

115TH CONGRESS }  
*2d Session*

HOUSE OF REPRESENTATIVES

{ REPORT  
115-???

JOHN S. McCAIN  
NATIONAL DEFENSE AUTHORIZATION ACT  
FOR FISCAL YEAR 2019

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CONFERENCE REPORT

TO ACCOMPANY

H.R. 5515



JULY --, 2018.—Ordered to be printed

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JOHN S. McCAIN NATIONAL DEFENSE AUTHORIZATION ACT  
FOR FISCAL YEAR 2019

\_\_\_\_\_, 2018.—Ordered to be printed

Mr. Thornberry, from the committee of conference,  
submitted the following

CONFERENCE REPORT

[To accompany H.R. 5515]

The committee of conference on the disagreeing votes of the two Houses on the amendment of the Senate to the bill (H.R. 5515), to authorize appropriations for fiscal year 2019 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes, having met, after full and free conference, have agreed to recommend and do recommend to their respective Houses as follows:

That the House recede from its disagreement to the amendment of the Senate and agree to the same with an amendment as follows:

In lieu of the matter proposed to be inserted by the Senate amendment, insert the following:

1 **SECTION 1. SHORT TITLE.**

2 (a) IN GENERAL.—This Act may be cited as the  
3 “John S. McCain National Defense Authorization Act for  
4 Fiscal Year 2019”.

5 (b) REFERENCES.—Any reference in this or any  
6 other Act to the “National Defense Authorization Act for  
7 Fiscal Year 2019” shall be deemed to be a reference to  
8 the “John S. McCain National Defense Authorization Act  
9 for Fiscal Year 2019”.

10 **SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF**  
11 **CONTENTS.**

12 (a) DIVISIONS.—This Act is organized into four divi-  
13 sions as follows:

14 (1) Division A—Department of Defense Au-  
15 thorizations.

16 (2) Division B—Military Construction Author-  
17 izations.

18 (3) Division C—Department of Energy Na-  
19 tional Security Authorizations and Other Authoriza-  
20 tions.

21 (4) Division D—Funding Tables.

22 (b) TABLE OF CONTENTS.—The table of contents for  
23 this Act is as follows:

Sec. 1. Short title.

- Sec. 2. Organization of Act into divisions; table of contents.
- Sec. 3. Congressional defense committees.
- Sec. 4. Budgetary effects of this Act.

## DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

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- Sec. 101. Authorization of appropriations.

## Subtitle B—Army Programs

- Sec. 111. National Guard and reserve component equipment report.
- Sec. 112. Deployment by the Army of an interim cruise missile defense capability.

## Subtitle C—Navy Programs

- Sec. 121. Procurement authority for Ford class aircraft carrier program.
- Sec. 122. Full ship shock trial for Ford class aircraft carrier.
- Sec. 123. Sense of Congress on accelerated production of aircraft carriers.
- Sec. 124. Multiyear procurement authority for standard missile-6.
- Sec. 125. Multiyear procurement authority for E-2D aircraft.
- Sec. 126. Multiyear procurement authority for F/A-18E/F aircraft and EA-18G aircraft.
- Sec. 127. Modifications to F/A-18 aircraft to mitigate physiological episodes.
- Sec. 128. Frigate class ship program.
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- Sec. 130. Prohibition on availability of funds for Navy port waterborne security barriers.
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- Sec. 201. Authorization of appropriations.

### Subtitle B—Program Requirements, Restrictions, and Limitations

- Sec. 211. Modification of authority to carry out certain prototype projects.
- Sec. 212. Extension of directed energy prototype authority.
- Sec. 213. Prohibition on availability of funds for the Weather Common Component program.
- Sec. 214. Limitation on availability of funds for F-35 continuous capability development and delivery.
- Sec. 215. Limitation on availability of funds pending report on agile software development and software operations.
- Sec. 216. Limitation on availability of funds for certain high energy laser advanced technology.
- Sec. 217. Plan for the Strategic Capabilities Office of the Department of Defense.
- Sec. 218. National Defense Science and Technology Strategy.
- Sec. 219. Modification of CVN-73 to support fielding of MQ-25 unmanned aerial vehicle.
- Sec. 220. Establishment of innovators information repository in the Department of Defense.
- Sec. 221. Strategic plan for Department of Defense test and evaluation resources.
- Sec. 222. Collaboration between Defense laboratories, industry, and academia; open campus program.
- Sec. 223. Permanent extension and codification of authority to conduct technology protection features activities during research and development of defense systems.
- Sec. 224. Codification and reauthorization of Defense Research and Development Rapid Innovation Program.
- Sec. 225. Procedures for rapid reaction to emerging technology.
- Sec. 226. Activities on identification and development of enhanced personal protective equipment against blast injury.
- Sec. 227. Human factors modeling and simulation activities.
- Sec. 228. Expansion of mission areas supported by mechanisms for expedited access to technical talent and expertise at academic institutions.
- Sec. 229. Advanced manufacturing activities.
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- Sec. 237. Authority for Joint Directed Energy Transition Office to conduct research relating to high powered microwave capabilities.
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- Sec. 244. Report on Defense Innovation Unit Experimental.
- Sec. 245. Modification of funding criteria under Historically Black Colleges and Universities and minority institutions program.
- Sec. 246. Report on OA-X light attack aircraft applicability to partner nation support.
- Sec. 247. Reports on comparative capabilities of adversaries in key technology areas.
- Sec. 248. Report on active protection systems for armored combat and tactical vehicles.
- Sec. 249. Next Generation Combat Vehicle.
- Sec. 250. Modification of reports on mechanisms to provide funds to defense laboratories for research and development of technologies for military missions.
- Sec. 251. Briefings on Mobile Protected Firepower and Future Vertical Lift programs.
- Sec. 252. Improvement of the Air Force supply chain.
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- Sec. 336. Report on depot-level maintenance and repair.
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- Sec. 3510. Electronic records on mariner availability to meet national security needs.
- Sec. 3511. Small shipyard grants.
- Sec. 3512. Sea year on contracted vessels.
- Sec. 3513. GAO report on national maritime strategy.
- Sec. 3514. Multi-year contracts.
- Sec. 3515. Miscellaneous.
- Sec. 3516. Department of Transportation Inspector General report on Title XI program.

#### Subtitle B—Coast Guard

- Sec. 3521. Alignment with Department of Defense and sea services authorities.
- Sec. 3522. Preliminary development and demonstration.
- Sec. 3523. Contract termination.
- Sec. 3524. Reimbursement for travel expenses.
- Sec. 3525. Capital investment plan.
- Sec. 3526. Major acquisition program risk assessment.
- Sec. 3527. Marine safety implementation status.

- Sec. 3528. Retirement of Vice Commandant.
- Sec. 3529. Large recreational vessel regulations.

Subtitle C—Coast Guard and Shipping Technical Corrections

CHAPTER 1—COAST GUARD

- Sec. 3531. Commandant defined.
- Sec. 3532. Training course on workings of Congress.
- Sec. 3533. Miscellaneous.
- Sec. 3534. Department of Defense consultation.
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- Sec. 3537. Continuation on active duty.
- Sec. 3538. System acquisition authorization.
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CHAPTER 2—MARITIME TRANSPORTATION

- Sec. 3541. Definitions.
- Sec. 3542. Authority to exempt vessels.
- Sec. 3543. Passenger vessels.
- Sec. 3544. Tank vessels.
- Sec. 3545. Grounds for denial or revocation.
- Sec. 3546. Miscellaneous corrections to title 46, U.S.C.
- Sec. 3547. Miscellaneous corrections to Oil Pollution Act of 1990.
- Sec. 3548. Miscellaneous corrections.

DIVISION D—FUNDING TABLES

- Sec. 4001. Authorization of amounts in funding tables.

TITLE XLI—PROCUREMENT

- Sec. 4101. Procurement.
- Sec. 4102. Procurement for overseas contingency operations.

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND  
EVALUATION

- Sec. 4201. Research, development, test, and evaluation.
- Sec. 4202. Research, development, test, and evaluation for overseas contingency operations.

TITLE XLIII—OPERATION AND MAINTENANCE

- Sec. 4301. Operation and maintenance.
- Sec. 4302. Operation and maintenance for overseas contingency operations.

TITLE XLIV—MILITARY PERSONNEL

- Sec. 4401. Military personnel.
- Sec. 4402. Military personnel for overseas contingency operations.

TITLE XLV—OTHER AUTHORIZATIONS

- Sec. 4501. Other authorizations.
- Sec. 4502. Other authorizations for overseas contingency operations.

TITLE XLVI—MILITARY CONSTRUCTION

Sec. 4601. Military construction.

Sec. 4602. Military construction for overseas contingency operations.

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Sec. 4701. Department of Energy national security programs.

**1 SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.**

2 In this Act, the term “congressional defense commit-  
3 tees” has the meaning given that term in section  
4 101(a)(16) of title 10, United States Code.

**5 SEC. 4. BUDGETARY EFFECTS OF THIS ACT.**

6 The budgetary effects of this Act, for the purposes  
7 of complying with the Statutory Pay-As-You-Go Act of  
8 2010, shall be determined by reference to the latest state-  
9 ment titled “Budgetary Effects of PAYGO Legislation”  
10 for this Act, jointly submitted for printing in the Congres-  
11 sional Record by the Chairmen of the House and Senate  
12 Budget Committees, provided that such statement has  
13 been submitted prior to the vote on passage in the House  
14 acting first on the conference report or amendment be-  
15 tween the Houses.

**16 DIVISION A—DEPARTMENT OF**  
**17 DEFENSE AUTHORIZATIONS**  
**18 TITLE I—PROCUREMENT**

Subtitle A—Authorization Of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Army Programs

Sec. 111. National Guard and reserve component equipment report.

Sec. 112. Deployment by the Army of an interim cruise missile defense capability.

Subtitle C—Navy Programs

- Sec. 121. Procurement authority for Ford class aircraft carrier program.
- Sec. 122. Full ship shock trial for Ford class aircraft carrier.
- Sec. 123. Sense of Congress on accelerated production of aircraft carriers.
- Sec. 124. Multiyear procurement authority for standard missile-6.
- Sec. 125. Multiyear procurement authority for E-2D aircraft.
- Sec. 126. Multiyear procurement authority for F/A-18E/F aircraft and EA-18G aircraft.
- Sec. 127. Modifications to F/A-18 aircraft to mitigate physiological episodes.
- Sec. 128. Frigate class ship program.
- Sec. 129. Contract requirement for Virginia class submarine program.
- Sec. 130. Prohibition on availability of funds for Navy port waterborne security barriers.
- Sec. 131. Extension of limitation on use of sole-source shipbuilding contracts for certain vessels.
- Sec. 132. Limitation on availability of funds for M27 Infantry Automatic Rifle program.
- Sec. 133. Report on degaussing standards for DDG-51 destroyers.

Subtitle D—Air Force Programs

- Sec. 141. Inventory requirement for air refueling tanker aircraft; limitation on retirement of KC-10A aircraft.
- Sec. 142. Multiyear procurement authority for C-130J aircraft program.
- Sec. 143. Contract for logistics support for VC-25B aircraft.
- Sec. 144. Retirement date for VC-25A aircraft.
- Sec. 145. Repeal of funding restriction for EC-130H Compass Call Recapitalization Program.
- Sec. 146. Limitation on use of funds for KC-46A aircraft pending submittal of certification.
- Sec. 147. Limitation on availability of funds for retirement of E-8 JSTARS Aircraft.
- Sec. 148. Report on modernization of B-52H aircraft systems.

Subtitle E—Defense-wide, Joint, and Multiservice Matters

- Sec. 151. Procurement authority for additional icebreaker vessels.
- Sec. 152. Buy-to-budget acquisition of F-35 aircraft.
- Sec. 153. Certification on inclusion of technology to minimize physiological episodes in certain aircraft.
- Sec. 154. Armored commercial passenger-carrying vehicles.
- Sec. 155. Quarterly updates on the F-35 Joint Strike Fighter program.

1           **Subtitle A—Authorization Of**  
2                           **Appropriations**

3   **SEC. 101. AUTHORIZATION OF APPROPRIATIONS.**

4           Funds are hereby authorized to be appropriated for  
5   fiscal year 2019 for procurement for the Army, the Navy

1 and the Marine Corps, the Air Force, and Defense-wide  
2 activities, as specified in the funding table in section 4101.

### 3 **Subtitle B—Army Programs**

#### 4 **SEC. 111. NATIONAL GUARD AND RESERVE COMPONENT** 5 **EQUIPMENT REPORT.**

6 (a) IN GENERAL.—Section 10541(b) of title 10,  
7 United States Code, is amended by adding at the end the  
8 following new paragraph:

9 “(10) A joint assessment by the Chief of Staff  
10 of the Army and the Chief of the National Guard  
11 Bureau on the efforts of the Army to achieve parity  
12 among the active component, the Army Reserve, and  
13 the Army National Guard with respect to equipment  
14 and capabilities. Each assessment shall include a  
15 comparison of the inventory of high priority items of  
16 equipment available to each component of the Army  
17 described in preceding sentence, including—

18 “(A) AH–64 Attack Helicopters;

19 “(B) UH–60 Black Hawk Utility Heli-  
20 copters;

21 “(C) Abrams Main Battle Tanks;

22 “(D) Bradley Infantry Fighting Vehicles;

23 “(E) Stryker Combat Vehicles; and

24 “(F) any other items of equipment identi-  
25 fied as high priority by the Chief of Staff of the

1 Army or the Chief of the National Guard Bu-  
2 reau.”.

3 (b) EFFECTIVE DATE.—The amendment made by  
4 subsection (a) shall apply with respect to reports required  
5 to be submitted under section 10541 of title 10, United  
6 States Code, after the date of the enactment of this Act.

7 **SEC. 112. DEPLOYMENT BY THE ARMY OF AN INTERIM**  
8 **CRUISE MISSILE DEFENSE CAPABILITY.**

9 (a) CERTIFICATION REQUIRED.—Not later than 30  
10 days after the date of the enactment of this Act, the Sec-  
11 retary of Defense shall certify to the congressional defense  
12 committees whether there is a need for the Army to deploy  
13 an interim missile defense capability.

14 (b) DEPLOYMENT.—

15 (1) IN GENERAL.—If the Secretary of Defense  
16 certifies that there is a need for the Army to deploy  
17 an interim missile defense capability under sub-  
18 section (a), the Secretary of the Army shall deploy  
19 the capability as follows:

20 (A) Two batteries of the capability shall be  
21 deployed by not later than September 30, 2020.

22 (B) Two additional batteries of the capa-  
23 bility shall be deployed by not later than Sep-  
24 tember 30, 2023.

1           (2) ACHIEVEMENT OF DEPLOYMENT DEAD-  
2           LINES.—In order to meet the deadlines for deploy-  
3           ment specified in paragraph (1) the Secretary of the  
4           Army may—

5                   (A) deploy systems that require the least  
6                   amount of development;

7                   (B) procure non-developmental air and  
8                   missile defense systems currently in production  
9                   to ensure rapid delivery of capability;

10                  (C) use existing systems, components, and  
11                  capabilities already in the Joint Force inven-  
12                  tory, including rockets and missiles as available;

13                  (D) use operational information technology  
14                  for communication, detection, and fire control  
15                  that is certified to work with existing joint in-  
16                  formation technology systems to ensure inter-  
17                  operability;

18                  (E) engage and collaborate with officials,  
19                  organizations, and activities of the Department  
20                  of Defense with responsibilities relating to  
21                  science and technology, engineering, testing,  
22                  and acquisition, including the Defense Innova-  
23                  tion United Experimental, the Director of Oper-  
24                  ational Test and Evaluation, the Defense Dig-  
25                  ital Service, the Strategic Capabilities Office,

1 and the Rapid Capabilities offices, to accelerate  
2 the development, testing, and deployment of ex-  
3 isting systems;

4 (F) use institutional and operational bas-  
5 ing to facilitate rapid training and fielding;

6 (G) consider a range of direct energy  
7 weapon systems to compete for the 2023 de-  
8 ployment specified in paragraph (1)(B); and

9 (H) carry out such other activities as the  
10 Secretary determines to be appropriate.

11 (3) AUTHORITIES.—In carrying out paragraphs  
12 (1) and (2), Secretary of the Army may use any au-  
13 thority of the Secretary relating to acquisition, tech-  
14 nology transfer, and personnel management that the  
15 Secretary considers appropriate, including rapid ac-  
16 quisition and rapid prototyping authorities, to re-  
17 source and procure an interim missile defense capa-  
18 bility.

19 (4) WAIVER.—The Secretary of the Army may  
20 waive the deadlines for deployment specified in para-  
21 graph (1) if the Secretary determines that sufficient  
22 funds have not been appropriated to enable the Sec-  
23 retary to meet such deadlines.

24 (c) IN GENERAL.—If the Secretary of the Army will  
25 deploy an interim missile defense capability pursuant to

1 subsection (b), then, by not later than March 1, 2019, the  
2 Secretary, in consultation with the Chief of Staff of the  
3 Army, shall provide to the Committees on Armed Services  
4 of the Senate and the House of Representatives a briefing  
5 that includes—

6 (1) recommendations identifying any interim  
7 missile defense capabilities to be deployed and a pro-  
8 posed rapid acquisition schedule for such capabili-  
9 ties;

10 (2) a plan to rapidly resource any identified  
11 shortfalls for any such capability selected for deploy-  
12 ment; and

13 (3) a schedule and timeline for the fielding and  
14 deployment of any such capability.

15 (d) INTERIM MISSILE DEFENSE CAPABILITY DE-  
16 FINED.—In this section, the term “interim missile defense  
17 capability” means a fixed-site, cruise missile defense capa-  
18 bility that may be deployed before the Indirect Fire Pro-  
19 tection Capability of the Army becomes fully operational.

## 20 **Subtitle C—Navy Programs**

### 21 **SEC. 121. PROCUREMENT AUTHORITY FOR FORD CLASS**

#### 22 **AIRCRAFT CARRIER PROGRAM.**

23 (a) CONTRACT AUTHORITY.—

24 (1) PROCUREMENT AUTHORIZED.—The Sec-  
25 retary of the Navy may enter into one or more con-

1 tracts, beginning with the fiscal year 2019 program  
2 year, for the procurement of one Ford class aircraft  
3 carrier to be designated CVN-81.

4 (2) PROCUREMENT IN CONJUNCTION WITH  
5 CVN-80.—The aircraft carrier authorized to be pro-  
6 cured under paragraph (1) may be procured as an  
7 addition to the contract covering the Ford class air-  
8 craft carrier designated CVN-80 that is authorized  
9 to be constructed under section 121 of the John  
10 Warner National Defense Authorization Act for Fis-  
11 cal Year 2007 (Public Law 109-364; 120 Stat.  
12 2104).

13 (b) CERTIFICATION REQUIRED.—A contract may not  
14 be entered into under subsection (a) unless the Secretary  
15 of Defense certifies to the congressional defense commit-  
16 tees, in writing, not later than 30 days before entry into  
17 the contract, each of the following, which shall be prepared  
18 by the milestone decision authority for the Ford class air-  
19 craft carrier program:

20 (1) The use of such a contract will result in sig-  
21 nificant savings compared to the total anticipated  
22 costs of carrying out the program through annual  
23 contracts. In certifying cost savings under the pre-  
24 ceding sentence, the Secretary shall include a writ-  
25 ten explanation of—

1 (A) the estimated obligations and expendi-  
2 tures by fiscal year for CVN-80 and CVN-81,  
3 by hull, without the authority provided in sub-  
4 section (a);

5 (B) the estimated obligations and expendi-  
6 tures by fiscal year for CVN-80 and CVN-81,  
7 by hull, with the authority provided in sub-  
8 section (a);

9 (C) the estimated cost savings or increase  
10 by fiscal year for CVN-80 and CVN-81, by  
11 hull, with the authority provided in subsection  
12 (a);

13 (D) the discrete actions that will accom-  
14 plish such cost savings or avoidance; and

15 (E) the contractual actions that will ensure  
16 the estimated cost savings are realized.

17 (2) There is a reasonable expectation that  
18 throughout the contemplated contract period the  
19 Secretary of Defense will request funding for the  
20 contract at the level required to avoid contract can-  
21 cellation.

22 (3) There is a stable design for the property to  
23 be acquired and that the technical risks associated  
24 with such property are not excessive.

1           (4) The estimates of both the cost of the con-  
2           tract and the anticipated cost avoidance through the  
3           use of a contract authorized under subsection (a)  
4           are realistic.

5           (5) The use of such a contract will promote the  
6           national security of the United States.

7           (6) During the fiscal year in which such con-  
8           tract is to be awarded, sufficient funds will be avail-  
9           able to perform the contract in such fiscal year, and  
10          the future-years defense program (as defined under  
11          section 221 of title 10, United States Code) for such  
12          fiscal year will include the funding required to exe-  
13          cute the program without cancellation.

14          (7) The contract will be a fixed price type con-  
15          tract.

16          (c) USE OF INCREMENTAL FUNDING.—With respect  
17          to a contract entered into under subsection (a), the Sec-  
18          retary of the Navy may use incremental funding to make  
19          payments under the contract. No such payments may be  
20          obligated after the date that is 11 months after the date  
21          on which the fitting out of the aircraft carrier associated  
22          with the contract is completed.

23          (d) LIABILITY.—A contract entered into under sub-  
24          section (a) shall provide that the total liability to the Gov-  
25          ernment for termination of the contract entered into shall

1 be limited to the total amount of funding obligated at the  
2 time of termination.

3 (e) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
4 **MENTS.**—A contract entered into under subsection (a)  
5 shall provide that any obligation of the United States to  
6 make a payment under the contract for a fiscal year is  
7 subject to the availability of appropriations for that pur-  
8 pose for such fiscal year.

9 (f) **MILESTONE DECISION AUTHORITY DEFINED.**—  
10 In this section, the term “milestone decision authority”  
11 has the meaning given that term in section 2366a(d) of  
12 title 10, United States Code.

13 **SEC. 122. FULL SHIP SHOCK TRIAL FOR FORD CLASS AIR-**  
14 **CRAFT CARRIER.**

15 The Secretary of the Navy shall ensure that full ship  
16 shock trials results are incorporated into the construction  
17 of the Ford class aircraft carrier designated CVN–81.

18 **SEC. 123. SENSE OF CONGRESS ON ACCELERATED PRODUC-**  
19 **TION OF AIRCRAFT CARRIERS.**

20 It is the sense of Congress that the United States  
21 should accelerate the production of aircraft carriers to  
22 rapidly achieve the Navy’s goal of having 12 operational  
23 aircraft carriers.

1 **SEC. 124. MULTIYEAR PROCUREMENT AUTHORITY FOR**  
2 **STANDARD MISSILE-6.**

3 (a) **AUTHORITY FOR MULTIYEAR PROCUREMENT.**—  
4 Subject to section 2306b of title 10, United States Code,  
5 the Secretary of the Navy may enter into one or more  
6 multiyear contracts, beginning with the fiscal year 2019  
7 program year, for the procurement of up to 625 standard  
8 missile-6 missiles at a rate of not more than 125 missiles  
9 per year during the covered period.

10 (b) **AUTHORITY FOR ADVANCE PROCUREMENT AND**  
11 **ECONOMIC ORDER QUANTITY.**—The Secretary may enter  
12 into one or more contracts for advance procurement asso-  
13 ciated with the missiles (including economic order quan-  
14 tity) for which authorization to enter into a multiyear pro-  
15 curement contract is provided under subsection (a).

16 (c) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
17 **MENTS.**—A contract entered into under subsection (a)  
18 shall provide that any obligation of the United States to  
19 make a payment under the contract for a fiscal year after  
20 fiscal year 2019 is subject to the availability of appropria-  
21 tions or funds for that purpose for such later fiscal year.

22 (d) **COVERED PERIOD DEFINED.**—In this section,  
23 the term “covered period” means the 5-year period begin-  
24 ning with the fiscal year 2019 program year and ending  
25 with the fiscal year 2023 program year.

1 **SEC. 125. MULTIYEAR PROCUREMENT AUTHORITY FOR E-**  
2 **2D AIRCRAFT.**

3 (a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—  
4 Subject to section 2306b of title 10, United States Code,  
5 the Secretary of the Navy may enter into one or more  
6 multiyear contracts, beginning with the fiscal year 2019  
7 program year, for the procurement of up to 24 E-2D air-  
8 craft.

9 (b) CONDITION FOR OUT-YEAR CONTRACT PAY-  
10 MENTS.—A contract entered into under subsection (a)  
11 shall provide that any obligation of the United States to  
12 make a payment under the contract for a fiscal year after  
13 fiscal year 2019 is subject to the availability of appropria-  
14 tions for that purpose for such later fiscal year.

15 **SEC. 126. MULTIYEAR PROCUREMENT AUTHORITY FOR F/A-**  
16 **18E/F AIRCRAFT AND EA-18G AIRCRAFT.**

17 (a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—  
18 Subject to section 2306b of title 10, United States Code,  
19 the Secretary of the Navy may enter into one or more  
20 multiyear contracts, beginning with the fiscal year 2019  
21 program year, for the procurement of the following:

22 (1) F/A-18E/F aircraft.

23 (2) EA-18G aircraft.

24 (b) CONDITION FOR OUT-YEAR CONTRACT PAY-  
25 MENTS.—A contract entered into under subsection (a)  
26 shall provide that any obligation of the United States to

1 make a payment under the contract for a fiscal year after  
2 fiscal year 2019 is subject to the availability of appropria-  
3 tions or funds for that purpose for such later fiscal year.

4 (c) **AUTHORITY FOR ADVANCE PROCUREMENT AND**  
5 **ECONOMIC ORDER QUANTITY.**—The Secretary of the  
6 Navy may enter into one or more contracts, beginning in  
7 fiscal year 2019, for advance procurement associated with  
8 the aircraft for which authorization to enter into a  
9 multiyear procurement contract is provided under sub-  
10 section (a), which may include one or more contracts for  
11 the procurement of economic order quantities of material  
12 and equipment for such aircraft.

13 **SEC. 127. MODIFICATIONS TO F/A-18 AIRCRAFT TO MITI-**  
14 **GATE PHYSIOLOGICAL EPISODES.**

15 (a) **MODIFICATIONS REQUIRED.**—The Secretary of  
16 the Navy shall modify the F/A-18 aircraft to reduce the  
17 occurrence of, and mitigate the risk posed by, physiological  
18 episodes affecting crewmembers of the aircraft. The modi-  
19 fications shall include, at minimum—

20 (1) replacement of the F/A-18 cockpit altim-  
21 eter;

22 (2) upgrade of the F/A-18 onboard oxygen gen-  
23 eration system;

1           (3) redesign of the F/A–18 aircraft life support  
2           systems required to meet onboard oxygen generation  
3           system input specifications; and

4           (4) installation of equipment associated with  
5           improved F/A–18 physiological monitoring and alert  
6           systems.

7           (b) **REPORT REQUIRED.**—Not later than February 1,  
8           2019, and annually thereafter through February 1, 2021,  
9           the Secretary of the Navy shall submit to the congress-  
10          sional defense committees a written update on the status  
11          of all modifications to the F/A–18 aircraft carried out by  
12          the Secretary pursuant to subsection (a).

13          (c) **WAIVER.**—The Secretary of the Navy may waive  
14          the requirement to make a modification under subsection  
15          (a) if the Secretary certifies to the congressional defense  
16          committees that the specific modification is inadvisable  
17          and provides a detailed justification for excluding the  
18          modification from the Navy’s planned upgrades for the F/  
19          A–18 aircraft.

20          **SEC. 128. FRIGATE CLASS SHIP PROGRAM.**

21          (a) **IN GENERAL.**—As part of the solicitation for pro-  
22          posals for the procurement of any frigate class ship in any  
23          of fiscal years 2019, 2020, or 2021, the Secretary of the  
24          Navy shall require that offerors submit proposals under  
25          which the offeror agrees to convey technical data to the

1 Federal Government in the event the offeror is awarded  
2 the frigate construction contract associated with the pro-  
3 posal.

4 (b) **TECHNICAL DATA DEFINED.**—In this section, the  
5 term “technical data” means a compilation of detailed en-  
6 gineering plans and specifications for the construction of  
7 a frigate class ship.

8 **SEC. 129. CONTRACT REQUIREMENT FOR VIRGINIA CLASS**  
9 **SUBMARINE PROGRAM.**

10 Section 124 of the National Defense Authorization  
11 Act for Fiscal Year 2018 (Public Law 115–91) is amend-  
12 ed—

13 (1) by redesignating subsection (d) through (f)  
14 as subsections (e) through (g), respectively; and

15 (2) by inserting after subsection (c), the fol-  
16 lowing:

17 “(d) **CONTRACT REQUIREMENT.**—

18 “(1) **IN GENERAL.**—The Secretary of the Navy  
19 shall ensure that a contract entered into under sub-  
20 section (a) includes an option to procure a Virginia  
21 class submarine in each of fiscal years 2022 and  
22 2023.

23 “(2) **OPTION DEFINED.**—In this subsection, the  
24 term ‘option’ has the meaning given that term in  
25 part 2.101 of the Federal Acquisition Regulation.”.

1 **SEC. 130. PROHIBITION ON AVAILABILITY OF FUNDS FOR**  
2 **NAVY PORT WATERBORNE SECURITY BAR-**  
3 **RIERS.**

4 (a) PROHIBITION.—Except as provided in subsections  
5 (b) and (c), none of the funds authorized to be appro-  
6 priated by this Act or otherwise made available for the  
7 Department of Defense for fiscal year 2019 may be obli-  
8 gated or expended to procure legacy waterborne security  
9 barriers for Navy ports.

10 (b) WAIVER.—The Secretary of the Navy may waive  
11 the prohibition in subsection (a) not less than 30 days  
12 after submitting to the congressional defense commit-  
13 tees—

14 (1) a Navy requirements document that speci-  
15 fies key performance parameters and key system at-  
16 tributes for new waterborne security barriers for  
17 Navy ports;

18 (2) a certification that the level of capability  
19 specified under paragraph (1) will meet or exceed  
20 that of legacy waterborne security barriers for Navy  
21 ports;

22 (3) the acquisition strategy for the recapitaliza-  
23 tion of legacy waterborne security barriers for Navy  
24 ports, which shall meet or exceed the requirements  
25 specified under paragraph (1); and

1           (4) a certification that any contract for new wa-  
2           terborne security barriers for a Navy port will be  
3           awarded in accordance with the requirements for full  
4           and open competition set forth in section 2304 of  
5           title 10, United States Code.

6           (c) EXCEPTION.—The prohibition in subsection (a)  
7           shall not apply to any of the following activities:

8           (1) The sustainment, refurbishment, and re-  
9           placement of portions of existing waterborne security  
10          barriers at Navy ports due to normal wear and tear.

11          (2) The procurement of new waterborne secu-  
12          rity barriers for Navy ports due to exigent cir-  
13          cumstances.

14   **SEC. 131. EXTENSION OF LIMITATION ON USE OF SOLE-**  
15                   **SOURCE SHIPBUILDING CONTRACTS FOR**  
16                   **CERTAIN VESSELS.**

17          Section 124 of the National Defense Authorization  
18          Act for Fiscal Year 2017 (Public Law 114–328), as  
19          amended by section 127 of the National Defense Author-  
20          ization Act for Fiscal Year 2018 (Public Law 115–91),  
21          is further amended by striking “or fiscal year 2018” and  
22          inserting “, fiscal year 2018, or fiscal year 2019”.

1 **SEC. 132. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
2 **M27 INFANTRY AUTOMATIC RIFLE PROGRAM.**

3 (a) LIMITATION.—Of the funds authorized to be ap-  
4 propriated by this Act or otherwise made available for fis-  
5 cal year 2019 for the M27 Infantry Automatic Rifle pro-  
6 gram of the Marine Corps, not more than 80 percent may  
7 be obligated or expended until the date on which the Com-  
8 mandant of the Marine Corps submits to the Committees  
9 on Armed Services of the Senate and the House of Rep-  
10 resentatives the assessment described in subsection (b).

11 (b) ASSESSMENT.—The assessment described in this  
12 subsection is a written summary of the views of the Ma-  
13 rine Corps with respect to the Small Arms Ammunition  
14 Configuration Study of the Army, including—

15 (1) an explanation of how the study informs the  
16 future small arms modernization requirements of the  
17 Marine Corps; and

18 (2) near-term and long-term modernization  
19 strategies for the small arms weapon systems of the  
20 Marine Corps, including associated funding and  
21 schedule profiles.

22 **SEC. 133. REPORT ON DEGAUSSING STANDARDS FOR DDG–**  
23 **51 DESTROYERS.**

24 (a) REPORT REQUIRED.—Not later than February 1,  
25 2019, the Secretary of the Navy shall submit to the con-

1 gressional defense committees a report on degaussing  
2 standards for the DDG–51 destroyer.

3 (b) ELEMENTS.—The report required under sub-  
4 section (a) shall include—

5 (1) a detailed description of the current  
6 degaussing standards for the DDG–51 destroyer;

7 (2) a plan for incorporating such standards into  
8 the destroyer construction program; and

9 (3) an assessment of the requirement to backfit  
10 such standards to in-service destroyers.

## 11 **Subtitle D—Air Force Programs**

### 12 **SEC. 141. INVENTORY REQUIREMENT FOR AIR REFUELING**

#### 13 **TANKER AIRCRAFT; LIMITATION ON RETIRE-** 14 **MENT OF KC–10A AIRCRAFT.**

15 (a) INVENTORY REQUIREMENT.—Section 8062 of  
16 title 10, United States Code, is amended by adding at the  
17 end the following new subsection:

18 “(j)(1) Except as provided in paragraph (2), effective  
19 October 1, 2019, the Secretary of the Air Force shall  
20 maintain a total aircraft inventory of air refueling tanker  
21 aircraft of not less than 479 aircraft.

22 “(2) The Secretary of the Air Force may reduce the  
23 number of air refueling tanker aircraft in the total aircraft  
24 inventory of the Air Force below 479 only if—

1           “(A) the Secretary certifies to the congressional  
2 defense committees that such reduction is justified  
3 by the results of the mobility capability and require-  
4 ments study conducted under section 144(b) of the  
5 National Defense Authorization Act for Fiscal Year  
6 2018 (Public Law 115–91); and

7           “(B) a period of 30 days has elapsed following  
8 the date on which the certification is made to the  
9 congressional defense committees under subpara-  
10 graph (A).

11       “(3) In this subsection:

12           “(A) The term ‘air refueling tanker aircraft’  
13 means an aircraft that has as its primary mission  
14 the refueling of other aircraft.

15           “(B) The term ‘total aircraft inventory’ means  
16 aircraft authorized to a flying unit for operations or  
17 training.”.

18       (b) LIMITATION ON RETIREMENT OF KC–10A.—

19           (1) IN GENERAL.—None of the funds author-  
20 ized to be appropriated by this Act or otherwise  
21 made available for any fiscal year for the Air Force  
22 may be obligated or expended to retire, or to prepare  
23 to retire, any KC–10A aircraft until the date that is  
24 30 days after the date on which the Secretary of the  
25 Air Force certifies to the congressional defense com-

1       mittees that Secretary has met the minimum inven-  
2       tory requirement under section 8062(j) of title 10,  
3       United States Code, as added by subsection (a) of  
4       this section.

5               (2) EXCEPTION FOR CERTAIN AIRCRAFT.—The  
6       requirement of paragraph (1) does not apply to indi-  
7       vidual KC-10A aircraft that the Secretary of the Air  
8       Force determines, on a case-by-case basis, to be non-  
9       operational because of mishaps, other damage, or  
10      being uneconomical to repair.

11 **SEC. 142. MULTIYEAR PROCUREMENT AUTHORITY FOR C-**  
12 **130J AIRCRAFT PROGRAM.**

13       (a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—  
14      Subject to section 2306b of title 10, United States Code,  
15      the Secretary of the Air Force may enter into one or more  
16      multiyear contracts, beginning with the fiscal year 2019  
17      program year, for the procurement of—

18               (1) C-130J aircraft for the Air Force; and

19               (2) C-130J aircraft for the Navy and the Ma-  
20      rine Corps pursuant to the agreement described in  
21      subsection (b).

22       (b) AGREEMENT DESCRIBED.—The agreement de-  
23      scribed in this subsection is the agreement between the  
24      Secretary of the Navy and the Secretary of the Air Force  
25      under which the Secretary of the Air Force acts as the

1 executive agent for the Department of the Navy for pur-  
2 poses of procuring C-130J aircraft for such Department.

3 (c) **AUTHORITY FOR ADVANCE PROCUREMENT AND**  
4 **ECONOMIC ORDER QUANTITY.**—The Secretary of the Air  
5 Force may enter into one or more contracts for advance  
6 procurement associated with the C-130J aircraft, includ-  
7 ing economic order quantity, for which authorization to  
8 enter into a multiyear procurement contract is provided  
9 under subsection (a).

10 (d) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
11 **MENTS.**—A contract entered into under subsection (a)  
12 shall provide that any obligation of the United States to  
13 make a payment under the contract for a fiscal year after  
14 fiscal year 2019 is subject to the availability of appropria-  
15 tions for that purpose for such later fiscal year.

16 (e) **TREATMENT OF FISCAL YEAR 2018 AIRCRAFT.**—  
17 The multiyear contract authority under subsection (a) in-  
18 cludes C-130J aircraft for which funds were appropriated  
19 for fiscal year 2018.

20 **SEC. 143. CONTRACT FOR LOGISTICS SUPPORT FOR VC-25B**  
21 **AIRCRAFT.**

22 The Secretary of the Air Force shall—

23 (1) ensure that the total period of any contract  
24 awarded for logistics support for the VC-25B air-  
25 craft does not exceed five years, as required under

1 part 17.204(e) of the Federal Acquisition Regula-  
2 tion, unless otherwise approved in accordance with  
3 established procedures; and

4 (2) comply with section 2304 of title 10, United  
5 States Code, regarding full and open competition  
6 through the use of competitive procedures for the  
7 award of any logistics support contract following the  
8 initial five-year contract period.

9 **SEC. 144. RETIREMENT DATE FOR VC-25A AIRCRAFT.**

10 (a) IN GENERAL.—For purposes of the application  
11 of section 2244a of title 10, United States Code, the re-  
12 tirement date of the covered aircraft is deemed to be not  
13 later than December 31, 2025.

14 (b) COVERED AIRCRAFT DEFINED.—In this section,  
15 the term “covered aircraft” means the two VC-25A air-  
16 craft of the Air Force that are in service as of the date  
17 of the enactment of this Act.

18 **SEC. 145. REPEAL OF FUNDING RESTRICTION FOR EC-130H**

19 **COMPASS CALL RECAPITALIZATION PRO-**  
20 **GRAM.**

21 Section 131 of the National Defense Authorization  
22 Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat.  
23 2037) is repealed.

1 **SEC. 146. LIMITATION ON USE OF FUNDS FOR KC-46A AIR-**  
2 **CRAFT PENDING SUBMITTAL OF CERTIFI-**  
3 **CATION.**

4 (a) **CERTIFICATION REQUIRED.**—The Secretary of  
5 the Air Force shall submit to the congressional defense  
6 committees certification that, as of the date of the certifi-  
7 cation—

8 (1) the supplemental type certification and the  
9 military type certification for the KC-46A aircraft  
10 have been approved; and

11 (2) the Air Force has accepted the delivery of  
12 the first KC-46A aircraft.

13 (b) **LIMITATION ON USE OF FUNDS.**—

14 (1) **LIMITATION.**—Notwithstanding any other  
15 provision of this Act, none of the funds authorized  
16 to be appropriated or otherwise made available by  
17 this Act for fiscal year 2019 for Aircraft Procure-  
18 ment, Air Force, may be obligated or expended to  
19 procure the covered aircraft until the Secretary of  
20 the Air Force submits the certification required  
21 under subsection (a).

22 (2) **COVERED AIRCRAFT DEFINED.**—In this  
23 subsection, the term “covered aircraft” means three  
24 of the KC-46A aircraft authorized to be procured by  
25 this Act.

1 **SEC. 147. LIMITATION ON AVAILABILITY OF FUNDS FOR RE-**  
2 **TIREMENT OF E-8 JSTARS AIRCRAFT.**

3 (a) LIMITATION ON AVAILABILITY OF FUNDS FOR  
4 RETIREMENT.—Except as provided in subsection (b),  
5 none of the funds authorized to be appropriated by this  
6 Act or otherwise made available for fiscal year 2019 or  
7 any subsequent fiscal year for the Air Force may be obli-  
8 gated or expended to retire, or prepare to retire, any E-  
9 8 Joint Surveillance Target Attack Radar System aircraft  
10 until the date on which the Secretary of the Defense cer-  
11 tifies to the congressional defense committees that Incre-  
12 ment 2 of the Advanced Battle-Management System of the  
13 Air Force has declared initial operational capability as de-  
14 fined in the Capability Development Document for the  
15 System.

16 (b) EXCEPTION.—The limitation in subsection (a)  
17 shall not apply to individual E-8C Joint Surveillance Tar-  
18 get Attack Radar System aircraft that the Secretary of  
19 the Air Force determines, on a case-by-case basis, to be  
20 no longer mission capable because of mishaps, other dam-  
21 age, or being uneconomical to repair.

22 (c) CERTIFICATION REQUIRED.—Not later than  
23 March 1, 2019, the Secretary of Defense, on a nondele-  
24 gable basis, shall certify to the congressional defense com-  
25 mittees that—

1           (1) the Secretary of the Air Force is taking all  
2 reasonable steps to ensure the legacy E-8C Joint  
3 Surveillance Target Radar System aircraft that the  
4 Air Force continues to operate meet all safety re-  
5 quirements;

6           (2) the Secretary of the Air Force has devel-  
7 oped and implemented a funding strategy to increase  
8 the operational and maintenance availability of the  
9 legacy E-8C Joint Surveillance Target Radar Sys-  
10 tem aircraft that the Air Force continues to operate;

11          (3) the Advanced Battle-Management System  
12 Increment 1, 2, and 3 acquisition and fielding strat-  
13 egy is executable and that sufficient funds will be  
14 available to achieve all elements of the System as de-  
15 scribed in the Capability Development Document for  
16 the System; and

17          (4) in coordination with each separate geo-  
18 graphic combatant commander, that the Secretary of  
19 the Air Force is implementing defined and measur-  
20 able actions to meet the operational planning and  
21 steady-state force presentation requirements for  
22 Ground-Moving Target Indicator intelligence and  
23 Battle-Management, Command and Control towards  
24 a moderate level of risk until Increment 2 of the Ad-

1 vanced Battle-Management System declares initial  
2 operational capability.

3 (d) GAO REPORT AND BRIEFING.—

4 (1) REPORT REQUIRED.—Not later than March  
5 1, 2020, the Comptroller General of the United  
6 States shall submit to the congressional defense  
7 committees a report on Increment I, Increment 2,  
8 and Increment 3 of the 21st Century Advanced Bat-  
9 tle Management System of Systems capability of the  
10 Air Force. The report shall include a review of—

11 (A) the technologies that compose the ca-  
12 pability and the level of maturation of such  
13 technologies;

14 (B) the resources budgeted for the capa-  
15 bility;

16 (C) the fielding plan for the capability;

17 (D) any risk assessments associated with  
18 the capability; and

19 (E) the overall acquisition strategy for the  
20 capability.

21 (2) INTERIM BRIEFING.—Not later than March  
22 1, 2019, the Comptroller General of the United  
23 States shall provide to the Committees on Armed  
24 Services of the House of Representatives and the  
25 Senate a briefing on the topics to be covered by the

1 report under paragraph (1), including any prelimi-  
2 nary data and any issues or concerns of the Comp-  
3 troller General relating to the report.

4 (e) AIR FORCE REPORT.—Not later than February  
5 5, 2019, the Secretary of the Air Force shall submit to  
6 the congressional defense committees a report on the leg-  
7 acy fleet of E–8C Joint Surveillance Target Attack Radar  
8 System aircraft that includes—

9 (1) the modernization and sustainment strat-  
10 egy, and associated costs, for the airframe and mis-  
11 sion systems that will be used to maintain the legacy  
12 fleet of such aircraft until the planned retirement of  
13 the aircraft; and

14 (2) a plan that will provide combatant com-  
15 manders with an increased level of E–8C force sup-  
16 port.

17 (f) E–8C FORCE PRESENTATION REQUIREMENT.—

18 (1) IN GENERAL.—Beginning not later than  
19 October 1, 2020, and until the retirement of the E–  
20 8C aircraft fleet, the Secretary of the Air Force  
21 shall provide not fewer than 6 dedicated E–8C air-  
22 craft each fiscal year for allocation to the geo-  
23 graphical combatant commanders through the Intel-  
24 ligence, Surveillance, and Reconnaissance Global  
25 Force Management Allocation Process.

1           (2) EXCEPTION.—If the Secretary of the Air  
2 Force is unable to meet the requirements of para-  
3 graph (1), the Secretary of Defense, on a nondele-  
4 gable basis, may waive the requirements for a fiscal  
5 year and shall provide to the congressional defense  
6 committees a notice of waiver issuance and justifica-  
7 tion.

8           (g) AIR FORCE BRIEFING REQUIREMENT.—Begin-  
9 ning not later than October 1, 2018, and on a quarterly  
10 basis thereafter, the Secretary of the Air Force shall pro-  
11 vide to the congressional defense committees a program  
12 update briefing on the Advanced Battle-Management Sys-  
13 tem of the Air Force, and all associated technologies.

14 **SEC. 148. REPORT ON MODERNIZATION OF B-52H AIRCRAFT**  
15 **SYSTEMS.**

16           (a) REPORT REQUIRED.—Not later than 180 days  
17 after the date of the enactment of this Act, the Secretary  
18 of the Air Force shall submit to the congressional defense  
19 committees a report on the long term modernization of  
20 the B-52H aircraft.

21           (b) ELEMENTS.—The report required under sub-  
22 section (a) shall include—

23           (1) an estimated timeline for the modernization  
24 of the B-52H aircraft; and

1 (2) modernization requirements with respect to  
2 the integrated systems of the aircraft, including—

3 (A) electronic warfare and defensive sys-  
4 tems;

5 (B) communications, including secure jam  
6 resistant capability;

7 (C) radar replacement;

8 (D) engine replacement;

9 (E) future weapons and targeting capa-  
10 bility; and

11 (F) mission planning systems.

12 **Subtitle E—Defense-wide, Joint,**  
13 **and Multiservice Matters**

14 **SEC. 151. PROCUREMENT AUTHORITY FOR ADDITIONAL**  
15 **ICEBREAKER VESSELS.**

16 (a) PROCUREMENT AUTHORITY.—

17 (1) IN GENERAL.—In addition to the icebreaker  
18 vessel authorized to be procured under section  
19 122(a) of the National Defense Authorization Act  
20 for Fiscal Year 2018 (Public Law 115–91), the Sec-  
21 retary of the department in which the Coast Guard  
22 is operating may enter into one or more contracts  
23 for the procurement of up to five additional polar-  
24 class icebreaker vessels.

1           (2) CONDITION FOR OUT-YEAR CONTRACT PAY-  
2           MENTS.—A contract entered into under paragraph  
3           (1) shall provide that any obligation of the United  
4           States to make a payment under the contract for a  
5           fiscal year after fiscal year 2019 is subject to the  
6           availability of appropriations or funds for that pur-  
7           pose for such later fiscal year.

8           (b) SENSE OF CONGRESS.—It is the sense of Con-  
9           gress that the Coast Guard should maintain an inventory  
10          of not fewer than six polar-class icebreaker vessels begin-  
11          ning not later than fiscal year 2029 and, to achieve such  
12          inventory, should—

13           (1) award a contract for the first new polar-  
14          class icebreaker not later than fiscal year 2019;

15           (2) deliver the first new polar-class icebreaker  
16          not later than fiscal year 2023;

17           (3) start construction on the second through  
18          sixth new polar-class icebreakers at a rate of one  
19          vessel per year in fiscal years 2022 through 2026;  
20          and

21           (4) accept delivery of the second through sixth  
22          new polar-class icebreakers at a rate of one vessel  
23          per year in fiscal years 2025 through 2029.

1 **SEC. 152. BUY-TO-BUDGET ACQUISITION OF F-35 AIRCRAFT.**

2 Subject to section 2308 of title 10, United States  
3 Code, using funds authorized to be appropriated by this  
4 Act for the procurement of F-35 aircraft, the Secretary  
5 of Defense may procure a quantity of F-35 aircraft in  
6 excess of the quantity authorized by this Act if such addi-  
7 tional procurement does not require additional funds to  
8 be authorized to be appropriated because of production ef-  
9 ficiencies or other cost reductions.

10 **SEC. 153. CERTIFICATION ON INCLUSION OF TECHNOLOGY**  
11 **TO MINIMIZE PHYSIOLOGICAL EPISODES IN**  
12 **CERTAIN AIRCRAFT.**

13 (a) **CERTIFICATION REQUIRED.**—Not later than 15  
14 days before entering into a contract for the procurement  
15 of a covered aircraft, the Secretary concerned shall submit  
16 to the congressional defense committees a written state-  
17 ment certifying that the aircraft to be procured under the  
18 contract will include the most recent technological ad-  
19 vancements necessary to minimize the impact of physio-  
20 logical episodes on aircraft crewmembers.

21 (b) **WAIVER.**—The Secretary concerned may waive  
22 the requirement of subsection (a) if the Secretary—

23 (1) determines the waiver is required in the in-  
24 terest of national security; and

25 (2) not later than 15 days before entering into  
26 a contract for the procurement of a covered aircraft,

1 notifies the congressional defense committees of the  
2 rationale for the waiver.

3 (c) TERMINATION.—The requirement to submit a  
4 certification under subsection (a) shall terminate on Sep-  
5 tember 30, 2021.

6 (d) DEFINITIONS.—In this section:

7 (1) The term “covered aircraft” means a fight-  
8 er aircraft, an attack aircraft, or a fixed wing train-  
9 er aircraft.

10 (2) The term “Secretary concerned” means—

11 (A) the Secretary of the Navy, with respect  
12 to covered aircraft of Navy; and

13 (B) the Secretary of the Air Force, with  
14 respect to covered aircraft of the Air Force.

15 **SEC. 154. ARMORED COMMERCIAL PASSENGER-CARRYING**  
16 **VEHICLES.**

17 (a) IMPLEMENTATION OF GAO RECOMMENDA-  
18 TIONS.—In accordance with the recommendations of the  
19 Government Accountability Office in the report titled “Ar-  
20 mored Commercial Vehicles: DOD Has Procurement  
21 Guidance, but Army Could Take Actions to Enhance In-  
22 spections and Oversight” (GAO-17-513), not later than  
23 180 days after the date of the enactment of this Act, the  
24 Secretary of Army shall—

1           (1) ensure that in-progress inspections are con-  
2           ducted at the armoring vendor's facility for each  
3           procurement of an armored commercial passenger-  
4           carrying vehicles until the date on which the Sec-  
5           retary of Defense approves and implements an up-  
6           dated armoring and inspection standard for such ve-  
7           hicles; and

8           (2) designate a central point of contact for col-  
9           lecting and reporting information on armored com-  
10          mercial passenger-carrying vehicles (such as infor-  
11          mation on contracts execution and vehicle inspec-  
12          tions).

13          (b) BRIEFING REQUIRED.—Not later than 180 days  
14          after the date of the enactment of this Act, the Secretary  
15          of Defense shall provide to the congressional defense com-  
16          mittees a briefing on the progress of the Secretary in im-  
17          plementing Department of Defense Instruction O-  
18          2000.16 Volume 1, dated November 2016, with respect  
19          to armored commercial passenger-carrying vehicles, in-  
20          cluding—

21                 (1) whether criteria for the procurement of such  
22                 vehicles have been established and distributed to the  
23                 relevant components of the Department; and

24                 (2) whether a process is in place for ensuring  
25                 that the relevant components of the Department in-

1       corporate those criteria into contracts for such vehi-  
2       cles.

3       **SEC. 155. QUARTERLY UPDATES ON THE F-35 JOINT STRIKE**  
4                                   **FIGHTER PROGRAM.**

5       (a) IN GENERAL.—Beginning not later than October  
6 1, 2018, and on a quarterly basis thereafter through Octo-  
7 ber 1, 2022, the Under Secretary of Defense for Acquisi-  
8 tion and Sustainment shall provide to the congressional  
9 defense committees a briefing on the progress of the F-  
10 35 Joint Strike Fighter program.

11       (b) ELEMENTS.—Each briefing under subsection (a)  
12 shall include, with respect to the F-35 Joint Strike Fight-  
13 er program, the following elements:

14               (1) An overview of the program schedule.

15               (2) A description of each contract awarded  
16 under the program, including a description of the  
17 type of contract and the status of the contract.

18               (3) An assessment of the status of the program  
19 with respect to—

20                       (A) modernization;

21                       (B) modification;

22                       (C) testing;

23                       (D) delivery;

24                       (E) sustainment;

25                       (F) program management; and

1 (G) efforts to ensure that excessive  
2 sustainment costs do not threaten the ability of  
3 the Department of Defense to purchase the re-  
4 quired number of aircraft.

5 **TITLE II—RESEARCH, DEVELOP-**  
6 **MENT, TEST, AND EVALUA-**  
7 **TION**

Subtitle A—Authorization of Appropriations

Sec. 201. Authorization of appropriations.

Subtitle B—Program Requirements, Restrictions, and Limitations

- Sec. 211. Modification of authority to carry out certain prototype projects.  
Sec. 212. Extension of directed energy prototype authority.  
Sec. 213. Prohibition on availability of funds for the Weather Common Component program.  
Sec. 214. Limitation on availability of funds for F-35 continuous capability development and delivery.  
Sec. 215. Limitation on availability of funds pending report on agile software development and software operations.  
Sec. 216. Limitation on availability of funds for certain high energy laser advanced technology.  
Sec. 217. Plan for the Strategic Capabilities Office of the Department of Defense.  
Sec. 218. National Defense Science and Technology Strategy.  
Sec. 219. Modification of CVN-73 to support fielding of MQ-25 unmanned aerial vehicle.  
Sec. 220. Establishment of innovators information repository in the Department of Defense.  
Sec. 221. Strategic plan for Department of Defense test and evaluation resources.  
Sec. 222. Collaboration between Defense laboratories, industry, and academia; open campus program.  
Sec. 223. Permanent extension and codification of authority to conduct technology protection features activities during research and development of defense systems.  
Sec. 224. Codification and reauthorization of Defense Research and Development Rapid Innovation Program.  
Sec. 225. Procedures for rapid reaction to emerging technology.  
Sec. 226. Activities on identification and development of enhanced personal protective equipment against blast injury.  
Sec. 227. Human factors modeling and simulation activities.  
Sec. 228. Expansion of mission areas supported by mechanisms for expedited access to technical talent and expertise at academic institutions.  
Sec. 229. Advanced manufacturing activities.



1 for research, development, test, and evaluation, as speci-  
2 fied in the funding table in section 4201.

3 **Subtitle B—Program Requirements, Restrictions, and Limita-**  
4 **ments, Restrictions, and Limita-**  
5 **tions**

6 **SEC. 211. MODIFICATION OF AUTHORITY TO CARRY OUT**  
7 **CERTAIN PROTOTYPE PROJECTS.**

8 Section 2371b of title 10, United States Code, is  
9 amended—

10 (1) in subsection (a)(2)—

11 (A) in subparagraph (A), in the matter be-  
12 fore clause (i), by striking “(for a prototype  
13 project)” and inserting “for a prototype project,  
14 and any follow-on production contract or trans-  
15 action that is awarded pursuant to subsection  
16 (f),”;

17 (B) in subparagraph (B)—

18 (i) in the matter before clause (i), by  
19 striking “(for a prototype project)” and in-  
20 sserting “for a prototype project, and any  
21 follow-on production contract or trans-  
22 action that is awarded pursuant to sub-  
23 section (f),”;

24 (ii) in clause (i), in the matter before  
25 subclause (I), by striking “Under Sec-

1           retary of Defense for Acquisition, Tech-  
2           nology, and Logistics” and inserting  
3           “Under Secretary of Defense for Research  
4           and Engineering or the Under Secretary of  
5           Defense for Acquisition and Sustainment”;  
6           (C) in paragraph (3), by striking “Under  
7           Secretary of Defense for Acquisition, Tech-  
8           nology, and Logistics” and inserting “Under  
9           Secretaries of Defense”;  
10          (2) in subsection (b)(2), by inserting “the pro-  
11         totype” after “carry out”; and  
12          (3) in subsection (f)—  
13                 (A) by redesignating paragraph (3) as  
14                 paragraph (5); and  
15                 (B) by inserting after paragraph (2) the  
16                 following new paragraphs:  
17                 “(3) A follow-on production contract or transaction  
18                 may be awarded, pursuant to this subsection, when the  
19                 Department determines that an individual prototype or  
20                 prototype subproject as part of a consortium is success-  
21                 fully completed by the participants.  
22                 “(4) Award of a follow-on production contract or  
23                 transaction pursuant to the terms under this subsection  
24                 is not contingent upon the successful completion of all ac-  
25                 tivities within a consortium as a condition for an award

1 for follow-on production of a successfully completed proto-  
2 type or prototype subproject within that consortium.”.

3 **SEC. 212. EXTENSION OF DIRECTED ENERGY PROTOTYPE**  
4 **AUTHORITY.**

5 Section 219(c)(4) of the National Defense Authoriza-  
6 tion Act for Fiscal Year 2017 (Public Law 114–328; 10  
7 U.S.C. 2431 note) is amended—

8 (1) in subparagraph (A), by striking “Except as  
9 provided in subparagraph (B)” and inserting “Ex-  
10 cept as provided in subparagraph (C)”;

11 (2) by redesignating subparagraph (B) as sub-  
12 paragraph (C);

13 (3) by inserting after subparagraph (A) the fol-  
14 lowing:

15 “(B) Except as provided in subparagraph (C)  
16 and subject to the availability of appropriations for  
17 such purpose, of the funds authorized to be appro-  
18 priated by the National Defense Authorization Act  
19 for Fiscal Year 2019 or otherwise made available for  
20 fiscal year 2019 for research, development, test, and  
21 evaluation, defense-wide, up to \$100,000,000 may be  
22 available to the Under Secretary to allocate to the  
23 military departments, the defense agencies, and the  
24 combatant commands to carry out the program es-  
25 tablished under paragraph (1).”; and

1 (4) in subparagraph (C), as so redesignated, by  
2 striking “made available under subparagraph (A)”  
3 and inserting “made available under subparagraph  
4 (A) or subparagraph (B)”.

5 **SEC. 213. PROHIBITION ON AVAILABILITY OF FUNDS FOR**  
6 **THE WEATHER COMMON COMPONENT PRO-**  
7 **GRAM.**

8 (a) PROHIBITION.—None of the funds authorized to  
9 be appropriated by this Act or otherwise made available  
10 for fiscal year 2019 for research, development, test, and  
11 evaluation, Air Force, for weather service (PE 0305111F,  
12 Project 672738) for product development, test and evalua-  
13 tion, and management services associated with the Weath-  
14 er Common Component program may be obligated or ex-  
15 pended.

16 (b) REPORT REQUIRED.—

17 (1) IN GENERAL.—The Secretary of the Air  
18 force shall submit to the congressional defense com-  
19 mittees a report on technologies and capabilities  
20 that—

21 (A) provide real-time or near real-time me-  
22 teorological situational awareness data through  
23 the use of sensors installed on manned and un-  
24 manned aircraft; and

1 (B) were developed primarily using funds  
2 of the Department of Defense.

3 (2) ELEMENTS.—The report under paragraph  
4 (1) shall include—

5 (A) a description of all technologies and  
6 capabilities described in paragraph (1) that  
7 exist as of the date on which the report is sub-  
8 mitted;

9 (B) a description of any testing activities  
10 that have been completed for such technologies  
11 and capabilities, and the results of those testing  
12 activities;

13 (C) the total amount of funds used by the  
14 Department of Defense for the development of  
15 such technologies and capabilities;

16 (D) a list of capability gaps or shortfalls in  
17 any major commands of the Air Force relating  
18 to the gathering, processing, exploitation, and  
19 dissemination of real-time or near real-time me-  
20 teorological situational awareness data for un-  
21 manned systems;

22 (E) an explanation of how such gaps or  
23 shortfalls may be remedied to supplement the  
24 weather forecasting capabilities of the Air Force

1 and to enhance the efficiency or effectiveness of  
2 combat air power; and

3 (F) a plan for fielding existing technologies  
4 and capabilities to mitigate such gaps or short-  
5 falls.

6 **SEC. 214. LIMITATION ON AVAILABILITY OF FUNDS FOR F-**  
7 **35 CONTINUOUS CAPABILITY DEVELOPMENT**  
8 **AND DELIVERY.**

9 (a) **LIMITATION.**—Except as provided in subsection  
10 (b), of the funds authorized to be appropriated by this Act  
11 or otherwise made available for fiscal year 2019 for the  
12 F-35 continuous capability development and delivery pro-  
13 gram, not more than 75 percent may be obligated or ex-  
14 pended until a period of 15 days has elapsed following the  
15 date on which the Secretary of Defense submits to the  
16 congressional defense committees a detailed cost estimate  
17 and baseline schedule for the program, which shall include  
18 any information required for a major defense acquisition  
19 program under section 2435 of title 10, United States  
20 Code.

21 (b) **EXCEPTION.**—The limitation in subsection (a)  
22 does not apply to any funds authorized to be appropriated  
23 or otherwise made available for the development of the F-  
24 35 dual capable aircraft capability.

1 **SEC. 215. LIMITATION ON AVAILABILITY OF FUNDS PEND-**  
2 **ING REPORT ON AGILE SOFTWARE DEVELOP-**  
3 **MENT AND SOFTWARE OPERATIONS.**

4 (a) LIMITATION.—Of the of funds described in sub-  
5 section (d), not more than 80 percent may be obligated  
6 or expended until a period of 30 days has elapsed following  
7 the date on which the Secretary of the Air Force submits  
8 the report required under subsection (b).

9 (b) REPORT.—Not later than 60 days after the date  
10 of the enactment of this Act, the Secretary of the Air  
11 Force, in consultation with the Director of Defense Pric-  
12 ing/Defense Procurement and Acquisition Policy and the  
13 Director of the Defense Digital Service, shall submit to  
14 the congressional defense committees a report that in-  
15 cludes a description of each of the following:

16 (1) How cost estimates in support of mod-  
17 ernization and upgrade activities for Air and Space  
18 Operations Centers are being conducted and using  
19 what methods.

20 (2) The contracting strategy and types of con-  
21 tracts being used to execute Agile Software Develop-  
22 ment and Software Operations (referred to in this  
23 section as “Agile DevOps”) activities.

24 (3) How intellectual property ownership issues  
25 associated with software applications developed with  
26 Agile DevOps processes will be addressed to ensure

1 future sustainment, maintenance, and upgrades to  
2 software applications after the applications are field-  
3 ed.

4 (4) A description of the tools and software ap-  
5 plications that have been developed for the Air and  
6 Space Operations Centers and the costs and cost  
7 categories associated with each.

8 (5) Challenges the Air Force has faced in exe-  
9 cuting acquisition activities modernizing the Air and  
10 Space Operations Centers and how the Air Force  
11 plans to address the challenges identified.

12 (6) The Secretary's strategy for ensuring that  
13 software applications developed for Air Operations  
14 Centers are transportable and translatable among all  
15 the Centers to avoid any duplication of efforts.

16 (c) REVIEW.—Before submitting the report under  
17 subsection (b), the Secretary of the Air Force shall ensure  
18 that the report is reviewed and approved by the Director  
19 of Defense Pricing/Defense Procurement and Acquisition  
20 Policy.

21 (d) FUNDS DESCRIBED.—The funds described in this  
22 subsection are the following:

23 (1) Funds authorized to be appropriated by this  
24 Act or otherwise made available for fiscal year 2019  
25 for research, development, test, and evaluation, Air

1 Force, for Air and Space Operations Centers (PE  
2 0207410F, Project 674596).

3 (2) Funds authorized to be appropriated by this  
4 Act or otherwise made available for fiscal year 2019  
5 for other procurement, Air Force, for Air and Space  
6 Operations Centers.

7 **SEC. 216. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
8 **CERTAIN HIGH ENERGY LASER ADVANCED**  
9 **TECHNOLOGY.**

10 (a) LIMITATION.—Of the funds authorized to be ap-  
11 propriated by this Act or otherwise made available for fis-  
12 cal year 2019 for the Department of Defense for High  
13 Energy Laser Advanced Technology (PE 0603924D8Z),  
14 not more than 50 percent may be obligated or expended  
15 until the date on which the Secretary of Defense submits  
16 to the congressional defense committees a roadmap and  
17 detailed assessment of the high energy laser programs of  
18 the Department of Defense, which shall include plans for  
19 coordination across the Department and transition to pro-  
20 grams of record.

21 (b) RULE OF CONSTRUCTION.—The limitation in  
22 subsection (a) shall not be construed to apply to any other  
23 high energy laser program of the Department of Defense  
24 other than the program element specified in such sub-  
25 section.

1 **SEC. 217. PLAN FOR THE STRATEGIC CAPABILITIES OFFICE**  
2 **OF THE DEPARTMENT OF DEFENSE.**

3 (a) PLAN REQUIRED.—Not later than March 1,  
4 2019, the Secretary of Defense, acting through the Under  
5 Secretary of Defense for Research and Engineering, shall  
6 submit to the congressional defense committees a plan—

7 (1) to eliminate the Strategic Capabilities Office  
8 of the Department of Defense by not later than Oc-  
9 tober 1, 2020;

10 (2) to transfer the functions of the Strategic  
11 Capabilities Office to another organization or ele-  
12 ment of the Department by not later than October  
13 1, 2020; or

14 (3) to retain the Strategic Capabilities Office.

15 (b) ELEMENTS.—The plan required under subsection  
16 (a) shall include the following:

17 (1) A timeline for the potential elimination,  
18 transfer, or retention of some or all of the activities,  
19 functions, programs, plans, and resources of the  
20 Strategic Capabilities Office.

21 (2) A strategy for mitigating risk to the pro-  
22 grams of the Strategic Capabilities Office.

23 (3) A strategy for implementing the lessons  
24 learned and best practices of the Strategic Capabili-  
25 ties Office across the organizations and elements of

1 the Department of Defense to promote enterprise-  
2 wide innovation.

3 (4) An assessment of the transition outcomes,  
4 research portfolio, and mission accomplishment in  
5 the key functions of the Strategic Capabilities Office  
6 described in subsection (c).

7 (5) An assessment of the relationship of the  
8 Strategic Capabilities Office with—

9 (A) the acquisition and rapid capabilities  
10 programs of the military departments;

11 (B) Department laboratories;

12 (C) the Defense Advanced Research  
13 Projects Agency; and

14 (D) other research and development activi-  
15 ties.

16 (6) Assessment of management and bureau-  
17 cratic challenges to the effective and efficient execu-  
18 tion of the Strategic Capabilities Office missions, es-  
19 pecially with respect to contracting and personnel  
20 management.

21 (c) KEY FUNCTIONS DESCRIBED.—The key func-  
22 tions described in this subsection are the following:

23 (1) Repurposing existing Government and com-  
24 mercial systems for new technological advantage.



1 (B) to make recommendations on the fu-  
2 ture of the defense research and engineering en-  
3 terprise and its continued success in an era of  
4 strategic competition.

5 (2) ELEMENTS.—The strategy required by  
6 paragraph (1) shall—

7 (A) be aligned with the National Defense  
8 Strategy and Governmentwide strategic science  
9 and technology priorities, including the defense  
10 budget priorities of the Office of Science and  
11 Technology Policy of the President;

12 (B) link the priorities, goals, and outcomes  
13 in paragraph (1)(A) with needed critical  
14 enablers to specific programs, or broader port-  
15 folios, including—

16 (i) personnel and workforce capabili-  
17 ties;

18 (ii) facilities for research and test in-  
19 frastructure;

20 (iii) relationships with academia, the  
21 acquisition community, the operational  
22 community, and the commercial sector;  
23 and

24 (iv) funding, investments, personnel,  
25 facilities, and relationships with depart-

1           ments, agencies, or other Federal entities  
2           outside the Department of Defense without  
3           which defense capabilities would be se-  
4           verely degraded;

5           (C) evaluate the coordination of acquisition  
6           priorities, programs, and timelines of the De-  
7           partment with the activities of the defense re-  
8           search and engineering enterprise; and

9           (D) include recommendations for changes  
10          in authorities, regulations, policies, or any other  
11          relevant areas, that would support the achieve-  
12          ment of the goals set forth in the strategy.

13          (3) ANNUAL UPDATES.—Not less frequently  
14          than once each year, the Secretary shall revise and  
15          update the strategy required by paragraph (1).

16          (4) ANNUAL REPORTS.—(A) Not later than  
17          February 4, 2019, and not less frequently than once  
18          each year thereafter through December 31, 2021,  
19          the Secretary shall submit to the congressional de-  
20          fense committees the strategy required by paragraph  
21          (1), as may be revised and updated in accordance  
22          with paragraph (3).

23          (B) The reports submitted pursuant to sub-  
24          paragraph (A) shall be submitted in unclassified  
25          form, but may include a classified annex.

1           (5) BRIEFING.—Not later than 14 days after  
2           the date on which the strategy under paragraph (1)  
3           is completed, the Secretary shall provide to the Com-  
4           mittee on Armed Services of the Senate and the  
5           Committee on Armed Services of the House of Rep-  
6           resentatives a briefing on the implementation of the  
7           strategy.

8           (6) DESIGNATION.—The strategy developed  
9           under paragraph (1) shall be known as the “Na-  
10          tional Defense Science and Technology Strategy”.

11          (b) ASSESSMENT AND RECOMMENDATIONS.—

12           (1) IN GENERAL.—Not later than February 4,  
13           2019, the Secretary shall submit to the congres-  
14           sional defense committees a report with an assess-  
15           ment and recommendations on the future of major  
16           elements of the defense research and engineering en-  
17           terprise, evaluating warfighting contributions, port-  
18           folio management and coordination, workforce man-  
19           agement including special hiring authorities, facili-  
20           ties and test infrastructure, relationships with pri-  
21           vate sector and interagency partners, and govern-  
22           ance, including a comparison with the enterprises of  
23           other countries and the private sector.

24           (2) MAJOR ELEMENTS OF THE DEFENSE RE-  
25           SEARCH AND ENGINEERING ENTERPRISE.—The

1 major elements of the defense research and engi-  
2 neering enterprise referred to in paragraph (1) in-  
3 clude the following:

4 (A) The science and technology elements of  
5 the military departments.

6 (B) The Department of Defense labora-  
7 tories.

8 (C) The test ranges and facilities of the  
9 Department.

10 (D) The Defense Advanced Research  
11 Projects Agency (DARPA).

12 (E) The Defense Innovation Unit Experi-  
13 mental (DIU(x)).

14 (F) The Strategic Capabilities Office of the  
15 Department.

16 (G) The Small Business Innovation Re-  
17 search program of the Department.

18 (H) The Small Business Technology  
19 Transfer program of the Department.

20 (I) Such other elements, offices, programs,  
21 and activities of the Department as the Sec-  
22 retary considers appropriate for purposes of the  
23 this section.

24 (3) CONSULTATION AND COMMENTS.—In mak-  
25 ing recommendations under paragraph (1), the Sec-

1       retary shall consult with and seek comments from  
2       groups and entities relevant to the recommendations,  
3       such as the military departments, the combatant  
4       commands, the federally funded research and devel-  
5       opment centers (FFRDCs), commercial partners of  
6       the Department (including small business concerns),  
7       or any advisory committee established by the De-  
8       partment that the Secretary determines is appro-  
9       priate based on the duties of the advisory committee  
10      and the expertise of its members.

11           (4) FORM OF SUBMISSION.—The report sub-  
12      mitted pursuant to paragraph (1) shall be submitted  
13      in unclassified form, but may include a classified  
14      annex.

15   **SEC. 219. MODIFICATION OF CVN-73 TO SUPPORT FIELDING**  
16                   **OF MQ-25 UNMANNED AERIAL VEHICLE.**

17      The Secretary of the Navy shall—

18           (1) modify the compartments and infrastruc-  
19      ture of the aircraft carrier designated CVN-73 to  
20      support the fielding of the MQ-25 unmanned aerial  
21      vehicle before the date on which the refueling and  
22      complex overhaul of the aircraft carrier is completed;  
23      and

24           (2) ensure such modification is sufficient to  
25      complete the full installation of MQ-25 in no more

1 than a single maintenance period after such over-  
2 haul.

3 **SEC. 220. ESTABLISHMENT OF INNOVATORS INFORMATION**  
4 **REPOSITORY IN THE DEPARTMENT OF DE-**  
5 **FENSE.**

6 (a) IN GENERAL.—Not later than one year after the  
7 date of the enactment of this Act, the Secretary of Defense  
8 shall, acting through the Defense Technical Information  
9 Center, establish an innovators information repository  
10 within the Department of Defense in accordance with this  
11 section.

12 (b) MAINTENANCE OF INFORMATION REPOSITORY.—  
13 The Under Secretary of Defense for Research and Engi-  
14 neering shall maintain the information repository and en-  
15 sure that it is periodically updated.

16 (c) ELEMENTS OF INFORMATION REPOSITORY.—The  
17 information repository established under subsection (a)  
18 shall—

19 (1) be coordinated across the Department of  
20 Defense enterprise to focus on small business  
21 innovators that are small, independent United States  
22 businesses, including those participating in the  
23 Small Business Innovation Research program or the  
24 Small Business Technology Transfer program;

1           (2) include appropriate information about each  
2 participant, including a description of—

3           (A) the need or requirement applicable to  
4 the participant;

5           (B) the participant's technology with ap-  
6 propriate technical detail and appropriate pro-  
7 tections of proprietary information or data;

8           (C) any prior business of the participant  
9 with the Department; and

10           (D) whether the participant's technology  
11 was incorporated into a program of record; and

12           (3) incorporate the appropriate classification  
13 due to compilation of information.

14           (d) USE OF INFORMATION REPOSITORY.—After the  
15 information repository is established under subsection (a),  
16 the Secretary shall encourage use of the information re-  
17 pository by Department organizations involved in tech-  
18 nology development and protection, including program of-  
19 fices, before initiating a Request for Information or a Re-  
20 quest for Proposal to determine whether an organic tech-  
21 nology exists or is being developed currently by a an entity  
22 supported by the Department (which may include a com-  
23 pany, academic consortium, or other entity).

1 **SEC. 221. STRATEGIC PLAN FOR DEPARTMENT OF DEFENSE**  
2 **TEST AND EVALUATION RESOURCES.**

3 Section 196(d) of title 10, United States Code, is  
4 amended—

5 (1) by amending paragraph (1) to read as fol-  
6 lows: “(1) Not less often than once every two fiscal  
7 years, the Under Secretary of Defense for Research  
8 and Engineering, in coordination with the Director  
9 of the Department of Defense Test Resources Man-  
10 agement Center, the Director of Operational Test  
11 and Evaluation, the Director of the Defense Intel-  
12 ligence Agency, the Secretaries of the military de-  
13 partments, and the heads of Defense Agencies with  
14 test and evaluation responsibilities, shall complete a  
15 strategic plan reflecting the future needs of the De-  
16 partment of Defense with respect to test and evalua-  
17 tion facilities and resources. Each strategic plan  
18 shall cover the period of thirty fiscal years beginning  
19 with the fiscal year in which the plan is submitted  
20 under paragraph (3). The strategic plan shall be  
21 based on a comprehensive review of both funded and  
22 unfunded test and evaluation requirements of the  
23 Department, future threats to national security, and  
24 the adequacy of the test and evaluation facilities and  
25 resources of the Department to meet those future  
26 requirements and threats.”; and

1           (2) in paragraph (2)(C), by striking “needed to  
2           meet such requirements” and inserting “needed to  
3           meet current and future requirements based on cur-  
4           rent and emerging threats”.

5 **SEC. 222. COLLABORATION BETWEEN DEFENSE LABORA-**  
6                   **TORIES, INDUSTRY, AND ACADEMIA; OPEN**  
7                   **CAMPUS PROGRAM.**

8           (a) **COLLABORATION.**—The Secretary of Defense  
9           may carry out activities to prioritize innovative collabora-  
10          tion between Department of Defense science and tech-  
11          nology reinvention laboratories, industry, and academia.

12          (b) **OPEN CAMPUS PROGRAM.**—In carrying out sub-  
13          section (a), the Secretary, acting through the Commander  
14          of the Air Force Research Laboratory, the Commander  
15          of the Army Research, Development and Engineering  
16          Command, and the Chief of Naval Research, or such other  
17          officials of the Department as the Secretary considers ap-  
18          propriate, may develop and implement an open campus  
19          program for the Department science and technology re-  
20          invention laboratories which shall be modeled after the  
21          open campus program of the Army Research Laboratory.

1 **SEC. 223. PERMANENT EXTENSION AND CODIFICATION OF**  
2 **AUTHORITY TO CONDUCT TECHNOLOGY PRO-**  
3 **TECTION FEATURES ACTIVITIES DURING RE-**  
4 **SEARCH AND DEVELOPMENT OF DEFENSE**  
5 **SYSTEMS.**

6 (a) IN GENERAL.—Chapter 139 of title 10, United  
7 States Code, is amended by inserting before section 2358  
8 the following new section:

9 **“§ 2357. Technology protection features activities**

10 “(a) ACTIVITIES.—The Secretary of Defense shall  
11 carry out activities to develop and incorporate technology  
12 protection features in a designated system during the re-  
13 search and development phase of such system.

14 “(b) COST-SHARING.—Any contract for the design or  
15 development of a system resulting from activities under  
16 subsection (a) for the purpose of enhancing or enabling  
17 the exportability of the system, either for the development  
18 of program protection strategies for the system or the de-  
19 sign and incorporation of exportability features into the  
20 system, shall include a cost-sharing provision that requires  
21 the contractor to bear half of the cost of such activities,  
22 or such other portion of such cost as the Secretary con-  
23 siders appropriate upon showing of good cause.

24 “(c) DEFINITIONS.—In this section:

25 “(1) The term ‘designated system’ means any  
26 system (including a major system, as defined in sec-

1       tion 2302(5) of title 10, United States Code) that  
2       the Under Secretary of Defense for Acquisition and  
3       Sustainment designates for purposes of this section.

4               “(2) The term ‘technology protection features’  
5       means the technical modifications necessary to pro-  
6       tect critical program information, including anti-  
7       tamper technologies and other systems engineering  
8       activities intended to prevent or delay exploitation of  
9       critical technologies in a designated system.”.

10       (b) CLERICAL AMENDMENT.—The table of sections  
11       at the beginning of chapter 139 of title 10, United States  
12       Code, is amended by inserting before the item relating to  
13       section 2358 the following new item:

      “2357. Technology protection features activities.”.

14       (c) CONFORMING REPEAL.—Section 243 of the Ike  
15       Skelton National Defense Authorization Act for Fiscal  
16       Year 2011 (10 U.S.C. 2358 note) is repealed.

17       **SEC. 224. CODIFICATION AND REAUTHORIZATION OF DE-**  
18                       **FENSE RESEARCH AND DEVELOPMENT**  
19                       **RAPID INNOVATION PROGRAM.**

20       (a) CODIFICATION.—

21               (1) IN GENERAL.—Chapter 139 of title 10,  
22       United States Code, is amended by inserting after  
23       section 2359 the following new section:

1 **“§ 2359a. Defense Research and Development Rapid**  
2 **Innovation Program**

3 “(a) PROGRAM ESTABLISHED.—(1) The Secretary of  
4 Defense shall establish a competitive, merit-based pro-  
5 gram to accelerate the fielding of technologies developed  
6 pursuant to phase II Small Business Innovation Research  
7 Program projects, technologies developed by the defense  
8 laboratories, and other innovative technologies (including  
9 dual use technologies).

10 “(2) The purpose of this program is to stimulate in-  
11 novative technologies and reduce acquisition or lifecycle  
12 costs, address technical risks, improve the timeliness and  
13 thoroughness of test and evaluation outcomes, and rapidly  
14 insert such products directly in support of primarily major  
15 defense acquisition programs, but also other defense ac-  
16 quisition programs that meet critical national security  
17 needs.

18 “(b) GUIDELINES.—The Secretary shall issue guide-  
19 lines for the operation of the program. At a minimum such  
20 guidance shall provide for the following:

21 “(1) The issuance of one or more broad agency  
22 announcements or the use of any other competitive  
23 or merit-based processes by the Department of De-  
24 fense for candidate proposals in support of defense  
25 acquisition programs as described in subsection (a).

1           “(2) The review of candidate proposals by the  
2           Department of Defense and by each military depart-  
3           ment and the merit-based selection of the most  
4           promising cost-effective proposals for funding  
5           through contracts, cooperative agreements, and  
6           other transactions for the purposes of carrying out  
7           the program.

8           “(3) The total amount of funding provided to  
9           any project under the program from funding pro-  
10          vided under subsection (d) shall not exceed  
11          \$3,000,000, unless the Secretary, or the Secretary’s  
12          designee, approves a larger amount of funding for  
13          the project.

14          “(4) No project shall receive more than a total  
15          of two years of funding under the program from  
16          funding provided under subsection (d), unless the  
17          Secretary, or the Secretary’s designee, approves  
18          funding for any additional year.

19          “(5) Mechanisms to facilitate transition of fol-  
20          low-on or current projects carried out under the pro-  
21          gram into defense acquisition programs, through the  
22          use of the authorities of section 2302e of this title  
23          or such other authorities as may be appropriate to  
24          conduct further testing, low rate production, or full

1 rate production of technologies developed under the  
2 program.

3 “(6) Projects are selected using merit-based se-  
4 lection procedures and the selection of projects is not  
5 subject to undue influence by Congress or other  
6 Federal agencies.

7 “(c) TREATMENT PURSUANT TO CERTAIN CONGRES-  
8 SIONAL RULES.—Nothing in this section shall be inter-  
9 preted to require or enable any official of the Department  
10 of Defense to provide funding under this section to any  
11 earmark as defined pursuant to House Rule XXI, clause  
12 9, or any congressionally directed spending item as defined  
13 pursuant to Senate Rule XLIV, paragraph 5.

14 “(d) FUNDING.—Subject to the availability of appro-  
15 priations for such purpose, the amounts authorized to be  
16 appropriated for research, development, test, and evalua-  
17 tion for a fiscal year may be used for such fiscal year for  
18 the program established under subsection (a).

19 “(e) TRANSFER AUTHORITY.—(1) The Secretary  
20 may transfer funds available for the program to the re-  
21 search, development, test, and evaluation accounts of a  
22 military department, defense agency, or the unified com-  
23 batant command for special operations forces pursuant to  
24 a proposal, or any part of a proposal, that the Secretary

1 determines would directly support the purposes of the pro-  
2 gram.

3 “(2) The transfer authority provided in this sub-  
4 section is in addition to any other transfer authority avail-  
5 able to the Department of Defense.”.

6 (2) CLERICAL AMENDMENT.—The table of sec-  
7 tions at the beginning of chapter 139 of such title  
8 is amended by inserting after the item relating to  
9 section 2359 the following new item:

“2359a. Defense Research and Development Rapid Innovation Program.”.

10 (b) CONFORMING AMENDMENTS.—

11 (1) REPEAL OF OLD PROVISION.—Section 1073  
12 of the Ike Skelton National Defense Authorization  
13 Act for Fiscal Year 2011 (Public Law 111–383; 10  
14 U.S.C. 2359 note) is hereby repealed.

15 (2) REPEAL OF OLD TABLE OF CONTENTS  
16 ITEM.—The table of contents in section 2(b) of such  
17 Act is amended by striking the item relating to sec-  
18 tion 1073.

19 **SEC. 225. PROCEDURES FOR RAPID REACTION TO EMERG-**  
20 **ING TECHNOLOGY.**

21 (a) REQUIREMENT TO ESTABLISH PROCEDURES.—  
22 Not later than 180 days after the date of the enactment  
23 of this Act, the Under Secretary of Defense for Research  
24 and Engineering shall prescribe procedures for the des-  
25 ignation and development of technologies that are—

1 (1) urgently needed—

2 (A) to react to a technological development  
3 of an adversary of the United States; or

4 (B) to respond to a significant and urgent  
5 emerging technology; and

6 (2) not receiving appropriate research funding  
7 or attention from the Department of Defense.

8 (b) ELEMENTS.—The procedures prescribed under  
9 subsection (a) shall include the following:

10 (1) A process for streamlined communications  
11 between the Under Secretary, the Joint Chiefs of  
12 Staff, the commanders of the combatant commands,  
13 the science and technology executives within each  
14 military department, and the science and technology  
15 community, including—

16 (A) a process for the commanders of the  
17 combatant commands and the Joint Chiefs of  
18 Staff to communicate their needs to the science  
19 and technology community; and

20 (B) a process for the science and tech-  
21 nology community to propose technologies that  
22 meet the needs communicated by the combatant  
23 commands and the Joint Chiefs of Staff.

1           (2) Procedures for the development of tech-  
2           nologies proposed pursuant to paragraph (1)(B), in-  
3           cluding—

4                   (A) a process for demonstrating perform-  
5                   ance of the proposed technologies on a short  
6                   timeline;

7                   (B) a process for developing a development  
8                   strategy for a technology, including integration  
9                   into future budget years; and

10                   (C) a process for making investment deter-  
11                   minations based on information obtained pursu-  
12                   ant to subparagraphs (A) and (B).

13           (c) BRIEFING.—Not later than 180 days after the  
14           date of the enactment of this Act, the Under Secretary  
15           shall provide to the congressional defense committees a  
16           briefing on the procedures required by subsection (a).

17   **SEC. 226. ACTIVITIES ON IDENTIFICATION AND DEVELOP-**  
18                   **MENT OF ENHANCED PERSONAL PROTEC-**  
19                   **TIVE EQUIPMENT AGAINST BLAST INJURY.**

20           (a) ACTIVITIES REQUIRED.—During calendar year  
21           2019, the Secretary of the Army shall, in consultation with  
22           the Director of Operational Test and Evaluation, carry out  
23           a set of activities to identify and develop personal equip-  
24           ment to provide enhanced protection against injuries  
25           caused by blasts in combat and training.

1 (b) ACTIVITIES.—

2 (1) CONTINUOUS EVALUATION PROCESS.—For  
3 purposes of the activities required by subsection (a),  
4 the Secretary shall establish a process to continu-  
5 ously solicit from government, industry, academia,  
6 and other appropriate entities personal protective  
7 equipment that is ready for testing and evaluation in  
8 order to identify and evaluate equipment or clothing  
9 that is more effective in protecting members of the  
10 Armed Forces from the harmful effects of blast inju-  
11 ries, including traumatic brain injuries, and would  
12 be suitable for expedited procurement and fielding.

13 (2) GOALS.—The goals of the activities shall in-  
14 clude:

15 (A) Development of streamlined require-  
16 ments for procurement of personal protective  
17 equipment.

18 (B) Appropriate testing of personal protec-  
19 tive equipment prior to procurement and field-  
20 ing.

21 (C) Development of expedited mechanisms  
22 for deployment of effective personal protective  
23 equipment.

24 (D) Identification of areas of research in  
25 which increased investment has the potential to

1 improve the quality of personal protective  
2 equipment and the capability of the industrial  
3 base to produce such equipment.

4 (E) Such other goals as the Secretary con-  
5 siders appropriate.

6 (3) PARTNERSHIPS FOR CERTAIN ASSESS-  
7 MENTS.—As part of the activities, the Secretary  
8 should continue to establish partnerships with ap-  
9 propriate academic institutions for purposes of as-  
10 ssuming the following:

11 (A) The ability of various forms of per-  
12 sonal protective equipment to protect against  
13 common blast injuries, including traumatic  
14 brain injuries.

15 (B) The value of real-time data analytics  
16 to track the effectiveness of various forms of  
17 personal protective equipment to protect against  
18 common blast injuries, including traumatic  
19 brain injuries.

20 (C) The availability of commercial-off the-  
21 shelf personal protective technology to protect  
22 against traumatic brain injury resulting from  
23 blasts.

24 (D) The extent to which the equipment de-  
25 termined through the assessment to be most ef-

1           fective to protect against common blast injuries  
2           is readily modifiable for different body types  
3           and to provide lightweight material options to  
4           enhance maneuverability.

5           (c) **AUTHORITIES.**—In carrying out activities under  
6 subsection (a), the Secretary may use any authority as fol-  
7 lows:

8           (1) Experimental procurement authority under  
9 section 2373 of title 10, United States Code.

10           (2) Other transactions authority under section  
11 2371 and 2371b of title 10, United States Code.

12           (3) Authority to award technology prizes under  
13 section 2374a of title 10, United States Code.

14           (4) Authority under the Defense Acquisition  
15 Challenge Program under section 2359b of title 10,  
16 United States Code.

17           (5) Any other authority on acquisition, tech-  
18 nology transfer, and personnel management that the  
19 Secretary considers appropriate.

20           (d) **CERTAIN TREATMENT OF ACTIVITIES.**—Any ac-  
21 tivities under this section shall be deemed to have been  
22 through the use of competitive procedures for the purposes  
23 of section 2304 of title 10, United States Code.

24           (e) **ON-GOING ASSESSMENT FOLLOWING ACTIVI-**  
25 **TIES.**—After the completion of activities under subsection

1 (a), the Secretary shall, on an on-going basis, do the fol-  
2 lowing:

3 (1) Evaluate the extent to which personal pro-  
4 tective equipment identified through the activities  
5 would—

6 (A) enhance survivability of personnel from  
7 blasts in combat and training; and

8 (B) enhance prevention of brain damage,  
9 and reduction of any resultant chronic brain  
10 dysfunction, from blasts in combat and train-  
11 ing.

12 (2) In the case of personal protective equipment  
13 so identified that would provide enhancements as de-  
14 scribed in paragraph (1), estimate the costs that  
15 would be incurred to procure such enhanced per-  
16 sonal protective equipment, and develop a schedule  
17 for the procurement of such equipment.

18 (3) Estimate the potential health care cost sav-  
19 ings that would occur from expanded use of personal  
20 protective equipment described in paragraph (2).

21 (f) REPORT.—Not later than December 1, 2019, the  
22 Secretary shall submit to the Committee on Armed Serv-  
23 ices of the Senate and the Committee on Armed Services  
24 of the House of Representatives a report on the activities  
25 under subsection (a) as of the date of the report.

1 (g) FUNDING.—Of the amount authorized to be ap-  
2 propriated for fiscal year 2019 by this Act for research,  
3 development, test, and evaluation, as specified in the fund-  
4 ing tables in division D, \$10,000,000 may be used to carry  
5 out this section.

6 **SEC. 227. HUMAN FACTORS MODELING AND SIMULATION**  
7 **ACTIVITIES.**

8 (a) ACTIVITIES REQUIRED.—The Secretary of De-  
9 fense shall develop and provide for the carrying out of  
10 human factors modeling and simulation activities designed  
11 to do the following:

12 (1) Provide warfighters and civilians with per-  
13 sonalized assessment, education, and training tools.

14 (2) Identify and implement effective ways to  
15 interface and team warfighters with machines.

16 (3) Result in the use of intelligent, adaptive  
17 augmentation to enhance decision making.

18 (4) Result in the development of techniques,  
19 technologies, and practices to mitigate critical  
20 stressors that impede warfighter and civilian protec-  
21 tion, sustainment, and performance.

22 (b) PURPOSE.—The overall purpose of the activities  
23 shall be to accelerate research and development that en-  
24 hances capabilities for human performance, human-sys-  
25 tems integration, and training for the warfighter.

1 (c) PARTICIPANTS IN ACTIVITIES.—Participants in  
2 the activities may include the following:

3 (1) Elements of the Department of Defense en-  
4 gaged in science and technology activities.

5 (2) Program Executive Offices of the Depart-  
6 ment.

7 (3) Academia.

8 (4) The private sector.

9 (5) Such other participants as the Secretary  
10 considers appropriate.

11 **SEC. 228. EXPANSION OF MISSION AREAS SUPPORTED BY**  
12 **MECHANISMS FOR EXPEDITED ACCESS TO**  
13 **TECHNICAL TALENT AND EXPERTISE AT ACA-**  
14 **DEMIC INSTITUTIONS.**

15 Section 217(e) of the National Defense Authorization  
16 Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.  
17 2358 note) is amended—

18 (1) by redesignating paragraph (23) as para-  
19 graph (27); and

20 (2) by inserting after paragraph (22) the fol-  
21 lowing new paragraphs:

22 “(23) Space.

23 “(24) Infrastructure resilience.

24 “(25) Photonics.

25 “(26) Autonomy.”.

1 **SEC. 229. ADVANCED MANUFACTURING ACTIVITIES.**

2 (a) DESIGNATION.—The Under Secretary of Defense  
3 for Acquisition and Sustainment and the Under Secretary  
4 of Defense for Research and Engineering shall jointly, in  
5 coordination with Secretaries of the military departments,  
6 establish at least one activity per military service to dem-  
7 onstrate advanced manufacturing techniques and capabili-  
8 ties at depot-level activities or military arsenal facilities  
9 of the military departments.

10 (b) PURPOSES.—The activities established pursuant  
11 to subsection (a) shall—

12 (1) support efforts to implement advanced man-  
13 ufacturing techniques and capabilities;

14 (2) identify improvements to sustainment meth-  
15 ods for component parts and other logistics needs;

16 (3) identify and implement appropriate infor-  
17 mation security protections to ensure security of ad-  
18 vanced manufacturing;

19 (4) aid in the procurement of advanced manu-  
20 facturing equipment and support services;

21 (5) enhance partnerships between the defense  
22 industrial base and Department of Defense labora-  
23 tories, academic institutions, and industry; and

24 (6) to the degree practicable, include an edu-  
25 cational or training component to build an advanced  
26 manufacturing workforce.

1 (c) COOPERATIVE AGREEMENTS AND PARTNER-  
2 SHIPS.—

3 (1) IN GENERAL.—The Under Secretaries may  
4 enter into a cooperative agreement and use public-  
5 private and public-public partnerships to facilitate  
6 development of advanced manufacturing techniques  
7 in support of the defense industrial base.

8 (2) REQUIREMENTS.—A cooperative agreement  
9 entered into under paragraph (1) and a partnership  
10 used under such paragraph shall facilitate—

11 (A) development and implementation of  
12 advanced manufacturing techniques and capa-  
13 bilities;

14 (B) appropriate sharing of information in  
15 the adaptation of advanced manufacturing, in-  
16 cluding technical data rights;

17 (C) implementation of appropriate infor-  
18 mation security protections into advanced man-  
19 ufacturing tools and techniques; and

20 (D) support of necessary workforce devel-  
21 opment.

22 (d) AUTHORITIES.—In carrying out this section, the  
23 Under Secretaries may use the following authorities:

1           (1) Section 2196 of title 10, United States  
2 Code, relating to the Manufacturing Engineering  
3 Education Program.

4           (2) Section 2368 of such title, relating to cen-  
5 ters for science, technology, and engineering part-  
6 nership.

7           (3) Section 2374a of such title, relating to  
8 prizes for advanced technology achievements.

9           (4) Section 2474 of such title, relating to cen-  
10 ters of industrial and technical excellence.

11           (5) Section 2521 of such title, relating to the  
12 Manufacturing Technology Program.

13           (6) Section 12 of the Stevenson-Wydler Tech-  
14 nology Innovation Act of 1980 (15 U.S.C. 3710a)  
15 and section 6305 of title 31, United States Code, re-  
16 lating to cooperative research and development  
17 agreements.

18           (7) Such other authorities as the Under Secre-  
19 taries considers appropriate.

20 **SEC. 230. NATIONAL SECURITY INNOVATION ACTIVITIES.**

21           (a) ESTABLISHMENT.—The Under Secretary of De-  
22 fense for Research and Engineering shall establish activi-  
23 ties to develop interaction between the Department of De-  
24 fense and the commercial technology industry and aca-

1 demia with regard to emerging hardware products and  
2 technologies with national security applications.

3 (b) ELEMENTS.—The activities required by sub-  
4 section (a) shall include the following:

5 (1) Informing and encouraging private invest-  
6 ment in specific hardware technologies of interest to  
7 future defense technology needs with unique national  
8 security applications.

9 (2) Funding research and technology develop-  
10 ment in hardware-intensive capabilities that private  
11 industry has not sufficiently supported to meet rap-  
12 idly emerging defense and national security needs.

13 (3) Contributing to the development of policies,  
14 policy implementation, and actions to deter strategic  
15 acquisition of industrial and technical capabilities in  
16 the private sector by foreign entities that could po-  
17 tentially exclude companies from participating in the  
18 Department of Defense technology and industrial  
19 base.

20 (4) Identifying promising emerging technology  
21 in industry and academia for the Department of De-  
22 fense for potential support or research and develop-  
23 ment cooperation.

24 (c) TRANSFER OF PERSONNEL AND RESOURCES.—

1           (1) IN GENERAL.—Subject to paragraph (2),  
2           the Under Secretary may transfer such personnel,  
3           resources, and authorities that are under the control  
4           of the Under Secretary as the Under Secretary con-  
5           siders appropriate to carry out the activities estab-  
6           lished under subsection (a) from other elements of  
7           the Department under the control of the Under Sec-  
8           retary or upon approval of the Secretary of Defense.

9           (2) CERTIFICATION.—The Under Secretary  
10          may only make a transfer of personnel, resources, or  
11          authorities under paragraph (1) upon certification  
12          by the Under Secretary that the activities estab-  
13          lished under paragraph (a) can attract sufficient pri-  
14          vate sector investment, has personnel with sufficient  
15          technical and management expertise, and has identi-  
16          fied relevant technologies and systems for potential  
17          investment in order to carry out the activities estab-  
18          lished under subsection (a), independent of further  
19          government funding beyond this authorization.

20          (d) ESTABLISHMENT OF NONPROFIT ENTITY.—The  
21          Under Secretary may establish or fund a nonprofit entity  
22          to carry out the program activities under subsection (a).

23          (e) PLAN.—

24                (1) IN GENERAL.—Not later than one year  
25                after the date of the enactment of this Act, the

1 Under Secretary shall submit to the congressional  
2 defense committees a detailed plan to carry out this  
3 section.

4 (2) ELEMENTS.—The plan required by para-  
5 graph (1) shall include the following:

6 (A) A description of the additional authori-  
7 ties needed to carry out the activities set forth  
8 in subsection (b).

9 (B) Plans for transfers under subsection  
10 (c), including plans for private fund-matching  
11 and investment mechanisms, oversight, treat-  
12 ment of rights relating to technical data devel-  
13 oped, and relevant dates and goals of such  
14 transfers.

15 (C) Plans for attracting the participation  
16 of the commercial technology industry and aca-  
17 demia and how those plans fit into the current  
18 Department of Defense research and engineer-  
19 ing enterprise.

20 (f) AUTHORITIES.—In carrying out this section, the  
21 Under Secretary may use the following authorities:

22 (1) Section 1711 of the National Defense Au-  
23 thorization Act for Fiscal Year 2018 (Public Law  
24 115–91), relating to a pilot program on strength-  
25 ening manufacturing in the defense industrial base.

1           (2) Section 1599g of title 10 of the United  
2 States Code, relating to public-private talent ex-  
3 changes.

4           (3) Section 2368 of such title, relating to Cen-  
5 ters for Science, Technology, and Engineering Part-  
6 nerships.

7           (4) Section 2374a of such title, relating to  
8 prizes for advanced technology achievements.

9           (5) Section 2474 of such title, relating to Cen-  
10 ters of Industrial and Technical Excellence.

11           (6) Section 2521 of such title, relating to the  
12 Manufacturing Technology Program.

13           (7) Subchapter VI of chapter 33 of title 5,  
14 United States Code, relating to assignments to and  
15 from States.

16           (8) Chapter 47 of such title, relating to per-  
17 sonnel research programs and demonstration  
18 projects.

19           (9) Section 12 of the Stevenson-Wydler Tech-  
20 nology Innovation Act of 1980 (15 U.S.C. 3710a)  
21 and section 6305 of title 31, United States Code, re-  
22 lating to cooperative research and development  
23 agreements.

24           (10) Such other authorities as the Under Sec-  
25 retary considers appropriate.

1 (g) NOTICE REQUIRED.—Not later than 15 days be-  
2 fore the date on which the Under Secretary first exercises  
3 the authority granted under subsection (d) and not later  
4 than 15 days before the date on which the Under Sec-  
5 retary first obligates or expends any amount authorized  
6 under subsection (h), the Under Secretary shall notify the  
7 congressional defense committees of such exercise, obliga-  
8 tion, or expenditure, as the case may be.

9 (h) FUNDING.—Of the amount authorized to be ap-  
10 propriated for fiscal year 2019 for the Department of De-  
11 fense by section 201 and subject to the availability of ap-  
12 propriations, up to \$75,000,000 may be available to carry  
13 out this section.

14 **SEC. 231. PARTNERSHIP INTERMEDIARIES FOR PRO-**  
15 **MOTION OF DEFENSE RESEARCH AND EDU-**  
16 **CATION.**

17 Section 2368 of title 10, United States Code, is  
18 amended—

19 (1) by redesignating subsections (f) and (g) as  
20 subsections (g) and (h), respectively; and

21 (2) by inserting after subsection (e) the fol-  
22 lowing new subsection (f):

23 “(f) USE OF PARTNERSHIP INTERMEDIARIES TO  
24 PROMOTE DEFENSE RESEARCH AND EDUCATION.—(1)  
25 Subject to the approval of the Secretary or the head of

1 the another department or agency of the Federal Govern-  
2 ment concerned, the Director of a Center may enter into  
3 a contract, memorandum of understanding or other transi-  
4 tion with a partnership intermediary that provides for the  
5 partnership intermediary to perform services for the De-  
6 partment of Defense that increase the likelihood of success  
7 in the conduct of cooperative or joint activities of the Cen-  
8 ter with industry or academic institutions.

9 “(2) In this subsection, the term ‘partnership inter-  
10 mediary’ means an agency of a State or local government,  
11 or a nonprofit entity owned in whole or in part by, char-  
12 tered by, funded in whole or in part by, or operated in  
13 whole or in part by or on behalf of a State or local govern-  
14 ment, that assists, counsels, advises, evaluates, or other-  
15 wise cooperates with industry or academic institutions  
16 that need or can make demonstrably productive use of  
17 technology-related assistance from a Center.”.

18 **SEC. 232. LIMITATION ON USE OF FUNDS FOR SURFACE**  
19 **NAVY LASER WEAPON SYSTEM.**

20 (a) **LIMITATION.**—None of the funds authorized to  
21 be appropriated or otherwise made available by this Act  
22 may be used to exceed, in fiscal year 2019, a procurement  
23 quantity of one Surface Navy Laser Weapon System, also  
24 known as the High Energy Laser and Integrated Optical-  
25 dazzler with Surveillance (HELIOS), unless the Secretary

1 of the Navy submits to the congressional defense commit-  
2 tees a report on such system with the elements set forth  
3 in subsection (b).

4 (b) ELEMENTS.—The elements set forth in this sub-  
5 section are, with respect to the system described in sub-  
6 section (a), the following:

7 (1) A document setting forth the requirements  
8 for the system, including desired performance char-  
9 acteristics.

10 (2) An acquisition plan that includes the fol-  
11 lowing:

12 (A) A program schedule to accomplish de-  
13 sign completion, technology maturation, risk re-  
14 duction, and other activities, including dates of  
15 key design reviews (such as Preliminary Design  
16 Review and Critical Design Review) and pro-  
17 gram initiation decision (such as Milestone B)  
18 if applicable.

19 (B) A contracting strategy, including re-  
20 quests for proposals, the extent to which con-  
21 tracts will be competitively awarded, option  
22 years, option quantities, option prices, and ceil-  
23 ing prices.

24 (C) The fiscal years of procurement and  
25 delivery for each engineering development

1 model, prototype, or similar unit planned to be  
2 acquired.

3 (D) A justification for the fiscal years of  
4 procurement and delivery for each engineering  
5 development model, prototype, or similar unit  
6 planned to be acquired.

7 (3) A test plan and schedule sufficient to  
8 achieve operational effectiveness and operational  
9 suitability determinations (such as Early Oper-  
10 ational Capability and Initial Operational Capability)  
11 related to the requirements set forth in paragraph  
12 (1).

13 (4) Associated funding and item quantities,  
14 disaggregated by fiscal year and appropriation, re-  
15 quested in the Fiscal Year 2019 Future Years De-  
16 fense Program.

17 (5) An estimate of the acquisition costs, includ-  
18 ing the total costs for procurement, research, devel-  
19 opment, test, and evaluation.

20 **SEC. 233. EXPANSION OF COORDINATION REQUIREMENT**  
21 **FOR SUPPORT FOR NATIONAL SECURITY IN-**  
22 **NOVATION AND ENTREPRENEURIAL EDU-**  
23 **CATION.**

24 Section 225(e) of the National Defense Authorization  
25 Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.

1 2359 note) is amended by adding at the end the following  
2 new paragraphs:

3           “(16) The National Security Technology Accel-  
4 erator.

5           “(17) The I-Corps Program.”.

6 **SEC. 234. DEFENSE QUANTUM INFORMATION SCIENCE AND**  
7           **TECHNOLOGY RESEARCH AND DEVELOP-**  
8           **MENT PROGRAM.**

9           (a) **ESTABLISHMENT.**—The Secretary of Defense  
10 shall carry out a quantum information science and tech-  
11 nology research and development program.

12           (b) **PURPOSES.**—The purposes of the program re-  
13 quired by subsection (a) are as follows:

14           (1) To ensure global superiority of the United  
15 States in quantum information science necessary for  
16 meeting national security requirements.

17           (2) To coordinate all quantum information  
18 science and technology research and development  
19 within the Department of Defense and to provide for  
20 interagency cooperation and collaboration on quan-  
21 tum information science and technology research  
22 and development between the Department of De-  
23 fense and other departments and agencies of the  
24 United States and appropriate private sector entities

1 that are involved in quantum information science  
2 and technology research and development.

3 (3) To develop and manage a portfolio of fun-  
4 damental and applied quantum information science  
5 and technology and engineering research initiatives  
6 that is stable, consistent, and balanced across sci-  
7 entific disciplines.

8 (4) To accelerate the transition and deployment  
9 of technologies and concepts derived from quantum  
10 information science and technology research and de-  
11 velopment into the Armed Forces, and to establish  
12 policies, procedures, and standards for measuring  
13 the success of such efforts.

14 (5) To collect, synthesize, and disseminate crit-  
15 ical information on quantum information science and  
16 technology research and development.

17 (6) To establish and support appropriate re-  
18 search, innovation, and industrial base, including fa-  
19 cilities and infrastructure, to support the needs of  
20 Department of Defense missions and systems related  
21 to quantum information science and technology.

22 (c) ADMINISTRATION.—In carrying out the program  
23 required by subsection (a), the Secretary shall act through  
24 the Under Secretary of Defense for Research and Engi-  
25 neering, who shall supervise the planning, management,

1 and coordination of the program. The Under Secretary,  
2 in consultation with the Secretaries of the military depart-  
3 ments and the heads of participating Defense Agencies  
4 and other departments and agencies of the United States,  
5 shall—

6 (1) prescribe a set of long-term challenges and  
7 a set of specific technical goals for the program, in-  
8 cluding—

9 (A) optimization of analysis of national se-  
10 curity data sets;

11 (B) development of defense related quan-  
12 tum computing algorithms;

13 (C) design of new materials and molecular  
14 functions;

15 (D) secure communications and cryptog-  
16 raphy, including development of quantum com-  
17 munications protocols;

18 (E) quantum sensing and metrology;

19 (F) development of mathematics relating  
20 to quantum enhancements to sensing, commu-  
21 nications, and computing; and

22 (G) processing and manufacturing of low-  
23 cost, robust, and reliable quantum information  
24 science and technology-enabled devices and sys-  
25 tems;

1           (2) develop a coordinated and integrated re-  
2           search and investment plan for meeting the near-,  
3           mid-, and long-term challenges with definitive mile-  
4           stones while achieving the specific technical goals  
5           that builds upon the Department's increased invest-  
6           ment in quantum information science and technology  
7           research and development, commercial sector and  
8           global investments, and other United States Govern-  
9           ment investments in the quantum sciences;

10          (3) not later than 180 days after the date of  
11          the enactment of this Act, develop and continuously  
12          update guidance, including classification and data  
13          management plans for defense-related quantum in-  
14          formation science and technology activities, and poli-  
15          cies for control of personnel participating on such  
16          activities to minimize the effects of loss of intellec-  
17          tual property in basic and applied quantum science  
18          and information considered sensitive to the leader-  
19          ship of the United States in the field of quantum in-  
20          formation science and technology; and

21          (4) develop memoranda of agreement, joint  
22          funding agreements, and other cooperative arrange-  
23          ments necessary for meeting the long-term chal-  
24          lenges and achieving the specific technical goals.

25          (d) REPORT.—

1           (1) IN GENERAL.—Not later than December 31,  
2           2020, the Secretary shall submit to the congress-  
3           sional defense committees a report on the program,  
4           in both classified and unclassified format.

5           (2) ELEMENTS.—The report required by para-  
6           graph (1) shall include the following:

7                   (A) A description of the knowledge-base of  
8                   the Department with respect to quantum  
9                   sciences, plans to defend against quantum  
10                  based attacks, and any plans of the Secretary  
11                  to enhance such knowledge-base.

12                  (B) A plan that describes how the Sec-  
13                  retary intends to use quantum sciences for mili-  
14                  tary applications and to meet other needs of the  
15                  Department.

16                  (C) An assessment of the efforts of foreign  
17                  powers to use quantum sciences for military ap-  
18                  plications and other purposes.

19                  (D) A description of activities undertaken  
20                  consistent with this section, including funding  
21                  for activities consistent with the section.

22                  (E) Such other matters as the Secretary  
23                  considers appropriate.

1 **SEC. 235. JOINT DIRECTED ENERGY TEST ACTIVITIES.**

2 (a) TEST ACTIVITIES.—The Under Secretary of De-  
3 fense for Research and Engineering shall, in the Under  
4 Secretary's capacity as the official with principal responsi-  
5 bility for the development and demonstration of directed  
6 energy weapons for the Department of Defense pursuant  
7 to section 219(a)(1) of the National Defense Authoriza-  
8 tion Act for Fiscal Year 2017 (Public Law 114–328; 10  
9 U.S.C. 2431 note), develop, establish, and coordinate di-  
10 rected energy testing activities adequate to ensure the  
11 achievement by the Department of Defense of goals of the  
12 Department for developing and deploying directed energy  
13 systems to match national security needs.

14 (b) ELEMENTS.—The activity established under sub-  
15 section (a) shall include the following:

16 (1) The High Energy Laser System Test Facil-  
17 ity of the Army Test and Evaluation Command.

18 (2) Such other test resources and activities as  
19 the Under Secretary may designate for purposes of  
20 this section.

21 (c) DESIGNATION.—The test activities established  
22 under subsection (a) shall be considered part of the Major  
23 Range and Test Facility Base (as defined in 196(i) of title  
24 10, United States Code).

25 (d) PRIORITIZATION OF EFFORT.—In developing and  
26 coordinating testing activities pursuant to subsection (a),

1 the Under Secretary shall prioritize efforts consistent with  
2 the following:

3 (1) Paragraphs (2) through (5) of section  
4 219(a) of the National Defense Authorization Act  
5 for Fiscal Year 2017 (10 U.S.C. 2431 note).

6 (2) Enabling the standardized collection and  
7 evaluation of testing data to establish testing ref-  
8 erences and benchmarks.

9 (3) Concentrating sufficient personnel expertise  
10 of directed energy weapon systems in order to vali-  
11 date the effectiveness of new weapon systems against  
12 a variety of targets.

13 (4) Consolidating modern state-of-the-art test-  
14 ing infrastructure including telemetry, sensors, and  
15 optics to support advanced technology testing and  
16 evaluation.

17 (5) Formulating a joint lethality or vulner-  
18 ability information repository that can be accessed  
19 by any of the military departments of Defense Agen-  
20 cies, similar to a Joint Munitions Effectiveness  
21 Manuals (JMEMs).

22 (6) Reducing duplication of directed energy  
23 weapon testing.

1           (7) Ensuring that an adequate workforce and  
2           adequate testing facilities are maintained to support  
3           missions of the Department of Defense.

4 **SEC. 236. REQUIREMENT FOR ESTABLISHMENT OF AR-**  
5 **RANGEMENTS FOR EXPEDITED ACCESS TO**  
6 **TECHNICAL TALENT AND EXPERTISE AT ACA-**  
7 **DEMIC INSTITUTIONS TO SUPPORT DEPART-**  
8 **MENT OF DEFENSE MISSIONS.**

9           (a) IN GENERAL.—Subsection (a)(1) of section 217  
10 of the National Defense Authorization Act for Fiscal Year  
11 2018 (Public Law 115–91; 10 U.S.C. 2358 note) is  
12 amended by striking “and each secretary of a military de-  
13 partment may establish one or more” and inserting “shall,  
14 acting through the secretaries of the military departments,  
15 establish not fewer than three”.

16           (b) EXTENSION.—Subsection (f) of such section is  
17 amended by striking “September 30, 2020” and inserting  
18 “September 30, 2022”.

19 **SEC. 237. AUTHORITY FOR JOINT DIRECTED ENERGY TRAN-**  
20 **SITION OFFICE TO CONDUCT RESEARCH RE-**  
21 **LATING TO HIGH POWERED MICROWAVE CA-**  
22 **PABILITIES.**

23           Section 219(b)(3) of the National Defense Authoriza-  
24 tion Act for Fiscal Year 2017 (Public Law 114–328; 10  
25 U.S.C. 2431 note) is amended by inserting “, including

1 high-powered microwaves,” after “energy systems and  
2 technologies”.

3 **SEC. 238. JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DE-**  
4 **VELOPMENT, AND TRANSITION ACTIVITIES.**

5 (a) ESTABLISHMENT.—

6 (1) IN GENERAL.—The Secretary of Defense  
7 shall establish a set of activities within the Depart-  
8 ment of Defense to coordinate the efforts of the De-  
9 partment to develop, mature, and transition artificial  
10 intelligence technologies into operational use.

11 (2) EMPHASIS.—The set of activities estab-  
12 lished under paragraph (1) shall apply artificial in-  
13 telligence and machine learning solutions to oper-  
14 ational problems and coordinate activities involving  
15 artificial intelligence and artificial intelligence en-  
16 abled capabilities within the Department.

17 (b) DESIGNATION.—Not later than one year after the  
18 date of the enactment of this Act, the Secretary shall des-  
19 ignate a senior official of the Department with principal  
20 responsibility for the coordination of activities relating to  
21 the development and demonstration of artificial intel-  
22 ligence and machine learning for the Department.

23 (c) DUTIES.—The duties of the official designated  
24 under subsection (b) shall include the following:

1           (1) STRATEGIC PLAN.—Developing a detailed  
2           strategic plan to develop, mature, adopt, and transi-  
3           tion artificial intelligence technologies into oper-  
4           ational use. Such plan shall include the following:

5                   (A) A strategic roadmap for the identifica-  
6                   tion and coordination of the development and  
7                   fielding of artificial intelligence technologies and  
8                   key enabling capabilities.

9                   (B) The continuous evaluation and adapta-  
10                  tion of relevant artificial intelligence capabilities  
11                  developed both inside the Department and in  
12                  other organizations for military missions and  
13                  business operations.

14           (2) ACCELERATION OF DEVELOPMENT AND  
15           FIELDING OF ARTIFICIAL INTELLIGENCE.—To the  
16           degree practicable, the designated official shall—

17                   (A) use the flexibility of regulations, per-  
18                   sonnel, acquisition, partnerships with industry  
19                   and academia, or other relevant policies of the  
20                   Department to accelerate the development and  
21                   fielding of artificial intelligence capabilities;

22                   (B) ensure engagement with defense and  
23                   private industries, research universities, and un-  
24                   affiliated, nonprofit research institutions;

1 (C) provide technical advice and support to  
2 entities in the Department and the military de-  
3 partments to optimize the use of artificial intel-  
4 ligence and machine learning technologies to  
5 meet Department missions;

6 (D) support the development of require-  
7 ments for artificial intelligence capabilities that  
8 address the highest priority capability gaps of  
9 the Department and technical feasibility;

10 (E) develop and support capabilities for  
11 technical analysis and assessment of threat ca-  
12 pabilities based on artificial intelligence;

13 (F) ensure that the Department has ap-  
14 propriate workforce and capabilities at labora-  
15 tories, test ranges, and within the organic de-  
16 fense industrial base to support the artificial in-  
17 telligence capabilities and requirements of the  
18 Department;

19 (G) develop classification guidance for all  
20 artificial intelligence related activities of the De-  
21 partment;

22 (H) work with appropriate officials to de-  
23 velop appropriate ethical, legal, and other poli-  
24 cies for the Department governing the develop-  
25 ment and use of artificial intelligence enabled

1 systems and technologies in operational situa-  
2 tions; and

3 (I) ensure—

4 (i) that artificial intelligence programs  
5 of each military department and of the De-  
6 fense Agencies are consistent with the pri-  
7 orities identified under this section; and

8 (ii) appropriate coordination of artifi-  
9 cial intelligence activities of the Depart-  
10 ment with interagency, industry, and inter-  
11 national efforts relating to artificial intel-  
12 ligence, including relevant participation in  
13 standards setting bodies.

14 (3) GOVERNANCE AND OVERSIGHT OF ARTIFI-  
15 CIAL INTELLIGENCE AND MACHINE LEARNING POL-  
16 ICY.—Regularly convening appropriate officials  
17 across the Department—

18 (A) to integrate the functional activities of  
19 the organizations and elements of the Depart-  
20 ment with respect to artificial intelligence and  
21 machine learning;

22 (B) to ensure there are efficient and effec-  
23 tive artificial intelligence and machine learning  
24 capabilities throughout the Department; and

1           (C) to develop and continuously improve  
2           research, innovation, policy, joint processes, and  
3           procedures to facilitate the development, acqui-  
4           sition, integration, advancement, oversight, and  
5           sustainment of artificial intelligence and ma-  
6           chine learning throughout the Department.

7           (d) ACCESS TO INFORMATION.—The Secretary shall  
8           ensure that the official designated under subsection (b)  
9           has access to such information on programs and activities  
10          of the military departments and other Defense Agencies  
11          as the Secretary considers appropriate to carry out the  
12          coordination described in subsection (b) and the duties set  
13          forth in subsection (c).

14          (e) STUDY ON ARTIFICIAL INTELLIGENCE TOPICS.—

15               (1) IN GENERAL.—Not later than one year  
16               after the date of the enactment of this Act, the offi-  
17               cial designated under subsection (b) shall—

18                       (A) complete a study on past and current  
19                       advances in artificial intelligence and the future  
20                       of the discipline, including the methods and  
21                       means necessary to advance the development of  
22                       the discipline, to comprehensively address the  
23                       national security needs and requirements of the  
24                       Department; and

1 (B) submit to the congressional defense  
2 committees a report on the findings of the des-  
3 igned official with respect to the study com-  
4 pleted under subparagraph (A).

5 (2) CONSULTATION WITH EXPERTS.—In con-  
6 ducting the study required by paragraph (1)(A), the  
7 designated official shall consult with experts within  
8 the Department, other Federal agencies, academia,  
9 any advisory committee established by the Secretary  
10 that the Secretary determines appropriate based on  
11 the duties of the advisory committee and the exper-  
12 tise of its members, and the commercial sector, as  
13 the Secretary considers appropriate.

14 (3) ELEMENTS.—The study required by para-  
15 graph (1)(A) shall include the following:

16 (A) A comprehensive and national-level re-  
17 view of—

18 (i) advances in artificial intelligence,  
19 machine learning, and associated tech-  
20 nologies relevant to the needs of the De-  
21 partment and the Armed Forces; and

22 (ii) the competitiveness of the Depart-  
23 ment in artificial intelligence, machine  
24 learning, and such technologies.

1 (B) Near-term actionable recommendations  
2 to the Secretary for the Department to secure  
3 and maintain technical advantage in artificial  
4 intelligence, including ways—

5 (i) to more effectively organize the  
6 Department for artificial intelligence;

7 (ii) to educate, recruit, and retain  
8 leading talent; and

9 (iii) to most effectively leverage invest-  
10 ments in basic and advanced research and  
11 commercial progress in these technologies.

12 (C) Recommendations on the establishment  
13 of Departmentwide data standards and the pro-  
14 vision of incentives for the sharing of open  
15 training data, including those relevant for re-  
16 search into systems that integrate artificial in-  
17 telligence and machine learning with human  
18 teams.

19 (D) Recommendations for engagement by  
20 the Department with relevant agencies that will  
21 be involved with artificial intelligence in the fu-  
22 ture.

23 (E) Recommendations for legislative action  
24 relating to artificial intelligence, machine learn-  
25 ing, and associated technologies, including rec-

1           ommendations to more effectively fund and or-  
2           ganize the Department.

3           (f) DELINEATION OF DEFINITION OF ARTIFICIAL IN-  
4   TELLIGENCE.—Not later than one year after the date of  
5   the enactment of this Act, the Secretary shall delineate  
6   a definition of the term “artificial intelligence” for use  
7   within the Department.

8           (g) ARTIFICIAL INTELLIGENCE DEFINED.—In this  
9   section, the term “artificial intelligence” includes the fol-  
10   lowing:

11           (1) Any artificial system that performs tasks  
12           under varying and unpredictable circumstances with-  
13           out significant human oversight, or that can learn  
14           from experience and improve performance when ex-  
15           posed to data sets.

16           (2) An artificial system developed in computer  
17           software, physical hardware, or other context that  
18           solves tasks requiring human-like perception, cog-  
19           nition, planning, learning, communication, or phys-  
20           ical action.

21           (3) An artificial system designed to think or act  
22           like a human, including cognitive architectures and  
23           neural networks.

1           (4) A set of techniques, including machine  
2           learning, that is designed to approximate a cognitive  
3           task.

4           (5) An artificial system designed to act rationally,  
5           including an intelligent software agent or embodied  
6           robot that achieves goals using perception,  
7           planning, reasoning, learning, communicating, decision  
8           making, and acting.

## 9           **Subtitle C—Reports and Other** 10           **Matters**

### 11   **SEC. 241. REPORT ON SURVIVABILITY OF AIR DEFENSE AR-** 12           **TILLERY.**

13           (a) REPORT REQUIRED.—Not later than March 1,  
14   2019, the Secretary of the Army shall submit to the Com-  
15   mittees on Armed Services of the Senate and the House  
16   of Representatives a report on the efforts of the Army to  
17   improve the survivability of air defense artillery, with a  
18   particular focus on the efforts of the Army to improve pas-  
19   sive and active nonkinetic capabilities and training with  
20   respect to such artillery.

21           (b) ELEMENTS.—The report required under sub-  
22   section (a) shall include the following:

23           (1) An analysis of the utility of relevant passive  
24           and active non-kinetic integrated air and missile de-  
25           fense capabilities, including tactical mobility, new

1 passive and active sensors, signature reduction, con-  
2 cealment, and deception systems, and electronic war-  
3 fare and high-powered radio frequency systems.

4 (2) An analysis of the utility of relevant active  
5 kinetic capabilities, such as a new, long-range  
6 counter-maneuvering threat missile and additional  
7 indirect fire protection capability units to defend Pa-  
8 triot and Terminal High Altitude Area Defense bat-  
9 teries.

10 (c) FORM OF REPORT.—The report required under  
11 subsection (a) shall be submitted in unclassified form, but  
12 may contain a classified annex.

13 **SEC. 242. T-45 AIRCRAFT PHYSIOLOGICAL EPISODE MITIGA-**  
14 **TION ACTIONS.**

15 Section 1063(b) of the National Defense Authoriza-  
16 tion Act for Fiscal Year 2018 (131 Stat. 1576; Public  
17 Law 115–91) is amended by adding at the end the fol-  
18 lowing new paragraphs:

19 “(5) A list of all modifications to the T-45 air-  
20 craft and associated ground equipment carried out  
21 during fiscal years 2017 through 2019 to mitigate  
22 the risk of physiological episodes among T-45 crew-  
23 members.

1           “(6) The results achieved by the modifications  
2 listed pursuant to paragraph (5), as determined by  
3 relevant testing and operational activities.

4           “(7) The cost of the modifications listed pursu-  
5 ant to paragraph (5).

6           “(8) Any plans of the Navy for future modifica-  
7 tions to the T-45 aircraft that are intended to miti-  
8 gate the risk of physiological episodes among T-45  
9 crewmembers.”.

10 **SEC. 243. REPORT ON EFFORTS OF THE AIR FORCE TO**  
11 **MITIGATE PHYSIOLOGICAL EPISODES AF-**  
12 **FFECTING AIRCRAFT CREWMEMBERS.**

13       (a) REPORT REQUIRED.—Not later than March 1,  
14 2019, the Secretary of the Air Force shall submit to the  
15 congressional defense committees a report on all efforts  
16 of the Air Force to reduce the occurrence of, and mitigate  
17 the risk posed by, physiological episodes affecting crew-  
18 members of covered aircraft.

19       (b) ELEMENTS.—The report required under sub-  
20 section (a) shall include—

21           (1) information on the rate of physiological epi-  
22 sodes affecting crewmembers of covered aircraft;

23           (2) a description of the specific actions carried  
24 out by the Air Force to address such episodes, in-  
25 cluding a description of any upgrades or other modi-

1       fications made to covered aircraft to address such  
2       episodes;

3           (3) schedules and cost estimates for any up-  
4       grades or modifications identified under paragraph  
5       (3); and

6           (4) an explanation of any organizational or  
7       other changes to the Air Force carried out to ad-  
8       dress such physiological episodes.

9       (c) COVERED AIRCRAFT DEFINED.—In this section,  
10     the term “covered aircraft” means—

11           (1) F-35A aircraft of the Air Force;

12           (2) T-6A aircraft of the Air Force; and

13           (3) any other aircraft of the Air Force as deter-  
14     mined by the Secretary of the Air Force.

15     **SEC. 244. REPORT ON DEFENSE INNOVATION UNIT EXPERI-**  
16           **MENTAL.**

17       Not later than May 1, 2019, the Under Secretary of  
18     Defense for Research and Engineering shall submit to the  
19     congressional defense committees a report on Defense In-  
20     novation Unit Experimental (in this section referred to as  
21     the “Unit”). Such a report shall include the following:

22           (1) The integration of the Unit into the broader  
23     Department of Defense research and engineering  
24     community to coordinate and de-conflict activities of  
25     the Unit with similar activities of the military de-

1        departments, Defense Agencies, Department of De-  
2        fense laboratories, the Defense Advanced Research  
3        Project Agency, the Small Business Innovation Re-  
4        search Program, and other entities.

5            (2) The metrics used to measure the effective-  
6        ness of the Unit and the results of these metrics.

7            (3) The number and types of transitions by the  
8        Unit to the military departments or fielded to the  
9        warfighter.

10           (4) The impact of the Unit's initiatives, out-  
11        reach, and investments on Department of Defense  
12        access to technology leaders and technology not oth-  
13        erwise accessible to the Department including—

14            (A) identification of—

15            (i) the number of non-traditional de-  
16        fense contractors with Department of De-  
17        fense contracts or other transactions re-  
18        sulting directly from the Unit's initiatives,  
19        investments, or outreach; and

20            (ii) the number of traditional defense  
21        contractors with contracts or other trans-  
22        actions resulting directly from the Unit's  
23        initiatives;

24            (B) the number of innovations delivered  
25        into the hands of the warfighter; and

1 (C) how the Department is notifying its in-  
2 ternal components about participation in the  
3 Unit.

4 (5) The workforce strategy of the Unit, includ-  
5 ing whether the Unit has appropriate personnel au-  
6 thorities to attract and retain talent with technical  
7 and business expertise.

8 (6) How the Department of Defense is docu-  
9 menting and institutionalizing lessons learned and  
10 best practices of the Unit to alleviate the systematic  
11 problems with technology access and timely contract  
12 or other transaction execution.

13 (7) An assessment of management and bureau-  
14 cratic challenges to the effective and efficient execu-  
15 tion of the Unit's missions, especially with respect to  
16 contracting and personnel management.

17 **SEC. 245. MODIFICATION OF FUNDING CRITERIA UNDER**  
18 **HISTORICALLY BLACK COLLEGES AND UNI-**  
19 **VERSITIES AND MINORITY INSTITUTIONS**  
20 **PROGRAM.**

21 Section 2362(d) of title 10, United States Code, is  
22 amended—

23 (1) in the subsection heading, by striking “PRI-  
24 ORITY” and inserting “CRITERIA”; and

1           (2) by striking “give priority in providing” and  
2           inserting “limit”.

3 **SEC. 246. REPORT ON OA-X LIGHT ATTACK AIRCRAFT AP-**  
4 **PLICABILITY TO PARTNER NATION SUPPORT.**

5           (a) REPORT REQUIRED.—Not later than February 1,  
6 2019, the Secretary of the Air Force shall submit to the  
7 congressional defense committees a report on the OA-X  
8 light attack aircraft experiment and how the program in-  
9 corporates partner nation requirements.

10          (b) ELEMENTS.—The report under subsection (a)  
11 shall include a description of—

12           (1) how the OA-X light attack experiment will  
13 support partner nations’ low-cost counter terrorism  
14 light attack capability;

15           (2) the extent to which the attributes of afford-  
16 ability, interoperability, sustainability, and simplicity  
17 of maintenance and operations are included in the  
18 requirements for the OA-X; and

19           (3) how Federal Aviation Administration certifi-  
20 cation and a reasonable path for military type cer-  
21 tifications for commercial derivative aircraft are  
22 factored into foreign military sales for a partner na-  
23 tion.

1 **SEC. 247. REPORTS ON COMPARATIVE CAPABILITIES OF**  
2 **ADVERSARIES IN KEY TECHNOLOGY AREAS.**

3 (a) IN GENERAL.—Not later than 180 days after the  
4 date of the enactment of this Act, the Secretary of Defense  
5 shall, in coordination with the Director of the Defense In-  
6 telligence Agency, submit to the appropriate committees  
7 of Congress a set of classified reports that set forth a di-  
8 rect comparison between the capabilities of the United  
9 States in emerging technology areas and the capabilities  
10 of adversaries of the United States in such areas.

11 (b) ELEMENTS.—The reports required by subsection  
12 (a) shall include, for each technology area covered, the fol-  
13 lowing:

14 (1) An evaluation of spending by the United  
15 States and adversaries on such technology.

16 (2) An evaluation of the quantity and quality of  
17 research on such technology.

18 (3) An evaluation of the test infrastructure and  
19 workforce supporting such technology.

20 (4) An assessment of the technological progress  
21 of the United States and adversaries on such tech-  
22 nology.

23 (5) Descriptions of timelines for operational de-  
24 ployment of such technology.

25 (6) An assessment of the intent or willingness  
26 of adversaries to use such technology.

1           (c) TECHNICAL AREAS.—The Secretary shall ensure  
2 that the reports submitted under subsection (a) cover the  
3 following:

- 4           (1) Hypersonics.
- 5           (2) Artificial intelligence.
- 6           (3) Quantum information science.
- 7           (4) Directed energy weapons.
- 8           (5) Such other emerging technical areas as the  
9 Secretary considers appropriate.

10          (d) COORDINATION.—The Secretary shall prepare the  
11 reports in coordination with other appropriate officials of  
12 the intelligence community and with such other partners  
13 in the technology areas covered by the reports as the Sec-  
14 retary considers appropriate.

15          (e) APPROPRIATE COMMITTEES OF CONGRESS DE-  
16 FINED.—In this section, the term “appropriate commit-  
17 tees of Congress” means—

- 18           (1) the Committee on Armed Services and the  
19 Select Committee on Intelligence of the Senate; and
- 20           (2) the Committee on Armed Services and the  
21 Permanent Select Committee on Intelligence of the  
22 House of Representatives.

1 **SEC. 248. REPORT ON ACTIVE PROTECTION SYSTEMS FOR**  
2 **ARMORED COMBAT AND TACTICAL VEHI-**  
3 **CLES.**

4 (a) REPORT REQUIRED.—Not later than 60 days  
5 after the date of the enactment of this Act, the Secretary  
6 of the Army shall submit to the Committees on Armed  
7 Services of the Senate and the House of Representatives  
8 a report on technologies related to active protection sys-  
9 tems (APS) for armored combat and tactical vehicles.

10 (b) CONTENTS.—The report required by subsection  
11 (a) shall include the following:

12 (1) With respect to the active protection sys-  
13 tems that the Army has recently tested on the M1A2  
14 Abrams, the M2A3 Bradley, and the STRYKER,  
15 the following:

16 (A) An assessment of the effectiveness of  
17 such systems.

18 (B) Plans of the Secretary to further test  
19 such systems.

20 (C) Proposals for future development of  
21 such systems.

22 (D) A timeline for fielding such systems.

23 (2) Plans for how the Army will incorporate ac-  
24 tive protection systems into new armored combat  
25 and tactical vehicle designs, such as Mobile Protec-  
26 tion Firepower (MPF), Armored Multi-Purpose Ve-

1 hicle (AMPV), and Next Generation Combat Vehicle  
2 (NGCV).

3 **SEC. 249. NEXT GENERATION COMBAT VEHICLE.**

4 (a) **PROTOTYPE.**—The Secretary of the Army shall  
5 take appropriate actions to ensure that all necessary re-  
6 sources are planned and programmed for accelerated  
7 prototyping, component development, testing, or acquisi-  
8 tion for the Next Generation Combat Vehicle (NGCV).

9 (b) **REPORT.**—

10 (1) **IN GENERAL.**—Not later than March 1,  
11 2019, the Secretary shall submit to the Committees  
12 on Armed Services of the Senate and the House of  
13 Representatives a report on the development of the  
14 Next Generation Combat Vehicle.

15 (2) **ANALYSIS.**—

16 (A) **IN GENERAL.**—The report required by  
17 paragraph (1) shall include a thorough analysis  
18 of the requirements of the Next Generation  
19 Combat Vehicle.

20 (B) **RELEVANCE TO NATIONAL DEFENSE**  
21 **STRATEGY.**—In carrying out subparagraph (A),  
22 the Secretary shall ensure that the require-  
23 ments are relevant to the most recently pub-  
24 lished National Defense Strategy.

1 (C) THREATS AND TERRAIN.—The Sec-  
2 retary shall ensure that the analysis includes  
3 consideration of threats and terrain.

4 (D) COMPONENT TECHNOLOGIES.—The  
5 Secretary shall ensure that the analysis includes  
6 consideration of the latest enabling component  
7 technologies developed by the Tank Automotive,  
8 Research, Development, Engineering Center of  
9 the Army that have the potential to dramati-  
10 cally change basic combat vehicle design and  
11 improve lethality, protection, mobility, range,  
12 and sustainment.

13 (c) LIMITATION.—Of the funds authorized to be ap-  
14 propriated for fiscal year 2019 by section 201 and avail-  
15 able for research, development, testing, and evaluation,  
16 Army, for the Next Generation Combat Vehicle, not more  
17 than 90 percent may be obligated or expended until the  
18 Secretary submits the report required by subsection (b).

19 **SEC. 250. MODIFICATION OF REPORTS ON MECHANISMS TO**  
20 **PROVIDE FUNDS TO DEFENSE LABORA-**  
21 **TORIES FOR RESEARCH AND DEVELOPMENT**  
22 **OF TECHNOLOGIES FOR MILITARY MISSIONS.**

23 Subsection (c) of section 2363 of title 10, United  
24 States Code, is amended to read as follows:

1           “(c) RELEASE AND DISSEMINATION OF INFORMA-  
2 TION ON CONTRIBUTIONS FROM USE OF AUTHORITY TO  
3 MILITARY MISSIONS.—

4           “(1) COLLECTION OF INFORMATION.—The Sec-  
5 retary shall establish and maintain mechanisms for  
6 the continuous collection of information on achieve-  
7 ments, best practices identified, lessons learned, and  
8 challenges arising in the exercise of the authority in  
9 this section.

10           “(2) RELEASE OF INFORMATION.—The Sec-  
11 retary shall establish and maintain mechanisms as  
12 follows:

13           “(A) Mechanisms for the release to the  
14 public of information on achievements and best  
15 practices described in paragraph (1) in unclas-  
16 sified form.

17           “(B) Mechanisms for dissemination to ap-  
18 propriate civilian and military officials of infor-  
19 mation on achievements and best practices de-  
20 scribed in paragraph (1) in classified form.”.

21 **SEC. 251. BRIEFINGS ON MOBILE PROTECTED FIREPOWER**  
22 **AND FUTURE VERTICAL LIFT PROGRAMS.**

23           (a) IN GENERAL.—Not later than March 1, 2019, the  
24 Secretary of the Army shall provide a briefing to the Com-  
25 mittee on Armed Services of the Senate and the Com-

1 mittee on Armed Services of the House of Representatives  
2 on the requirements of the Army for Mobile Protected  
3 Firepower (MPF) and Future Vertical Lift (FVL).

4 (b) CONTENTS.—The briefing provided pursuant to  
5 subsection (a) shall include the following:

6 (1) With respect to the Mobile Protected Fire-  
7 power program, the following:

8 (A) An explanation of how Mobile Pro-  
9 tected Firepower could survive against the ef-  
10 fects of anti-armor and anti-aircraft networks  
11 established within anti-access, area-denial de-  
12 fenses.

13 (B) An explanation of how Mobile Pro-  
14 tected Firepower would improve offensive over-  
15 match against a peer adversary.

16 (C) Details regarding the total number of  
17 Mobile Protected Firepower systems needed by  
18 the Army.

19 (D) An explanation of how the Mobile Pro-  
20 tected Firepower system will be logistically sup-  
21 ported within light formations.

22 (E) Plans to integrate active protection  
23 systems into the designs of the Mobile Pro-  
24 tected Firepower program.

1           (2) With respect to the Future Vertical Lift  
2 program, the following:

3           (A) An explanation of how Future Vertical  
4 Lift could survive against the effects of anti-air-  
5 craft networks established within anti-access,  
6 area-denial defenses.

7           (B) An explanation of how Future Vertical  
8 Lift would improve offensive overmatch against  
9 a peer adversary.

10          (C) A review of the doctrine, organization,  
11 training, materiel, leadership, education, per-  
12 sonnel, and facilities applicable to determine the  
13 total number of Future Vertical Lift Capability  
14 Set 1 or Future Attack Reconnaissance Aircraft  
15 (FARA), required by the Army.

16          (D) An implementation plan for the estab-  
17 lishment of Future Vertical Lift, including a  
18 timeline for achieving initial and full oper-  
19 ational capability.

20          (E) A description of the budget require-  
21 ments for Future Vertical Lift to reach full  
22 operational capability, including an identifica-  
23 tion and cost of any infrastructure and equip-  
24 ment requirements.

1 (F) A detailed list of all analysis used to  
2 determine the priority of Future Vertical Lift  
3 and which programs were terminated, extended,  
4 de-scoped, or delayed in order to fund Future  
5 Vertical Lift Capability Set 1 or Future Attack  
6 Reconnaissance Aircraft in the Future Year's  
7 Defense Plan.

8 (G) An assessment of the analysis of alter-  
9 natives on the Future Vertical Lift Capability  
10 Set 3 program.

11 (H) An identification of any additional au-  
12 thorities that may be required for achieving full  
13 operational capability of Future Vertical Lift.

14 (I) Any other matters deemed relevant by  
15 the Secretary.

16 **SEC. 252. IMPROVEMENT OF THE AIR FORCE SUPPLY**  
17 **CHAIN.**

18 (a) IN GENERAL.—The Assistant Secretary of the  
19 Air Force for Acquisition, Technology, and Logistics may  
20 use funds described in subsection (b) as follows:

21 (1) For nontraditional technologies and  
22 sustainment practices (such as additive manufac-  
23 turing, artificial intelligence, predictive maintenance,  
24 and other software-intensive and software-defined  
25 capabilities) to—

1 (A) increase the availability of aircraft to  
2 the Air Force; and

3 (B) decrease backlogs and lead times for  
4 the production of parts for such aircraft.

5 (2) To advance the qualification, certification,  
6 and integration of additive manufacturing into the  
7 Air Force supply chain.

8 (3) To otherwise identify and reduce supply  
9 chain risk for the Air Force.

10 (4) To define workforce development require-  
11 ments and training for personnel who implement  
12 and support additive manufacturing for the Air  
13 Force at the warfighter, end-item designer and  
14 equipment operator, and acquisition officer levels.

15 (b) FUNDING.—Of the amounts authorized to be ap-  
16 propriated for fiscal year 2019 by section 201 for re-  
17 search, development, test, and evaluation for the Air Force  
18 and available for Tech Transition Program (Program Ele-  
19 ment (0604858F)), up to \$42,800,000 may be available  
20 as described in subsection (a).

21 **SEC. 253. REVIEW OF GUIDANCE ON BLAST EXPOSURE DUR-**  
22 **ING TRAINING.**

23 (a) INITIAL REVIEW.—Not later than 180 days after  
24 the date of the enactment of this Act, the Secretary of  
25 Defense shall review the decibel level exposure, concussive

1 effects exposure, and the frequency of exposure to heavy  
2 weapons fire of an individual during training exercises to  
3 establish appropriate limitations on such exposures.

4 (b) ELEMENTS.—The review required by subsection  
5 (a) shall take into account current data and evidence on  
6 the cognitive effects of blast exposure and shall include  
7 consideration of the following:

8 (1) The impact of exposure over multiple suc-  
9 cessive days of training.

10 (2) The impact of multiple types of heavy weap-  
11 ons being fired in close succession.

12 (3) The feasibility of cumulative annual or life-  
13 time exposure limits.

14 (4) The minimum safe distance for observers  
15 and instructors.

16 (c) UPDATED TRAINING GUIDANCE.—Not later than  
17 180 days after the date of the completion of the review  
18 under subsection (a), each Secretary of a military depart-  
19 ment shall update any relevant training guidance to ac-  
20 count for the conclusions of the review.

21 (d) UPDATED REVIEW.—

22 (1) IN GENERAL.—Not later than two years  
23 after the initial review conducted under subsection  
24 (a), and not later than two years thereafter, the Sec-  
25 retary of Defense shall conduct an updated review

1 under such subsection, including consideration of the  
2 matters set forth under subsection (b), and update  
3 training guidance under subsection (c).

4 (2) CONSIDERATION OF NEW RESEARCH AND  
5 EVIDENCE.—Each updated review conducted under  
6 paragraph (1) shall take into account new research  
7 and evidence that has emerged since the previous re-  
8 view.

9 (e) BRIEFING REQUIRED.—The Secretary of Defense  
10 shall brief the Committees on Armed Services of the Sen-  
11 ate and the House of Representatives on a summary of  
12 the results of the initial review under subsection (a), each  
13 updated review conducted under subsection (d), and any  
14 updates to training guidance and procedures resulting  
15 from any such review or updated review.

16 **SEC. 254. COMPETITIVE ACQUISITION STRATEGY FOR**  
17 **BRADLEY FIGHTING VEHICLE TRANSMISSION**  
18 **REPLACEMENT.**

19 (a) PLAN REQUIRED.—The Secretary of the Army  
20 shall develop a strategy to competitively procure a new  
21 transmission for the Bradley Fighting Vehicle family of  
22 vehicles.

23 (b) ADDITIONAL STRATEGY REQUIREMENTS.—The  
24 plan required by subsection (a) shall include the following:



1 vate scientific advisory group known as “JASON” to  
2 perform the services covered by this section.

3 (2) TIMING.—The Secretary shall seek to enter  
4 into the agreement described in paragraph (1) not  
5 later than 120 days after the date of the enactment  
6 of this Act.

7 (b) INDEPENDENT ASSESSMENT.—Under an agree-  
8 ment between the Secretary and JASON under this sec-  
9 tion, JASON shall—

10 (1) assess the strategies, programs, order of  
11 battle, and doctrine of the Department of Defense  
12 related to the electronic warfare mission area and  
13 electromagnetic spectrum operations;

14 (2) assess the strategies, programs, order of  
15 battle, and doctrine of potential adversaries, such as  
16 China, Iran, and the Russian Federation, related to  
17 the same;

18 (3) develop recommendations for improvements  
19 to the strategies, programs, and doctrine of the De-  
20 partment of Defense in order to enable the United  
21 States to achieve and maintain superiority in the  
22 electromagnetic spectrum in future conflicts; and

23 (4) develop recommendations for the Secretary,  
24 Congress, and such other Federal entities as

1 JASON considers appropriate, including rec-  
2 ommendations for—

3 (A) closing technical, policy, or resource  
4 gaps;

5 (B) improving cooperation and appropriate  
6 integration within the Department of Defense  
7 entities;

8 (C) improving cooperation between the  
9 United States and other countries and inter-  
10 national organizations as appropriate; and

11 (D) such other important matters identi-  
12 fied by JASON that are directly relevant to the  
13 strategies of the Department of Defense de-  
14 scribed in paragraph (3).

15 (c) LIAISONS.—The Secretary shall appoint appro-  
16 priate liaisons to JASON to support the timely conduct  
17 of the services covered by this section.

18 (d) MATERIALS.—The Secretary shall provide access  
19 to JASON to materials relevant to the services covered  
20 by this section, consistent with the protection of sources  
21 and methods and other critically sensitive information.

22 (e) CLEARANCES.—The Secretary shall ensure that  
23 appropriate members and staff of JASON have the nec-  
24 essary clearances, obtained in an expedited manner, to  
25 conduct the services covered by this section.

1 (f) REPORT.—Not later than October 1, 2019, the  
2 Secretary shall submit to the congressional defense com-  
3 mittees a report on—

4 (1) the findings of JASON with respect to the  
5 assessments carried out under subsection (b); and

6 (2) the recommendations developed by JASON  
7 pursuant to such subsection.

8 (g) ALTERNATE CONTRACT SCIENTIFIC ORGANIZA-  
9 TION.—

10 (1) IN GENERAL.—If the Secretary is unable  
11 within the period prescribed in paragraph (2) of sub-  
12 section (a) to enter into an agreement described in  
13 paragraph (1) of such subsection with JASON on  
14 terms acceptable to the Secretary, the Secretary  
15 shall seek to enter into such agreement with another  
16 appropriate scientific organization that—

17 (A) is not part of the government; and

18 (B) has expertise and objectivity com-  
19 parable to that of JASON.

20 (2) TREATMENT.—If the Secretary enters into  
21 an agreement with another organization as described  
22 in paragraph (1), any reference in this section to  
23 JASON shall be treated as a reference to the other  
24 organization.

1       **TITLE III—OPERATION AND**  
2                   **MAINTENANCE**

## Subtitle A—Authorization of Appropriations

Sec. 301. Authorization of appropriations.

## Subtitle B—Energy and Environment

Sec. 311. Explosive Ordnance Disposal Defense Program.

Sec. 312. Further improvements to energy security and resilience.

Sec. 313. Use of proceeds from sales of electrical energy derived from geothermal resources for projects at military installations where resources are located.

Sec. 314. Operational energy policy.

Sec. 315. Funding of study and assessment of health implications of per- and polyfluoroalkyl substances contamination in drinking water by agency for toxic substances and disease registry.

Sec. 316. Extension of authorized periods of permitted incidental takings of marine mammals in the course of specified activities by Department of Defense.

Sec. 317. Department of Defense environmental restoration programs.

Sec. 318. Joint study on the impact of wind farms on weather radars and military operations.

Sec. 319. Core sampling at Joint Base San Antonio, Texas.

Sec. 320. Production and use of natural gas at Fort Knox, Kentucky.

## Subtitle C—Logistics and Sustainment

Sec. 321. Authorizing use of working capital funds for unspecified minor military construction projects related to revitalization and recapitalization of defense industrial base facilities.

Sec. 322. Examination of Navy vessels.

Sec. 323. Limitation on length of overseas forward deployment of naval vessels.

Sec. 324. Temporary modification of workload carryover formula.

Sec. 325. Limitation on use of funds for implementation of elements of master plan for redevelopment of Former Ship Repair Facility in Guam.

Sec. 326. Business case analysis for proposed relocation of J85 Engine Regional Repair Center.

Sec. 327. Report on pilot program for micro-reactors.

Sec. 328. Limitation on modifications to Navy Facilities Sustainment, Restoration, and Modernization structure and mechanism.

## Subtitle D—Reports

Sec. 331. Reports on readiness.

Sec. 332. Matters for inclusion in quarterly reports on personnel and unit readiness.

Sec. 333. Annual Comptroller General reviews of readiness of Armed Forces to conduct full spectrum operations.

Sec. 334. Surface warfare training improvement.

Sec. 335. Report on optimizing surface Navy vessel inspections and crew certifications.

Sec. 336. Report on depot-level maintenance and repair.



1                   **Subtitle B—Energy and**  
2                   **Environment**

3   **SEC. 311. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE PRO-**  
4                   **GRAM.**

5           (a) IN GENERAL.—Chapter 136 of title 10, United  
6 States Code, as amended by section 851, is further amend-  
7 ed by inserting after section 2283, as added by such sec-  
8 tion 851, the following new section:

9   **“SEC. 2284. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE**  
10                   **PROGRAM.**

11           “(a) IN GENERAL.—The Secretary of Defense shall  
12 carry out a program to be known as the ‘Explosive Ord-  
13 nance Disposal Defense Program’ (in this section referred  
14 to as the ‘Program’) under which the Secretary shall en-  
15 sure close and continuous coordination between military  
16 departments on matters relating to explosive ordnance dis-  
17 posal support for commanders of geographic and func-  
18 tional combatant commands.

19           “(b) ROLES, RESPONSIBILITIES, AND AUTHORI-  
20 TIES.—The plan under subsection (a) shall include provi-  
21 sions under which—

22                   “(1) the Secretary of Defense shall—

23                           “(A) assign the responsibility for the direc-  
24 tion, coordination, integration of the Program

1 within the Department of Defense to an Assist-  
2 ant Secretary of Defense;

3 “(B) the Assistant Secretary of Defense to  
4 whom responsibility is assigned under para-  
5 graph (1) shall serve as the key individual for  
6 the Program responsible for developing and  
7 overseeing policy, plans, programs, and budgets,  
8 and issuing guidance and providing direction on  
9 Department of Defense explosive ordnance dis-  
10 posal activities;

11 “(C) designate the Secretary of the Navy,  
12 or a designee of the Secretary’s choice, as the  
13 executive agent for the Department of Defense  
14 responsible for providing oversight of the joint  
15 program executive officer who coordinates and  
16 integrates joint requirements for explosive ord-  
17 nance disposal and carries out joint research,  
18 development, test, and evaluation and procure-  
19 ment activities on behalf of the military depart-  
20 ments and combatant commands with respect  
21 to explosive ordnance disposal;

22 “(D) designate a combat support agency to  
23 exercise fund management responsibility of the  
24 Department of Defense-wide program element  
25 for explosive ordnance disposal research, devel-

1           opment, test, and evaluation, transactions other  
2           than contracts, cooperative agreements, and  
3           grants related to section 2371 of this title dur-  
4           ing research projects including rapid proto-  
5           typing and limited procurement urgent activi-  
6           ties, and acquisition; and

7           “(E) designate an Army explosive ord-  
8           nance disposal-qualified general officer from the  
9           combat support agency designated under sub-  
10          paragraph (D) to serve as the Chairman of the  
11          Department of Defense explosive ordnance dis-  
12          posal defense program board; and

13          “(2) the Secretary of each military department  
14          shall assess the needs of the military department  
15          concerned with respect to explosive ordnance dis-  
16          posal and may carry out research, development, test,  
17          and evaluation activities, including other trans-  
18          actions and procurement activities to address mili-  
19          tary department unique needs such as weapon sys-  
20          tems, manned and unmanned vehicles and platforms,  
21          cyber and communication equipment, and the inte-  
22          gration of explosive ordnance disposal sets, kits and  
23          outfits and explosive ordnance disposal tools, equip-  
24          ment, sets, kits, and outfits developed by the depart-  
25          ment.

1       “(c) ANNUAL BUDGET JUSTIFICATION DOCU-  
2 MENTS.—

3           “(1) For fiscal year 2021 and each fiscal year  
4 thereafter, the Secretary of Defense shall submit to  
5 Congress with the defense budget materials a con-  
6 solidated budget justification display, in classified  
7 and unclassified form, that includes all of activities  
8 of the Department of Defense relating to the Pro-  
9 gram.

10          “(2) The budget display under paragraph (1)  
11 for a fiscal year shall include a single program ele-  
12 ment for each of the following:

13           “(A) Civilian and military pay.

14           “(B) Research, development, test, and  
15 evaluation.

16           “(C) Procurement.

17           “(D) Other transaction agreements.

18           “(E) Military construction.

19          “(3) The budget display shall include funding  
20 data for each of the military department’s respective  
21 activities related to explosive ordnance disposal, in-  
22 cluding—

23           “(A) operation and maintenance; and

24           “(B) overseas contingency operations.”.

1 (b) CLERICAL AMENDMENT.—The table of sections  
2 at the beginning of such chapter, as amended by section  
3 851, is further amended by inserting after the item relat-  
4 ing to section 2283, as added by such section 851, the  
5 following new section:

“2284. Explosive Ordnance Disposal Defense Program.”.

6 **SEC. 312. FURTHER IMPROVEMENTS TO ENERGY SECURITY**  
7 **AND RESILIENCE.**

8 (a) ENERGY POLICY AUTHORITY.—Section 2911(b)  
9 of title 10, United States Code, is amended—

10 (1) by redesignating paragraphs (1), (2), and  
11 (3) as paragraphs (3), (4), and (5), respectively; and

12 (2) by inserting before paragraph (3), as so re-  
13 designated, the following new paragraphs:

14 “(1) establish metrics and standards for the as-  
15 sessment of energy resilience;

16 “(2) require the Secretary of a military depart-  
17 ment to perform mission assurance and readiness  
18 assessments of energy power systems for mission  
19 critical assets and supporting infrastructure, apply-  
20 ing uniform mission standards established by the  
21 Secretary of Defense;”.

22 (b) REPORTING ON ENERGY SECURITY AND RESIL-  
23 IENCE GOALS.—Section 2911(c) of title 10, United States  
24 Code, is amended by adding at the end the following new  
25 paragraph:

1           “(3) The Secretary of Defense shall include the en-  
2   ergy security and resilience goals of the Department of  
3   Defense in the installation energy report submitted under  
4   section 2925(a) of this title for fiscal year 2018 and every  
5   fiscal year thereafter. In the development of energy secu-  
6   rity and resilience goals, the Department of Defense shall  
7   conform with the definitions of energy security and resil-  
8   ience under this title. The report shall include the amount  
9   of critical energy load, together with the level of avail-  
10   ability and reliability by fiscal year the Department of De-  
11   fense deems necessary to achieve energy security and resil-  
12   ience.”.

13           (c) REPORTING ON INSTALLATIONS ENERGY MAN-  
14   AGEMENT, ENERGY RESILIENCE, AND MISSION ASSUR-  
15   ANCE.—Section 2925(a) of title 10, United States Code,  
16   is amended—

17           (1) by inserting “, including progress on energy  
18   resilience at military installations according to  
19   metrics developed by the Secretary” after “under  
20   section 2911 of this title”;

21           (2) in paragraph (3), by striking “the mission  
22   requirements associated with disruption tolerances  
23   based on risk to mission” and inserting “the  
24   downtimes (in minutes or hours) these missions can

1 afford based on their mission requirements and risk  
2 tolerances”;

3 (3) in paragraph (4), by inserting “(including  
4 critical energy loads in megawatts and the associ-  
5 ated downtime tolerances for critical energy loads)”  
6 after “energy requirements and critical energy re-  
7 quirements”;

8 (4) by redesignating paragraph (5) as para-  
9 graph (7); and

10 (5) by inserting after paragraph (4) the fol-  
11 lowing new paragraphs:

12 “(5) A list of energy resilience projects awarded  
13 by the Department of Defense by military depart-  
14 ment and military installation, whether appropriated  
15 or alternative financed for the reporting fiscal year,  
16 including project description, award date, the critical  
17 energy requirements serviced (including critical en-  
18 ergy loads in megawatts), expected reliability of the  
19 project (as indicated in the awarded contract), life  
20 cycle costs, savings to investment, fuel type, and the  
21 type of appropriation or alternative financing used.

22 “(6) A list of energy resilience projects planned  
23 by the Department of Defense by military depart-  
24 ment and military installation, whether appropriated  
25 or alternative financed for the next two fiscal years,

1 including project description, fuel type, expected  
2 award date, and the type of appropriation or alter-  
3 native financing expected for use.”.

4 (d) INCLUSION OF ENERGY SECURITY AND RESIL-  
5 IENCE AS PRIORITIES IN CONTRACTS FOR ENERGY OR  
6 FUEL FOR MILITARY INSTALLATIONS.—Section 2922a(d)  
7 of title 10, United States Code, is amended to read as  
8 follows:

9 “(d) The Secretary concerned shall ensure energy se-  
10 curity and resilience are prioritized and included in the  
11 provision and operation of energy production facilities  
12 under this section.”.

13 (e) CONVEYANCE AUTHORITY FOR UTILITY SYS-  
14 TEMS.—Section 2688 of title 10, United States Code, is  
15 amended—

16 (1) in subsection (d)(2), by adding at the end  
17 the following: “The business case analysis must also  
18 demonstrate how a privatized system will operate in  
19 a manner consistent with subsection (g)(3).”; and

20 (2) in subsection (g)(3)—

21 (A) by striking “may require” and insert-  
22 ing “shall require”; and

23 (B) by striking “consistent with energy re-  
24 siliance requirements and metrics” and insert-  
25 ing “consistent with energy resilience and cy-

1           bersecurity requirements and associated  
2           metrics”.

3           (f) MODIFICATION OF ENERGY RESILIENCE DEFINI-  
4 TION.—Section 101(e)(6) of title 10, United States Code,  
5 is amended by striking “task critical assets and other”.

6           (g) AUTHORITY TO ACCEPT ENERGY PERFORMANCE  
7 FINANCIAL INCENTIVES FROM STATE AND LOCAL GOV-  
8 ERNMENTS.—Section 2913(e) of title 10, United States  
9 Code, is amended by inserting “a State or local govern-  
10 ment” after “generally available from”.

11          (h) USE OF ENERGY COST SAVINGS TO IMPLEMENT  
12 ENERGY RESILIENCE AND ENERGY CONSERVATION CON-  
13 STRUCTION PROJECTS.—Section 2912(b)(1) of title 10,  
14 United States Code, is amended by inserting “, including  
15 energy resilience and energy conservation construction  
16 projects,” after “energy security measures”.

17          (i) ADDITIONAL BASIS FOR PRESERVATION OF PROP-  
18 ERTY IN THE VICINITY OF MILITARY INSTALLATIONS IN  
19 AGREEMENTS WITH NON-FEDERAL ENTITIES ON USE OF  
20 SUCH PROPERTY.—Section 2684a(a)(2)(B) of title 10,  
21 United States Code, is amended—

22           (1) by striking “(B)” and inserting “(B)(i)”;  
23           and

24           (2) by adding at the end of the following new  
25           clause:

1                   “(ii) maintains or improves military instal-  
2                   lation resilience; or”.

3 **SEC. 313. USE OF PROCEEDS FROM SALES OF ELECTRICAL**  
4 **ENERGY DERIVED FROM GEOTHERMAL RE-**  
5 **SOURCES FOR PROJECTS AT MILITARY IN-**  
6 **STALLATIONS WHERE RESOURCES ARE LO-**  
7 **CATED.**

8           Subsection (b) of section 2916 of title 10, United  
9 States Code, is amended—

10           (1) in paragraph (1), by striking “Proceeds”  
11           and inserting “Except as provided in paragraph (3),  
12           proceeds”; and

13           (2) by adding at the end the following new  
14           paragraph:

15           “(3) In the case of proceeds from a sale of electrical  
16 energy generated from any geothermal energy resource—

17           “(A) 50 percent shall be credited to the appro-  
18 priation account described in paragraph (1); and

19           “(B) 50 percent shall be deposited in a special  
20 account in the Treasury established by the Secretary  
21 concerned which shall be available, for military con-  
22 struction projects described in paragraph (2) or for  
23 installation energy or water security projects directly  
24 coordinated with local area energy or groundwater

1 governing authorities, for the military installation in  
2 which the geothermal energy resource is located.”.

3 **SEC. 314. OPERATIONAL ENERGY POLICY.**

4 (a) IN GENERAL.—Section 2926 of title 10, United  
5 States Code, is amended—

6 (1) by redesignating subsections (a), (b), (c),  
7 and (d) as subsections (c), (d), (e), (f), respectively;

8 (2) by inserting before subsection (c), as redес-  
9 igned by paragraph (1), the following new sub-  
10 sections:

11 “(a) OPERATIONAL ENERGY POLICY.—In carrying  
12 out section 2911(a) of this title, the Secretary of Defense  
13 shall ensure the types, availability, and use of operational  
14 energy promote the readiness of the armed forces for their  
15 military missions.

16 “(b) AUTHORITIES.—The Secretary of Defense  
17 may—

18 “(1) require the Secretary of a military depart-  
19 ment or the commander of a combatant command to  
20 assess the energy supportability of systems, capabili-  
21 ties, and plans;

22 “(2) authorize the use of energy security, cost  
23 of backup power, and energy resilience as factors in  
24 the cost-benefit analysis for procurement of oper-  
25 ational equipment; and

1           “(3) in selecting equipment that will use oper-  
2           ational energy, give favorable consideration to the  
3           acquisition of equipment that enhances energy secu-  
4           rity, energy resilience, energy conservation, and re-  
5           duces logistical vulnerabilities.”; and

6           (3) in subsection (c), as redesignated by sub-  
7           paragraph (A)—

8           (A) in the subsection heading, by striking  
9           “ALTERNATIVE FUEL ACTIVITIES” and insert-  
10          ing “FUNCTIONS OF THE ASSISTANT SEC-  
11          RETARY OF DEFENSE FOR ENERGY, INSTALLA-  
12          TIONS, AND ENVIRONMENT”;

13          (B) by striking “heads of the military de-  
14          partments and the Assistant Secretary of De-  
15          fense for Research and Engineering” and in-  
16          serting “heads of the appropriate Department  
17          of Defense components”;

18          (C) in paragraph (1), by striking “lead the  
19          alternative fuel activities” and inserting “over-  
20          see the operational energy activities”;

21          (D) in paragraph (2), by striking “regard-  
22          ing the development of alternative fuels by the  
23          military departments and the Office of the Sec-  
24          retary of Defense” and inserting “regarding the  
25          policies and investments that affect the use of

1 operational energy across the Department of  
2 Defense”;

3 (E) in paragraph (3), by striking “pre-  
4 scribe policy to streamline the investments in  
5 alternative fuel activities across the Department  
6 of Defense” and inserting “recommend to the  
7 Secretary policy to improve warfighting capa-  
8 bility through energy security and energy resil-  
9 ience”; and

10 (F) in paragraph (5), by striking “sub-  
11 section (e)(4)” and inserting “subsection  
12 (e)(4)”.

13 (b) CONFORMING AMENDMENTS.—(1) Section  
14 2925(b)(1) of title 10, United States Code, is amended  
15 by striking “section 2926(b)” and inserting “section  
16 2926(d)”.

17 (2) Section 1061(c)(55) of the National Defense Au-  
18 thorization Act for Fiscal Year 2017 (Public Law 114–  
19 328; 10 U.S.C. 111 note) is amended by striking “Section  
20 2926(c)(4)” and inserting “Section 2926(e)(4)”.

1 **SEC. 315. FUNDING OF STUDY AND ASSESSMENT OF**  
2 **HEALTH IMPLICATIONS OF PER- AND**  
3 **POLYFLUOROALKYL SUBSTANCES CONTAMI-**  
4 **NATION IN DRINKING WATER BY AGENCY**  
5 **FOR TOXIC SUBSTANCES AND DISEASE REG-**  
6 **ISTRY.**

7 (a) **FUNDING.**—Paragraph (2) of section 316(a) of  
8 the National Defense Authorization Act for Fiscal Year  
9 2018 (Public Law 115–91) is amended to read as follows:

10 “(2) **FUNDING.**—

11 “(A) **SOURCE OF FUNDS.**—The study and  
12 assessment performed pursuant to this section  
13 may be paid for using funds authorized to be  
14 appropriated to the Department of Defense  
15 under the heading ‘Operation and Maintenance,  
16 Defense-Wide’.

17 “(B) **TRANSFER AUTHORITY.**—(i) Of the  
18 amounts authorized to be appropriated for the  
19 Department of Defense for fiscal year 2018,  
20 not more than \$10,000,000 shall be transferred  
21 by the Secretary of Defense, without regard to  
22 section 2215 of title 10, United States Code, to  
23 the Secretary of Health and Human Services to  
24 pay for the study and assessment required by  
25 this section.

1           “(ii) Without regard to section 2215 of  
2 title 10, United States Code, the Secretary of  
3 Defense may transfer not more than  
4 \$10,000,000 a year during fiscal years 2019  
5 and 2020 to the Secretary of Health and  
6 Human Services to pay for the study and as-  
7 sessment required by this section.

8           “(C) EXPENDITURE AUTHORITY.—  
9 Amounts transferred to the Secretary of Health  
10 and Human Services shall be used to carry out  
11 the study and assessment under this section  
12 through contracts, cooperative agreements, or  
13 grants. In addition, such funds may be trans-  
14 ferred by the Secretary of Health and Human  
15 Services to other accounts of the Department  
16 for the purposes of carrying out this section.

17           “(D) RELATIONSHIP TO OTHER TRANSFER  
18 AUTHORITIES.—The transfer authority provided  
19 under this paragraph is in addition to any other  
20 transfer authority available to the Department  
21 of Defense.”.

22           (b) REPORT TO CONGRESS ON DEPARTMENT OF DE-  
23 FENSE ASSESSMENT AND REMEDIATION PLAN.—Not  
24 later than 180 days after the date on which the Adminis-  
25 trator of the Environmental Protection Agency establishes

1 a maximum contaminant level for per- and polyfluoroalkyl  
2 substances (PFAS) contamination in drinking water in a  
3 national primary drinking water regulation under section  
4 1412 of the Safe Drinking Water Act (42 U.S.C. 300g-  
5 1), the Secretary of Defense shall submit to the congres-  
6 sional defense committees a report containing a plan to—

7 (1) assess any contamination at Department of  
8 Defense installations and surrounding communities  
9 that may have occurred from PFAS usage by the  
10 Department of Defense;

11 (2) identify any remediation actions the Depart-  
12 ment plans to undertake using the maximum con-  
13 taminant level established by the Environmental  
14 Protection Agency;

15 (3) provide an estimate of the cost of such re-  
16 mediation and a schedule for accomplishing such re-  
17 mediation; and

18 (4) provide an assessment of past expenditures  
19 by local water authorities to address contamination  
20 before the Environmental Protection Agency estab-  
21 lished a maximum contaminant level and an esti-  
22 mate of the cost to reimburse communities that re-  
23 mediated water to a level not greater than such  
24 level.

1           (c) ASSESSMENT OF HEALTH EFFECTS OF PFAS  
2 EXPOSURE.—The Secretary of Defense shall conduct an  
3 assessment of the human health implications of PFAS ex-  
4 posure. Such assessment shall include—

5           (1) a meta-analysis that considers the current  
6 scientific evidence base linking the health effects of  
7 PFAS on individuals who served as members of the  
8 Armed Forces and were exposed to PFAS at mili-  
9 tary installations;

10           (2) an estimate of the number of members of  
11 the Armed Forces and veterans who may have been  
12 exposed to PFAS while serving in the Armed Forces;

13           (3) the development of a process that would fa-  
14 cilitate the transfer between the Department of De-  
15 fense and the Department of Veterans Affairs of  
16 health information of individuals who served in the  
17 Armed Forces and may have been exposed to PFAS  
18 during such service; and

19           (4) a description of the amount of funding that  
20 would be required to administer a potential registry  
21 of individuals who may have been exposed to PFAS  
22 while serving in the Armed Forces.

1 **SEC. 316. EXTENSION OF AUTHORIZED PERIODS OF PER-**  
2 **MITTED INCIDENTAL TAKINGS OF MARINE**  
3 **MAMMALS IN THE COURSE OF SPECIFIED AC-**  
4 **TIVITIES BY DEPARTMENT OF DEFENSE.**

5 Section 101(a)(5)(A) of the Marine Mammal Protec-  
6 tion Act of 1972 (16 U.S.C. 1371(a)(5)(A)) is amended—

7 (1) in clause (i), by striking “Upon request”  
8 and inserting “Except as provided by clause (ii),  
9 upon request”;

10 (2) by redesignating clauses (ii) and (iii) as  
11 clauses (iii) and (iv), respectively; and

12 (3) by inserting after clause (i) the following  
13 new clause (ii):

14 “(ii) In the case of a military readiness activity (as  
15 defined in section 315(f) of the Bob Stump National De-  
16 fense Authorization Act for Fiscal Year 2003 (Public Law  
17 107–314; 16 U.S.C. 703 note), clause (i) shall be ap-  
18 plied—

19 “(I) in the matter preceding clause (I), by sub-  
20 stituting ‘seven consecutive years’ for ‘five consecu-  
21 tive years’; and

22 “(II) in clause (I), by substituting ‘seven-year’  
23 for ‘five-year’.”.

1 **SEC. 317. DEPARTMENT OF DEFENSE ENVIRONMENTAL**  
2 **RESTORATION PROGRAMS.**

3 (a) FINDINGS.—Congress makes the following find-  
4 ings:

5 (1) The Department of Defense has identified  
6 nearly 39,500 sites that fall under the installation  
7 restoration program sites and munitions response  
8 sites.

9 (2) The installation response program addresses  
10 contamination from hazardous substances, pollut-  
11 ants, or contaminants and active military installa-  
12 tions, formerly used defense site properties, and base  
13 realignment and closure locations in the United  
14 States.

15 (3) Munitions response sites are known or sus-  
16 pected to contain unexploded ordnance, discarded  
17 military munitions, or munitions constitutes are ad-  
18 dressed through the military munitions response  
19 program.

20 (4) The installation restoration program sites  
21 and munitions response sites have had significant  
22 impacts on state and local governments that have  
23 had to bear the increased costs of environmental  
24 degradation, notably groundwater contamination,  
25 and local populations that have had to live with the  
26 consequences of contaminated drinking, including in-

1        creased health concerns and decreasing property val-  
2        ues.

3            (5) Through the end of fiscal year 2017, the  
4        Department of Defense had achieved response com-  
5        plete at 86 percent of installation restoration pro-  
6        gram sites and munitions response sites, but  
7        projects that it will fall short of meeting its goal of  
8        90 percent by the end of fiscal year 2018.

9            (6) The fiscal year 2019 budget request for en-  
10        vironmental restoration and base realignment and  
11        closure amounted to nearly \$1,318,320,000, a de-  
12        crease of \$53,429,000 from the amount authorized  
13        in the National Defense Authorization Act for Fiscal  
14        Year 2018 (Public Law 115–91).

15        (b) SENSE OF CONGRESS.—It is the sense of Con-  
16        gress that—

17            (1) the environmental restoration and base re-  
18        alignment and closure programs are important for  
19        the protection of the environment, the health of the  
20        military and civilian personnel and their families  
21        who live and work on military installations, to en-  
22        sure that current and legacy military operations do  
23        not adversely affect the health or environments of  
24        surrounding communities;

1           (2) the Department of Defense and the Armed  
2 Forces should seek to reduce the financial burden on  
3 state and local government who are bearing signifi-  
4 cant costs of cleanup stemming from defense related  
5 activities;

6           (3) the Department of Defense and the Armed  
7 Forces should expedite and streamline cleanup at lo-  
8 cations where contamination is having a direct im-  
9 pact on civilian access to clean drinking water;

10          (4) the Department of Defense and the Armed  
11 Forces should continue to engage with and help  
12 allay local community concerns about the safety of  
13 the drinking water due to environmental degradation  
14 caused by defense related activities; and

15          (5) the Department of Defense should seek op-  
16 portunities to accelerate environmental restoration  
17 efforts where feasible, to include programming addi-  
18 tional resources for response actions, investing in  
19 technology solutions that may expedite response ac-  
20 tions, improving contracting procedures, increasing  
21 contracting capacity, and seeking opportunities for  
22 partnerships and other cooperative approaches.

1 **SEC. 318. JOINT STUDY ON THE IMPACT OF WIND FARMS**  
2 **ON WEATHER RADARS AND MILITARY OPER-**  
3 **ATIONS.**

4 (a) IN GENERAL.—The Secretary of Defense shall  
5 enter into an arrangement with the National Oceanic and  
6 Atmospheric Administration to conduct a study on how  
7 to improve existing National Oceanic and Atmospheric Ad-  
8 ministration and National Weather Service tools to reflect  
9 the latest data and policies to improve consistency in  
10 weather radars, with a focus on a research and develop-  
11 ment and field test evaluation program to validate existing  
12 mitigation options and develop additional options for  
13 weather radar impact, in collaboration with the National  
14 Weather Service, the Department of Energy, and the Fed-  
15 eral Aviation Administration, and with input from aca-  
16 demia and industry.

17 (b) ELEMENTS.—The study required pursuant to  
18 subsection (a) shall include the following:

19 (1) The potential impacts of wind farms on  
20 NEXRAD radars and other Federal radars for  
21 weather forecasts and warnings used by the Depart-  
22 ment of Defense, the National Oceanic and Atmos-  
23 pheric Administration, and the National Weather  
24 Service.

25 (2) Recommendations to reduce, mitigate, or  
26 eliminate the potential impacts.

1           (3) Recommendations for addressing the im-  
2           pacts to NEXRADs and weather radar due to in-  
3           creasing turbine heights.

4           (4) Recommendations to ensure wind farms do  
5           not impact the ability of the National Oceanic and  
6           Atmospheric Administration and the National  
7           Weather Service to warn or forecast hazardous  
8           weather.

9           (5) The cumulative impacts of multiple wind  
10          farms near a single radar on the ability of the Na-  
11          tional Oceanic and Atmospheric Administration and  
12          the National Weather Service to warn or forecast  
13          hazardous weather.

14          (6) An analysis of whether certain wind turbine  
15          projects, based on project layout, turbine orienta-  
16          tion, number of turbines, density of turbines, prox-  
17          imity to radar, or turbine height result in greater  
18          impacts to the missions of Department of Defense,  
19          the National Oceanic and Atmospheric Administra-  
20          tion, and the National Weather Service, and if so,  
21          how can those projects be better cited to reduce or  
22          eliminate NEXRAD impacts.

23          (7) Case studies where the Department of De-  
24          fense, the National Weather Service, and industry  
25          have worked together to implement solutions.

1           (8) Mitigation options, including software and  
2 hardware upgrades, which the National Oceanic and  
3 Atmospheric Administration and the National  
4 Weather Service have researched and analyzed, and  
5 the results of such research and analysis.

6           (9) A review of mitigation research performed  
7 to date by the Government and or academia.

8           (10) Identification of future research opportuni-  
9 ties, requirements, and recommendations for the  
10 SENSR program to mitigate energy development.

11       (c) SUBMITTAL TO CONGRESS.—Not later than 12  
12 months after the date of the enactment of this Act, the  
13 Secretary shall submit to the congressional defense com-  
14 mittees a report on the study conducted pursuant to sub-  
15 section (a).

16 **SEC. 319. CORE SAMPLING AT JOINT BASE SAN ANTONIO,**  
17 **TEXAS.**

18       (a) SITE INVESTIGATION REQUIRED.—The Secretary  
19 of the Air Force shall conduct a core sampling study along  
20 the proposed route of the W-6 wastewater treatment line  
21 on Air Force real property, in compliance with best engi-  
22 neering practices, to determine if any regulated or haz-  
23 ardous substances are present in the soil along the pro-  
24 posed route.

1 (b) REPORT REQUIRED.—Not later than 15 months  
2 after the date of the enactment of this Act, the Secretary  
3 of the Air Force shall submit to the Committees on Armed  
4 Services of the Senate and the House of Representatives  
5 a report on the results of the core samples taken pursuant  
6 to subsection (a).

7 **SEC. 320. PRODUCTION AND USE OF NATURAL GAS AT**  
8 **FORT KNOX, KENTUCKY.**

9 (a) AUTHORITY.—

10 (1) IN GENERAL.—The Secretary of the Army  
11 is authorized to continue production, treatment,  
12 management, and use of the natural gas from cov-  
13 ered wells at Fort Knox, without regard to section  
14 3 of the Mineral Leasing Act for Acquired Lands  
15 (30 U.S.C. 352), with the limitation that the Sec-  
16 retary of the Army shall comply with the Mineral  
17 Leasing Act, Mineral Leasing Act for Acquired  
18 Lands, and the Federal Oil and Gas Royalty Man-  
19 agement Act, for additional oil or natural gas drill-  
20 ing operations and production activities beyond the  
21 production from the covered wells at Fort Knox.

22 (2) CONTRACT AUTHORITY.—The Secretary is  
23 authorized to enter into a contract with an appro-  
24 priate entity to carry out paragraph (1), with the  
25 limitation that the authority provided in this section

1 does not affect or authorize any interference with  
2 the Muldraugh Gas Storage Facility at Fort Knox.

3 (b) ROYALTIES TO THE STATE OF KENTUCKY.—

4 (1) IN GENERAL.—In implementing this sec-  
5 tion—

6 (A) The Secretary of the Interior shall cal-  
7 culate the value of royalty payments, calculated  
8 on a calendar year basis beginning on the date  
9 of enactment of this section, that the State of  
10 Kentucky would have received under the Min-  
11 eral Leasing Act for Acquired Lands (30  
12 U.S.C. 352) for future natural gas produced at  
13 Fort Knox under the authority of this section  
14 as though the natural gas had been produced  
15 under the Mineral Leasing Act for Acquired  
16 Lands, and provide the calculation to the Sec-  
17 retary of the Army.

18 (B) Upon request of the Secretary of the  
19 Interior, the Secretary of the Army or its con-  
20 tractor shall promptly provide all information,  
21 documents, or other materials the Secretary of  
22 the Interior deems necessary to conduct this  
23 calculation.

24 (C) The Secretary of the Army shall pay to  
25 the Treasury of the United States the value of

1 royalty calculated under this section upon re-  
2 ceipt of the calculation from the Secretary of  
3 the Interior.

4 (D) The Secretary of the Interior shall dis-  
5 burse the sums collected from the Secretary of  
6 the Army pursuant to this paragraph to the  
7 State of Kentucky as though the funds were  
8 being disbursed to the State under section 6 of  
9 the Mineral Leasing Act for Acquired Lands  
10 (30 U.S.C. 355) no later than 6 months after  
11 the date of the enactment of this Act.

12 (E) Regardless of the value of the royalty  
13 payments calculated under subparagraph (A),  
14 in no case may the amount of the sums dis-  
15 bursed under subparagraph (D) for any cal-  
16 endar year exceed \$49,000.

17 (2) WAIVER AUTHORITY.—The Governor of  
18 Kentucky may waive paragraph (1) by providing  
19 written notice to the Secretary of the Interior to  
20 that effect.

21 (c) OWNERSHIP OF FACILITIES.—The Secretary of  
22 the Army may take ownership of any gas production and  
23 treatment equipment and facilities and associated infra-  
24 structure from an entity with which the Secretary has en-  
25 tered into a contract under subsection (a) in accordance

1 with the terms of the contract. The Secretary of the Inte-  
2 rior shall have no responsibility for the plugging and aban-  
3 donment of the covered wells at Fort Knox, the reclama-  
4 tion of the covered wells at Fort Knox, or any environ-  
5 mental damage caused or associated with the production  
6 of the covered wells at Fort Knox.

7 (d) APPLICABILITY.—The authority of the Secretary  
8 of the Army under this section is effective as of August  
9 2, 2007.

10 (e) LIMITATION ON USES.—Any natural gas pro-  
11 duced under the authority of this section may be used only  
12 to support energy security and energy resilience at Fort  
13 Knox. For purposes of this section, energy security and  
14 energy resilience include maintaining and continuing to  
15 produce natural gas from the covered wells at Fort Knox,  
16 and enhancing the Fort Knox energy grid through acquisi-  
17 tion and maintenance of battery storage, loop trans-  
18 mission lines and pipelines, sub-stations, and automated  
19 circuitry.

20 (f) SAFETY STANDARDS FOR GAS WELLS.—The cov-  
21 ered wells at Fort Knox shall meet the same technical in-  
22 stallation and operating standards that they would have  
23 had to meet had they been installed under a lease pursu-  
24 ant to the Mineral Leasing Act for Acquired Lands. Such  
25 standards include the gas measurement requirements in

1 the Federal Oil and Gas Royalty Management Act and  
2 the operational standards in the Onshore Oil and Gas Op-  
3 erating and Production regulations issued by the Bureau  
4 of Land Management. The Bureau of Land Management  
5 shall inspect and enforce the Army's and its contractor's  
6 compliance with the standards of the Mineral Leasing Act  
7 for Acquired Lands, the Federal Oil and Gas Royalty  
8 Management Act, and the Bureau of Land Management  
9 Onshore Oil and Gas Operating and Production regula-  
10 tions.

11 (g) COVERED WELLS AT FORT KNOX.—In this sec-  
12 tion, the term “covered wells at Fort Knox” means the  
13 26 wells located at Fort Knox, Kentucky, as of the date  
14 of the enactment of this Act.

## 15 **Subtitle C—Logistics and** 16 **Sustainment**

### 17 **SEC. 321. AUTHORIZING USE OF WORKING CAPITAL FUNDS** 18 **FOR UNSPECIFIED MINOR MILITARY CON-** 19 **STRUCTION PROJECTS RELATED TO REVI-** 20 **TALIZATION AND RECAPITALIZATION OF DE-** 21 **FENSE INDUSTRIAL BASE FACILITIES.**

22 Section 2208 of title 10, United States Code, is  
23 amended by adding at the end the following new sub-  
24 section:

1           “(u) USE FOR UNSPECIFIED MINOR MILITARY CON-  
2   STRUCTION PROJECTS TO REVITALIZE AND RECAPI-  
3   TALIZE DEFENSE INDUSTRIAL BASE FACILITIES.—(1)

4   The Secretary of a military department may use a working  
5   capital fund of the department under this section to carry  
6   out an unspecified minor military construction project  
7   under section 2805 for the revitalization and recapitaliza-  
8   tion of a defense industrial base facility owned by the  
9   United States and under the jurisdiction of the Secretary.

10          “(2) Section 2805 shall apply with respect to a  
11   project carried out with a working capital fund under the  
12   authority of this subsection in the same manner as such  
13   section applies to any unspecified minor military construc-  
14   tion project under section 2805.

15          “(3) In this subsection, the term ‘defense industrial  
16   base facility’ means any Department of Defense depot, ar-  
17   senal, shipyard, or plant located within the United States.

18          “(4) The authority to use a working capital fund to  
19   carry out a project under the authority of this subsection  
20   expires on September 30, 2023.”.

21   **SEC. 322. EXAMINATION OF NAVY VESSELS.**

22          (a) NOTICE OF EXAMINATIONS.—Subsection (a) of  
23   section 7304 of title 10, United States Code, is amended—

24                  (1) by striking “The Secretary” and inserting

25                  “(1) The Secretary”; and

1           (2) by adding at the end the following new  
2 paragraph:

3           “(2)(A) Except as provided in subparagraph (B), any  
4 naval vessel examined under this section on or after Janu-  
5 ary 1, 2020, shall be examined with minimal notice pro-  
6 vided to the crew of the vessel.

7           “(B) Subparagraph (A) shall not apply to a vessel  
8 undergoing necessary trials before acceptance into the  
9 fleet.”.

10          (b) ANNUAL REPORT.—Such section is further  
11 amended by adding at the end the following new sub-  
12 section:

13           “(d) ANNUAL REPORT.—(1) Not later than March  
14 1 each year, the board designated under subsection (a)  
15 shall submit to the congressional defense committees a re-  
16 port setting forth the following:

17           “(A) An overall narrative summary of the mate-  
18 rial readiness of Navy ships as compared to estab-  
19 lished material requirements standards.

20           “(B) The overall number and types of vessels  
21 inspected during the preceding fiscal year.

22           “(C) For in-service vessels, material readiness  
23 trends by inspected functional area as compared to  
24 the previous five years.

1 “(2) Each report under this subsection shall be sub-  
2 mitted in an unclassified form that is releasable to the  
3 public without further redaction.

4 “(3) No report shall be required under this subsection  
5 after October 1, 2021.”.

6 **SEC. 323. LIMITATION ON LENGTH OF OVERSEAS FORWARD**  
7 **DEPLOYMENT OF NAVAL VESSELS.**

8 (a) LIMITATION.—

9 (1) IN GENERAL.—Chapter 633 of title 10,  
10 United States Code, is amended by adding at the  
11 end the following new section:

12 **“§ 7320. Limitation on length of overseas forward de-**  
13 **ployment of naval vessels**

14 “(a) LIMITATION.—The Secretary of the Navy shall  
15 ensure that no naval vessel specified in subsection (b) that  
16 is listed in the Naval Vessel Register is forward deployed  
17 overseas for a period in excess of ten years. At the end  
18 of a period of overseas forward deployment, the vessel  
19 shall be assigned a homeport in the United States.

20 “(b) VESSELS SPECIFIED.—A naval vessel specified  
21 in this subsection is any of the following:

22 “(1) Aircraft carrier.

23 “(2) Amphibious ship.

24 “(3) Cruiser.

25 “(4) Destroyer.

1 “(5) Frigate.

2 “(6) Littoral Combat Ship.

3 “(c) WAIVER.—The Secretary of the Navy may waive  
4 the limitation under subsection (a) with respect to a naval  
5 vessel if the Secretary submits to the congressional de-  
6 fense committees notice in writing of—

7 “(1) the waiver of such limitation with respect  
8 to the vessel;

9 “(2) the date on which the period of overseas  
10 forward deployment of the vessel is expected to end;  
11 and

12 “(3) the factors used by the Secretary to deter-  
13 mine that a longer period of deployment would pro-  
14 mote the national defense or be in the public inter-  
15 est.”.

16 (2) CLERICAL AMENDMENT.—The table of sec-  
17 tions at the beginning of such chapter is amended  
18 by adding at the end the following new section:

“7320. Limitation on length of overseas forward deployment of naval vessels.”.

19 (b) TREATMENT OF CURRENTLY DEPLOYED VES-  
20 SELS.—In the case of any naval vessel that has been for-  
21 ward deployed overseas for a period in excess of ten years  
22 as of the date of the enactment of this Act, the Secretary  
23 of the Navy shall ensure that such vessel is assigned a  
24 homeport in the United States by not later than three  
25 years after the date of the enactment of this Act.

1 (c) CONGRESSIONAL BRIEFING.—Not later than Oc-  
2 tober 1, 2020, the Secretary of the Navy shall provide to  
3 the Committees on Armed Services of the Senate and  
4 House of Representatives a briefing on the plan of the  
5 Secretary for the rotation of forward deployed naval ves-  
6 sels.

7 **SEC. 324. TEMPORARY MODIFICATION OF WORKLOAD CAR-**  
8 **RYOVER FORMULA.**

9 During the period beginning on the date of the enact-  
10 ment of this Act and ending on September 30, 2021, in  
11 carrying out chapter 9, volume 2B (relating to Instruc-  
12 tions for the Preparation of Exhibit Fund-11a Carryover  
13 Reconciliation) of Department of Defense regulation  
14 7000.14-R, entitled “Financial Management Regulation  
15 (FMR)”, in addition to any other applicable exemptions,  
16 the Secretary of Defense shall ensure that with respect  
17 to each military department depot or arsenal, outlay  
18 rates—

19 (1) reflect the timing of when during a fiscal  
20 year appropriations have historically funded work-  
21 load; and

22 (2) account for the varying repair cycle times of  
23 the workload supported.

1 **SEC. 325. LIMITATION ON USE OF FUNDS FOR IMPLEMEN-**  
2 **TATION OF ELEMENTS OF MASTER PLAN FOR**  
3 **REDEVELOPMENT OF FORMER SHIP REPAIR**  
4 **FACILITY IN GUAM.**

5 (a) **LIMITATION.**—Except as provided in subsection  
6 (b), none of the funds authorized to be appropriated by  
7 this Act or otherwise made available for the Navy for fiscal  
8 year 2019 may be obligated or expended for any construc-  
9 tion, alteration, repair, or development of the real property  
10 consisting of the Former Ship Repair Facility in Guam.

11 (b) **EXCEPTION.**—The limitation under subsection  
12 (a) does not apply to any project that directly supports  
13 depot-level ship maintenance capabilities, including the  
14 mooring of a floating dry dock.

15 (c) **FORMER SHIP REPAIR FACILITY IN GUAM.**—In  
16 this section, the term “Former Ship Repair Facility in  
17 Guam” means the property identified by that name under  
18 the base realignment and closure authority carried out  
19 under the Defense Base Closure and Realignment Act of  
20 1990 (part A of title XXIX of Public Law 101–510; 10  
21 U.S.C. 2687 note).

22 **SEC. 326. BUSINESS CASE ANALYSIS FOR PROPOSED RELO-**  
23 **CATION OF J85 ENGINE REGIONAL REPAIR**  
24 **CENTER.**

25 (a) **BUSINESS CASE ANALYSIS.**—The Secretary of  
26 the Air Force shall prepare a business case analysis on

1 the proposed relocation of the J85 Engine Regional Re-  
2 pair Center. Such analysis shall include each of the fol-  
3 lowing:

4 (1) An overview of each alternative considered  
5 for the J85 Engine Regional Repair Center.

6 (2) The one-time and annual costs associated  
7 with each such alternative.

8 (3) The effect of each such alternative on work-  
9 load capacity, capability, schedule, throughput, and  
10 costs.

11 (4) The effect of each such alternative on Gov-  
12 ernment-furnished parts, components, and equip-  
13 ment, including mitigation strategies to address  
14 known limitations to T38 production throughput, es-  
15 pecially such limitations caused by Government-fur-  
16 nished parts, equipment, or transportation.

17 (5) The effect of each such alternative on the  
18 transition of the Air Force to the T-X training air-  
19 craft.

20 (6) A detailed rationale for the selection of an  
21 alternative considered as part of the business case  
22 analysis under this section.

23 (b) LIMITATION ON USE OF FUNDS FOR RELOCA-  
24 TION.—None of the funds authorized to be appropriated  
25 by this Act, or otherwise made available for the Air Force,

1 may be obligated or expended for any action to relocate  
2 the J85 Engine Regional Repair Center until the date that  
3 is 150 days after the date on which the Secretary of the  
4 Air Force provides to the Committees on Armed Services  
5 of the Senate and House of Representatives a briefing on  
6 the business case analysis required by subsection (a).

7 **SEC. 327. REPORT ON PILOT PROGRAM FOR MICRO-REAC-**  
8 **TORS.**

9 (a) REPORT REQUIRED.—Not later than 12 months  
10 after the date of enactment of this Act, the Secretary shall  
11 develop and submit to the Committee on Armed Services  
12 and the Committee on Energy and Commerce in the  
13 House of Representatives and the Committee on Armed  
14 Services and the Committee on Energy and Natural Re-  
15 sources in the Senate a report describing the requirements  
16 for, and components of, a pilot program to provide resil-  
17 ience for critical national security infrastructure at De-  
18 partment of Defense facilities with high energy intensity  
19 and currently expensive utility rates and Department of  
20 Energy facilities by contracting with a commercial entity  
21 to site, construct, and operate at least one licensed micro-  
22 reactor at a facility identified under the report by Decem-  
23 ber 31, 2027.

1 (b) CONSULTATION.—As necessary to develop the re-  
2 port required under subsection (a), the Secretary shall  
3 consult with—

- 4 (1) the Secretary of Defense;
- 5 (2) the Nuclear Regulatory Commission; and
- 6 (3) the Administrator of the General Services  
7 Administration.

8 (c) CONTENTS.—The report required under sub-  
9 section (a) shall include—

- 10 (1) identification of potential locations to site,  
11 construct, and operate a micro-reactor at a Depart-  
12 ment of Defense or Department of Energy facility  
13 that contains critical national security infrastructure  
14 that the Secretary determines may not be energy re-  
15 siliant;
- 16 (2) assessments of different nuclear tech-  
17 nologies to provide energy resiliency for critical na-  
18 tional security infrastructure;
- 19 (3) a survey of potential commercial stake-  
20 holders with which to enter into a contract under the  
21 pilot program to construct and operate a licensed  
22 micro-reactor;
- 23 (4) options to enter into long-term contracting,  
24 including various financial mechanisms for such pur-  
25 pose;

1           (5) identification of requirements for micro-re-  
2           actors to provide energy resilience to mission-critical  
3           functions at facilities identified under paragraph (1);

4           (6) an estimate of the costs of the pilot pro-  
5           gram;

6           (7) a timeline with milestones for the pilot pro-  
7           gram;

8           (8) an analysis of the existing authority of the  
9           Department of Energy and Department of Defense  
10          to permit the siting, construction, and operation of  
11          a micro-reactor; and

12          (9) recommendations for any legislative changes  
13          to the authorities analyzed under paragraph (8) nec-  
14          essary for the Department of Energy and the De-  
15          partment of Defense to permit the siting, construc-  
16          tion, and operation of a micro-reactor.

17          (d) DEFINITIONS.—In this section:

18           (1) The term “critical national security infra-  
19           structure” means any site or installation that the  
20           Secretary of Energy or the Secretary of Defense de-  
21           termines supports critical mission functions of the  
22           national security enterprise.

23           (2) The term “licensed” means holding a li-  
24           cense under section 103 or 104 of the Atomic En-  
25           ergy Act of 1954.

1           (3) The term “micro-reactor” means a nuclear  
2 reactor that has a power production capacity that is  
3 not greater than 50 megawatts.

4           (4) The term “pilot program” means the pilot  
5 program described in subsection (a).

6           (5) The term “Secretary” means Secretary of  
7 Energy.

8           (e) FORM.—The report required under subsection (a)  
9 shall be submitted in unclassified form, but may include  
10 a classified appendix.

11          (f) LIMITATIONS.—This Act does not authorize the  
12 Department of Energy or Department of Defense to enter  
13 into a contract with respect to the pilot program.

14 **SEC. 328. LIMITATION ON MODIFICATIONS TO NAVY FACILI-**  
15 **TIES SUSTAINMENT, RESTORATION, AND**  
16 **MODERNIZATION STRUCTURE AND MECHA-**  
17 **NISM.**

18          The Secretary of the Navy may not make any modi-  
19 fication to the existing Navy Facilities Sustainment, Res-  
20 toration, and Modernization structure or mechanism that  
21 would modify duty relationships or significantly alter the  
22 existing structure until 90 days after providing notice of  
23 the proposed modification to the congressional defense  
24 committees.



1           “(4) that the reporting system include resources  
2           information, force posture, and mission centric capa-  
3           bility assessments, as well as predicted changes to  
4           these attributes;” and

5           (5) in paragraph (5), as redesignated by para-  
6           graph (3) of this subsection, by inserting “, or ele-  
7           ment of a unit,” after “readiness status of a unit”.

8           (b) CAPABILITIES OF READINESS REPORTING SYS-  
9           TEM.—Such section is further amended in subsection  
10          (c)—

11           (1) in paragraph (1)—

12           (A) by striking “Measure, on a monthly  
13           basis, the capability of units” and inserting  
14           “Measure the readiness of units”; and

15           (B) by striking “conduct their assigned  
16           wartime missions” and inserting “conduct their  
17           designed and assigned missions”;

18           (2) in paragraph (2)—

19           (A) by striking “Measure, on an annual  
20           basis,” and inserting “Measure”; and

21           (B) by striking “wartime missions” and in-  
22           serting “designed and assigned missions”;

23           (3) in paragraph (3)—

24           (A) by striking “Measure, on an annual  
25           basis,” and inserting “Measure”; and

1 (B) by striking “wartime missions” and in-  
2 serting “designed and assigned missions”;

3 (4) in paragraph (4), by striking “Measure, on  
4 a monthly basis,” and inserting “Measure”;

5 (5) in paragraph (5), by striking “Measure, on  
6 an annual basis,” and inserting “Measure”;

7 (6) by striking paragraphs (6) and (8) and re-  
8 designating paragraph (7) as paragraph (6); and

9 (7) in paragraph (6), as so redesignated, by  
10 striking “Measure, on a quarterly basis,” and insert-  
11 ing “Measure”.

12 (c) SEMI-ANNUAL AND MONTHLY JOINT READINESS  
13 REVIEWS.—Such section is further amended in subsection  
14 (d)(1)(A) by inserting “, which includes a validation of  
15 readiness data currency and accuracy” after “joint readi-  
16 ness review”.

17 (d) QUARTERLY REPORT ON CHANGE IN CURRENT  
18 STATE OF UNIT READINESS.—Such section is further  
19 amended—

20 (1) by redesignating subsection (f) as sub-  
21 section (h); and

22 (2) by inserting after subsection (e) the fol-  
23 lowing new subsection (f):

24 “(f) QUARTERLY REPORT ON MONTHLY CHANGES IN  
25 CURRENT STATE OF READINESS OF UNITS.—For each

1 quarter that begins after the date of the enactment of this  
2 subsection and ends on or before September 30, 2023, the  
3 Secretary shall submit to the congressional defense com-  
4 mittees a report on each monthly upgrade or downgrade  
5 of the current state of readiness of a unit that was issued  
6 by the commander of a unit during the previous quarter,  
7 together with the rationale of the commander for the  
8 issuance of such upgrade or downgrade.”.

9 (e) ANNUAL REPORT TO CONGRESS ON OPER-  
10 ATIONAL CONTRACT SUPPORT.—Such section is further  
11 amended by inserting after the new subsection (f), as  
12 added by subsection (d)(2) of this section, the following  
13 new subsection:

14 “(g) ANNUAL REPORT ON OPERATIONAL CONTRACT  
15 SUPPORT.—The Secretary shall each year submit to the  
16 congressional defense committees a report in writing con-  
17 taining the results of the most recent annual measurement  
18 of the capability of operational contract support to support  
19 current and anticipated wartime missions of the armed  
20 forces. Each such report shall be submitted in unclassified  
21 form, but may include a classified annex.”.

22 (f) REGULATIONS.—Such section is further amended  
23 in subsection (h), as redesignated by subsection (d)(1) of  
24 this section, by striking “prescribe the units that are sub-  
25 ject to reporting in the readiness reporting system, what

1 type of equipment is subject to such reporting” and insert-  
2 ing “prescribe the established information technology sys-  
3 tem for Department of Defense reporting, specifically au-  
4 thorize exceptions to a single-system architecture, and  
5 identify the organizations, units, and entities that are sub-  
6 ject to reporting in the readiness reporting system, what  
7 organization resources are subject to such reporting”.

8 (g) CONFORMING AMENDMENTS.—

9 (1) SECTION HEADING.—Such section is further  
10 amended in the section heading by striking “: **es-**  
11 **tablishment; reporting to congressional**  
12 **committees**”.

13 (2) TABLE OF SECTIONS.—The table of sections  
14 at the beginning of chapter 2 is amended by striking  
15 the item relating to section 117 and inserting the  
16 following new item:

“117. Readiness reporting system.”.

17 **SEC. 332. MATTERS FOR INCLUSION IN QUARTERLY RE-**  
18 **PORTS ON PERSONNEL AND UNIT READI-**  
19 **NESS.**

20 Section 482 of title 10, United States Code, is  
21 amended—

22 (1) in subsection (b)(1), by inserting after “de-  
23 ficiency” the following: “in the ground, sea, air,  
24 space, and cyber forces, and in such other such

1 areas as determined by the Secretary of Defense,”;

2 and

3 (2) in subsection (d)—

4 (A) in the subsection heading, by striking

5 “ASSIGNED MISSION”;

6 (B) by striking paragraph (3);

7 (C) by redesignating paragraphs (2) as

8 paragraph (3); and

9 (D) by inserting after paragraph (1) the  
10 following new paragraph (2):

11 “(2) A report for the second or fourth quarter  
12 of a calendar year under this section shall also in-  
13 clude an assessment by each commander of a geo-  
14 graphic or functional combatant command of the  
15 readiness of the command to conduct operations in  
16 a multidomain battle that integrates ground, air,  
17 sea, space, and cyber forces.”.

18 **SEC. 333. ANNUAL COMPTROLLER GENERAL REVIEWS OF**  
19 **READINESS OF ARMED FORCES TO CONDUCT**  
20 **FULL SPECTRUM OPERATIONS.**

21 (a) **REVIEWS REQUIRED.**—For each of calendar  
22 years 2018 through 2021, the Comptroller General of the  
23 United States shall conduct an annual review of the readi-  
24 ness of the Armed Forces to conduct each of the following  
25 types of full spectrum operations:

1 (1) Ground.

2 (2) Sea.

3 (3) Air.

4 (4) Space.

5 (5) Cyber.

6 (b) ELEMENTS OF REVIEW.—In conducting a review  
7 under subsection (a), the Comptroller General shall—

8 (1) use standard methodology and reporting  
9 formats in order to show changes over time;

10 (2) evaluate, using fiscal year 2017 as the base  
11 year of analysis—

12 (A) force structure;

13 (B) the ability of major operational units  
14 to conduct operations; and

15 (C) the status of equipment, manning, and  
16 training; and

17 (3) provide reasons for any variances in readi-  
18 ness levels, including changes in funding, availability  
19 in parts, training opportunities, and operational de-  
20 mands.

21 (c) METRICS.—For purposes of the reviews required  
22 by this section, the Secretary of Defense shall identify and  
23 establish metrics for measuring readiness for the oper-  
24 ations covered by subsection (a). In the first review con-

1 ducted under this section, the Comptroller General shall  
2 evaluate and determine the validity of such metrics.

3 (d) ACCESS TO RELEVANT DATA.—For purposes of  
4 this section, the Secretary of Defense shall ensure that  
5 the Comptroller General has access to all relevant data,  
6 including—

7 (1) any assessments of the ability of the De-  
8 partment of Defense and the Armed Forces to exe-  
9 cute operational and contingency plans;

10 (2) any internal Department readiness and  
11 force structure assessments; and

12 (3) the readiness databases of the Department  
13 and the Armed Forces.

14 (e) REPORTS.—

15 (1) ANNUAL REPORT.—Not later than Feb-  
16 ruary 28, 2019, and annually thereafter until 2022,  
17 the Comptroller General shall submit to the Commit-  
18 tees on Armed Services of the Senate and House of  
19 Representatives an annual report on the review con-  
20 ducted under subsection (a) for the year preceding  
21 the year during which the report is submitted.

22 (2) ADDITIONAL REPORTS.—At the discretion  
23 of the Comptroller General, the Comptroller General  
24 may submit to the Committees on Armed Services of  
25 the Senate and House of Representatives additional

1 reports addressing specific mission areas within the  
2 operations covered by subsection (a) in order to pro-  
3 vide an independent assessment of readiness in the  
4 areas of equipping, mapping, and training.

5 **SEC. 334. SURFACE WARFARE TRAINING IMPROVEMENT.**

6 (a) FINDINGS.—Congress makes the following find-  
7 ings:

8 (1) In 2017, there were three collisions and one  
9 grounding involving United States Navy ships in the  
10 Western Pacific. The two most recent mishaps in-  
11 volved separate incidents of a Japan-based United  
12 States Navy destroyer colliding with a commercial  
13 merchant vessel, resulting in the combined loss of 17  
14 sailors.

15 (2) The causal factors in these four mishaps  
16 are linked directly to a failure to take sufficient ac-  
17 tion in accordance with the rules of good seaman-  
18 ship.

19 (3) Because risks are high in the maritime envi-  
20 ronment, there are widely accepted standards for  
21 safe seamanship and navigation. In the United  
22 States, the International Convention on Standards  
23 of Training, Certification and Watchkeeping (herein-  
24 after in this section referred to as the “STCW”) for  
25 Seafarers, standardizes the skills and foundational

1 knowledge a maritime professional must have in sea-  
2 manship and navigation.

3 (4) Section 568 of the National Defense Au-  
4 thorization Act for Fiscal Year 2017 (Public Law  
5 114–328; 130 Stat. 2139) endorsed the STCW proc-  
6 ess and required the Secretary of Defense to maxi-  
7 mize the extent to which Armed Forces service,  
8 training, and qualifications are creditable toward  
9 meeting merchant mariner licenses and certifi-  
10 cations.

11 (5) The Surface Warfare Officer Course Cur-  
12 riculum is being modified to include ten individual  
13 Go/No Go Mariner Assessments/Competency Check  
14 Milestones to ensure standardization and quality of  
15 the surface warfare community.

16 (6) The Military-to-Mariner Transition report  
17 of September 2017 notes the Army maintains an ex-  
18 tensive STCW qualifications program and that a  
19 similar Navy program does not exist.

20 (b) SENSE OF CONGRESS.—It is the sense of Con-  
21 gress that—

22 (1) the Secretary of the Navy should establish  
23 a comprehensive individual proficiency assessment  
24 process and include such an assessment prior to all

1 operational surface warfare officer tour assignments;  
2 and

3 (2) the Secretary of the Navy should signifi-  
4 cantly expand the STCW qualifications process to  
5 improve seamanship and navigation individual skills  
6 training for surface warfare candidates, surface war-  
7 fare officers, quartermasters and operations special-  
8 ists to include an increased set of courses that di-  
9 rectly correspond to STCW standards.

10 (c) REPORT.—Not later than March 1, 2019, the  
11 Secretary of the Navy shall submit to the congressional  
12 defense committees a report that includes each of the fol-  
13 lowing:

14 (1) A detailed description of the surface war-  
15 fare officer assessments process.

16 (2) A list of programs that have been approved  
17 for credit toward merchant mariner credentials.

18 (3) A complete gap analysis of the existing sur-  
19 face warfare training curriculum and STCW.

20 (4) A complete gap analysis of the existing sur-  
21 face warfare training curriculum and the 3rd mate  
22 unlimited licensing requirement.

23 (5) An assessment of surface warfare options to  
24 complete the 3rd mate unlimited license and the  
25 STCW qualification.

1 **SEC. 335. REPORT ON OPTIMIZING SURFACE NAVY VESSEL**  
2 **INSPECTIONS AND CREW CERTIFICATIONS.**

3 (a) **REPORT REQUIRED.**—Not later than one year  
4 after the date of the enactment of this Act, the Secretary  
5 of the Navy shall submit to Congress a report on opti-  
6 mizing surface Navy vessel inspections and crew certifi-  
7 cations to reduce the burden of inspection type visits that  
8 vessels undergo. Such report shall include—

9 (1) an audit of all surface Navy vessel inspec-  
10 tions, certifications, and required and recommended  
11 assist visits;

12 (2) an analysis of such inspections, certifi-  
13 cations, and visits for redundancies, as well as any  
14 necessary items not covered;

15 (3) recommendations to streamline surface ves-  
16 sel inspections, certifications, and required and rec-  
17 ommended assist visits to optimize effectiveness, im-  
18 prove material readiness, and restore training readi-  
19 ness; and

20 (4) recommendations for congressional action to  
21 address the needs of the Navy as identified in the  
22 report.

23 (b) **CONGRESSIONAL BRIEFING.**—Not later than  
24 January 31, 2019, the Secretary of the Navy shall provide  
25 to the Senate Committee on Armed Services and the  
26 House Committee on Armed Services an interim briefing

1 on the matters to be included in the report required by  
2 subsection (a).

3 **SEC. 336. REPORT ON DEPOT-LEVEL MAINTENANCE AND**  
4 **REPAIR.**

5 The Secretary of Defense, in consultation with the  
6 heads of each of the military departments and the Chair-  
7 man of the Joint Chiefs of Staff, shall submit to the con-  
8 gressional defense committees a report on labor hours and  
9 depot maintenance, which shall include—

10 (1) the amount of public and private funding of  
11 depot-level maintenance and repair (as defined in  
12 section 2460 of title 10 United States Code) for the  
13 Department of Defense, Army, Navy, Marine Corps,  
14 Air Force, Special Operations Command, and any  
15 other unified command identified by the Secretary,  
16 expressed by commodity group by percentage and  
17 actual numbers in terms of dollars and direct labor  
18 hours;

19 (2) within each category of depot level mainte-  
20 nance and repair for each entities, the amount of the  
21 subset of depot maintenance workload that meets  
22 the description under section 2464 of title 10,  
23 United States Code, that is performed in the public  
24 and private sectors by direct labor hours and by dol-  
25 lars;

1           (3) of the subset referred to in paragraph (2),  
2           the amount of depot maintenance workload per-  
3           formed in the public and private sector by direct  
4           labor hour and by dollars for each entity that would  
5           otherwise be considered core workload under such  
6           section 2464, but is not considered core because a  
7           weapon system or equipment has not been declared  
8           a program of record; and

9           (4) the projections for the upcoming future  
10          years defense program, including the distinction be-  
11          tween the Navy and the Marine Corps for the De-  
12          partment of the Navy, as well as any unified com-  
13          mand, including the Special Operations Command.

14 **SEC. 337. REPORT ON WILDFIRE SUPPRESSION CAPABILI-**  
15                                   **TIES OF ACTIVE AND RESERVE COMPO-**  
16                                   **NENTS.**

17          (a) SENSE OF CONGRESS.—It is the sense of Con-  
18          gress that wildfires endanger national security.

19          (b) REPORT.—Not later than 90 days after the date  
20          of the enactment of this Act, the Secretary of Defense  
21          shall submit to Congress a report on the wildfire suppres-  
22          sion capabilities within the active and reserve components  
23          of the Armed Forces, including the Modular Airborne Fire  
24          Fighting System Program, and interagency cooperation

1 with the Forest Service and the Department of the Inte-  
2 rior.

3 **SEC. 338. REPORT ON RELOCATION OF STEAM TURBINE**  
4 **PRODUCTION FROM NIMITZ-CLASS AND**  
5 **FORD-CLASS AIRCRAFT CARRIERS AND VIR-**  
6 **GINIA-CLASS AND COLUMBIA-CLASS SUB-**  
7 **MARINES.**

8 Not later than 180 days after the date of the enact-  
9 ment of this Act, the Secretary of Defense, in consultation  
10 with the Under Secretary of Defense for Acquisition,  
11 Technology, and Logistics and the Assistant Secretary of  
12 the Navy for Research, Development, and Acquisition,  
13 shall develop and submit to Congress a report describing  
14 the potential impacts on national defense and the manu-  
15 facturing base resulting from contractors or subcontractors  
16 relocating steam turbine production for Nimitz-class  
17 and Ford-class aircraft carriers and Virginia-class and Co-  
18 lumbia-class submarines. Such report shall address each  
19 of the following:

- 20 (1) The overall risk of moving production on  
21 the national security of the United States, including  
22 the likelihood of production delay or reduction in  
23 quality of steam turbines.

1           (2) The impact on national security from a  
2           delay in production of aircraft carriers and sub-  
3           marines.

4           (3) The impacts on regional suppliers the cur-  
5           rent production of steam turbines draw on and their  
6           ability to perform other contracts should a relocation  
7           happen.

8           (4) The impact on the national industrial and  
9           manufacturing base and loss of a critically skilled  
10          workforce resulting from a relocation of production.

11          (5) The risk of moving production on total cost  
12          of the acquisition.

13 **SEC. 339. REPORT ON SPECIALIZED UNDERGRADUATE**  
14                   **PILOT TRAINING PRODUCTION, RESOURCING,**  
15                   **AND LOCATIONS.**

16          (a) IN GENERAL.—Not later than March 1, 2019, the  
17          Secretary of the Air Force shall submit to the congres-  
18          sional defense committees a report on existing Specialized  
19          Undergraduate Pilot Training (SUPT) production,  
20          resourcing, and locations.

21          (b) ELEMENTS.—The report required under sub-  
22          section (a) shall include the following elements:

23               (1) A description of the strategy of the Air  
24               Force for utilizing existing SUPT locations to  
25               produce the number of pilots the Air Force requires.

1           (2) The number of pilots that each SUPT loca-  
2           tion has graduated, by year, over the previous 5 fis-  
3           cal years.

4           (3) The forecast number of pilots that each  
5           SUPT location will produce for fiscal year 2019.

6           (4) The maximum production capacity of each  
7           SUPT location.

8           (5) The extent to which existing SUPT installa-  
9           tions are operating at maximum capacity in terms of  
10          pilot production.

11          (6) A cost estimate of the resources required  
12          for each SUPT location to reach maximum produc-  
13          tion capacity.

14          (7) A determination as to whether increasing  
15          production capacity at existing SUPT locations will  
16          satisfy the Air Force's SUPT requirement.

17          (8) A timeline and cost estimation of estab-  
18          lishing a new SUPT location.

19          (9) A discussion of whether the Air Force plans  
20          to operate existing SUPT installations at maximum  
21          capacity over the future years defense program.

22          (10) A business case analysis comparing the es-  
23          tablishment of a new SUPT location to increasing  
24          production capacity at existing SUPT locations.

1 **SEC. 340. REPORT ON AIR FORCE AIRFIELD OPERATIONAL**  
2 **REQUIREMENTS.**

3 (a) IN GENERAL.—Not later than February 1, 2019,  
4 the Secretary of the Air Force shall conduct an assessment  
5 and submit to the congressional defense committees a re-  
6 port detailing the operational requirements for Air Force  
7 airfields.

8 (b) ELEMENTS.—The report required under sub-  
9 section (a) shall include the following elements:

10 (1) An assessment of the state of airfields  
11 where runway degradation currently poses a threat  
12 to operations and airfields where such degradation  
13 threatens operations in the next five and ten years.

14 (2) A description of the operational require-  
15 ments for airfields, including an assessment of the  
16 impact to operations, cost to repair, cost to replace,  
17 remaining useful life, and the required daily mainte-  
18 nance to ensure runways are acceptable for full op-  
19 erations.

20 (3) A description of any challenges with infra-  
21 structure acquisition methods and processes.

22 (4) An assessment of the operational impact in  
23 the event a runway were to become inoperable due  
24 to a major degradation incident, such as a crack or  
25 fracture resulting from lack of maintenance and re-  
26 pair.

1           (5) A plan to address any shortfalls associated  
2           with the Air Force's runway infrastructure.

3           (c) FORM.—The report required under subsection (a)  
4           shall be in unclassified form but may contain a classified  
5           annex as necessary.

6   **SEC. 341. REPORT ON NAVY SURFACE SHIP REPAIR CON-**  
7                           **TRACT COSTS.**

8           (a) REPORT REQUIRED.—Not later than 120 days  
9           after the date of the enactment of this Act, the Secretary  
10          of the Navy shall submit to the congressional defense com-  
11          mittees a report on Navy surface ship repair contract  
12          costs.

13          (b) ELEMENTS.—The report required under sub-  
14          section (a) shall include, for each private sector mainte-  
15          nance availability for a conventionally-powered Navy sur-  
16          face ship for the prior two completed fiscal years, the fol-  
17          lowing elements:

18               (1) Name of the ship.

19               (2) Location of the availability.

20               (3) Prime contractor performing the avail-  
21          ability.

22               (4) Date of the contract award.

23               (5) Type of contract used, such as firm-fixed-  
24          price or cost-plus-fixed-fee.

25               (6) Solicitation number.

1 (7) Number of offers received in response to the  
2 solicitation.

3 (8) Contract target cost at the date of contract  
4 award.

5 (9) Contract ceiling cost of the contract at the  
6 date of contract award.

7 (10) Duration of the availability in days, includ-  
8 ing start and end dates, at the date of contract  
9 award.

10 (11) Final contract cost.

11 (12) Final delivery cost.

12 (13) Actual duration of the availability in days,  
13 including start and end dates.

14 (14) Description of growth work that was  
15 added after the contract award, including the associ-  
16 ated cost.

17 (15) Explanation of why the growth work de-  
18 scribed in paragraph (14) was not included in the  
19 scope of work associated with the original contract  
20 award.

## 21 **Subtitle E—Other Matters**

### 22 **SEC. 351. COAST GUARD REPRESENTATION ON EXPLOSIVE** 23 **SAFETY BOARD.**

24 Section 172(a) of title 10, United States Code, is  
25 amended—

1 (1) by striking “and Marine Corps” and insert-  
2 ing “Marine Corps, and Coast Guard”; and

3 (2) by adding at the end the following new sen-  
4 tence: “When the Coast Guard is not operating as  
5 a service in the Department of the Navy, the Sec-  
6 retary of Homeland Security shall appoint an officer  
7 of the Coast Guard to serve as a voting member of  
8 the board.”.

9 **SEC. 352. TRANSPORTATION TO CONTINENTAL UNITED**  
10 **STATES OF RETIRED MILITARY WORKING**  
11 **DOGS OUTSIDE THE CONTINENTAL UNITED**  
12 **STATES THAT ARE SUITABLE FOR ADOPTION**  
13 **IN THE UNITED STATES.**

14 Section 2583(f) of title 10, United States Code, is  
15 amended by adding at the end the following new para-  
16 graph:

17 “(3)(A) In the case of a military working dog located  
18 outside the continental United States at the time of retire-  
19 ment that is suitable for adoption at that time, the Sec-  
20 retary of the military department concerned shall under-  
21 take transportation of the dog to the continental United  
22 States (including transportation by contract at United  
23 States expense) for adoption under this section unless—

24 “(i) the dog is adopted as described in para-  
25 graph (2)(A); or



1 1365) is amended by inserting “shredded or” before  
2 “melted and repurposed”.

3 **SEC. 355. STUDY ON PHASING OUT OPEN BURN PITS.**

4 (a) REPORT.—Not later than 180 days after the date  
5 of the enactment of this Act, the Secretary of Defense  
6 shall submit to Congress a report that includes—

7 (1) details of any ongoing use of open burn  
8 pits; and

9 (2) the feasibility of phasing out the use of  
10 open burn pits by using technology incinerators.

11 (b) OPEN BURN PIT DEFINED.—In this section, the  
12 term “open burn pit” means an area of land—

13 (1) that is designated by the Secretary of De-  
14 fense to be used for disposing solid waste by burning  
15 in the outdoor air; and

16 (2) does not contain a commercially manufac-  
17 tured incinerator or other equipment specifically de-  
18 signed and manufactured for the burning of solid  
19 waste.

20 **SEC. 356. NOTIFICATION REQUIREMENTS RELATING TO**  
21 **CHANGES TO UNIFORM OF MEMBERS OF THE**  
22 **UNIFORMED SERVICES.**

23 (a) DLA NOTIFICATION.—The Secretary of a mili-  
24 tary department shall notify the Commander of the De-  
25 fense Logistics Agency of any plan to implement a change

1 to any uniform or uniform component of a member of the  
2 uniformed services. Such notification shall be made not  
3 less than three years prior to the implementation of such  
4 change.

5 (b) CONTRACTOR NOTIFICATION.—The Commander  
6 of the Defense Logistics Agency shall notify a contractor  
7 when one of the uniformed services plans to make a  
8 change to a uniform component that is provided by that  
9 contractor. Such a notification shall be made not less than  
10 12 months prior to any announcement of a public solicita-  
11 tion for the manufacture of the new uniform component.

12 (c) WAIVER.—If the Secretary of a military depart-  
13 ment or the Commander of the Defense Logistics Agency  
14 determines that the notification requirement under sub-  
15 section (a) would adversely affect operational safety, force  
16 protection, or the national security interests of the United  
17 States, the Secretary or the Commander may waive such  
18 requirement.

19 **SEC. 357. REPORTING ON FUTURE YEARS BUDGETING BY**  
20 **SUBACTIVITY GROUP.**

21 Along with the budget for each fiscal year submitted  
22 by the President pursuant to section 1105(a) of title 31,  
23 United States Code, the Secretary of Defense and the Sec-  
24 retaries of the military departments shall include in the  
25 OP-5 Justification Books, as detailed by Department of

1 Defense Financial Management Regulation 7000.14–R,  
2 the amount for each individual subactivity group, as de-  
3 tailed in the Department’s future years defense program  
4 pursuant to section 221 of title 10, United States Code.

5 **SEC. 358. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
6 **SERVICE-SPECIFIC DEFENSE READINESS RE-**  
7 **PORTING SYSTEMS.**

8 (a) LIMITATION.—None of the funds authorized to  
9 be appropriated by this Act or otherwise made available  
10 for the Department of Defense for fiscal year 2019 for  
11 research, development, test, and evaluation or procure-  
12 ment, and available to develop service-specific Defense  
13 Readiness Reporting Systems (referred to in this section  
14 as “DRRS”) may be made available for such purpose ex-  
15 cept for required maintenance and in order to facilitate  
16 the transition to DRRS-Strategic (referred to in this sec-  
17 tion as “DRRS-S”).

18 (b) PLAN.—Not later than February 1, 2019, the  
19 Under Secretary for Personnel and Readiness shall submit  
20 to the congressional defense committees a resource and  
21 funding plan to include a schedule with relevant mile-  
22 stones on the elimination of service-specific DRRS and the  
23 migration of the military services and other organizations  
24 to DRRS-S.

1           (c) TRANSITION.—The military services shall com-  
2 plete the transition to DRRS-S not later than October 1,  
3 2019. The Secretary of Defense shall notify the congres-  
4 sional defense committees upon the complete transition of  
5 the services.

6           (d) REPORTING REQUIREMENT.—

7           (1) IN GENERAL.—The Under Secretary for  
8 Personnel and Readiness, the Under Secretary for  
9 Acquisition and Sustainment, and the Under Sec-  
10 retary for Research and Engineering, in coordination  
11 with the Secretaries of the military departments and  
12 other organizations with relevant technical expertise,  
13 shall establish a working group including individuals  
14 with expertise in application or software develop-  
15 ment, data science, testing, and development and as-  
16 sessment of performance metrics to assess the cur-  
17 rent process for collecting, analyzing, and commu-  
18 nicating readiness data, and develop a strategy for  
19 implementing any recommended changes to improve  
20 and establish readiness metrics using the current  
21 DRRS-Strategic platform.

22           (2) ELEMENTS.—The assessment conducted  
23 pursuant to paragraph (1) shall include—

24           (A) identification of modern tools, meth-  
25 ods, and approaches to readiness to more effec-

1           tively and efficiently collect, analyze, and make  
2           decision based on readiness data; and

3                   (B) consideration of cost and schedule.

4           (3) SUBMISSION TO CONGRESS.—Not later than  
5           February 1, 2020, the Secretary of Defense shall  
6           submit to the congressional defense committees the  
7           assessment conducted pursuant to paragraph (1).

8           (e) DEFENSE READINESS REPORTING REQUIRE-  
9           MENTS.—To the maximum extent practicable, the Sec-  
10          retary of Defense shall meet defense readiness reporting  
11          requirements consistent with the recommendations of the  
12          working group established under subsection (d)(1).

13   **SEC. 359. PRIORITIZATION OF ENVIRONMENTAL IMPACTS**  
14                   **FOR FACILITIES SUSTAINMENT, RESTORA-**  
15                   **TION, AND MODERNIZATION DEMOLITION.**

16          The Secretary of Defense shall establish prioritization  
17          metrics for facilities deemed eligible for demolition within  
18          the Facilities Sustainment, Restoration, and Moderniza-  
19          tion (FSRM) process. Those metrics shall include full  
20          spectrum readiness and environmental impacts, including  
21          the removal of contamination.

22   **SEC. 360. SENSE OF CONGRESS RELATING TO SOO LOCKS,**  
23                   **SAULT SAINTE MARIE, MICHIGAN.**

24          It is the sense of Congress that—

1           (1) the Soo Locks in Sault Ste. Marie, Michi-  
2           gan, are of critical importance to the national secu-  
3           rity of the United States;

4           (2) the Soo Locks are the only waterway con-  
5           nection from Lake Superior to the Lower Great  
6           Lakes and the St. Lawrence Seaway;

7           (3) only the Poe Lock is of sufficient size to  
8           allow for the passage of the largest cargo vessels  
9           that transport well over 90 percent of all iron ore  
10          mined in the United States, and this lock is nearing  
11          the end of its 50-year useful lifespan;

12          (4) a report issued by the Office of Cyber and  
13          Infrastructure Analysis of the Department of Home-  
14          land Security concluded that an unscheduled 6-  
15          month outage of the Poe Lock would cause—

16                (A) a dramatic increase in national and re-  
17                gional unemployment; and

18                (B) 75 percent of Great Lakes steel pro-  
19                duction, and nearly all North American appli-  
20                ance, automobile, railcar, and construction,  
21                farm, and mining equipment production to  
22                cease;

23          (5) the Corps of Engineers is reevaluating a  
24          past economic evaluation report to update the ben-

1       efit-to-cost ratio for building a new lock at the Soo  
2       Locks; and

3               (6) the Secretary of the Army and all relevant  
4       Federal agencies should—

5               (A) expedite the completion of the report  
6       described in paragraph (5) and ensure the anal-  
7       ysis adequately reflects the critical importance  
8       of the Soo Locks infrastructure to the national  
9       security and economy of the United States; and

10              (B) expedite all other necessary reviews,  
11       analysis, and approvals needed to speed the re-  
12       quired upgrades at the Soo Locks.

13   **SEC. 361. U.S. SPECIAL OPERATIONS COMMAND CIVILIAN**  
14                           **PERSONNEL.**

15       Notwithstanding section 143 of title 10, United  
16   States Code, of the funds authorized to be appropriated  
17   by this Act for Operation and Maintenance, Defense-wide  
18   for United States Special Operations Command civilian  
19   personnel, not less than \$4,000,000 shall be used to fund  
20   additional civilian personnel in or directly supporting the  
21   office of the Assistant Secretary of Defense for Special  
22   Operations and Low-Intensity Conflict to support the As-  
23   sistant Secretary in fulfilling the additional responsibilities  
24   of the Assistant Secretary that were added by the amend-  
25   ments to sections 138(b)(4), 139b, and 167 of title 10,

1 United States Code, made by section 922 of the National  
2 Defense Authorization Act for Fiscal Year 2017 (Public  
3 Law 114–328).

4 **TITLE IV—MILITARY**  
5 **PERSONNEL AUTHORIZATIONS**

Subtitle A—Active Forces

Sec. 401. End strengths for active forces.

Sec. 402. Revisions in permanent active duty end strength minimum levels.

Subtitle B—Reserve Forces

Sec. 411. End strengths for Selected Reserve.

Sec. 412. End strengths for reserves on active duty in support of the reserves.

Sec. 413. End strengths for military technicians (dual status).

Sec. 414. Maximum number of reserve personnel authorized to be on active  
duty for operational support.

Subtitle C—Authorization of Appropriations

Sec. 421. Military personnel.

6 **Subtitle A—Active Forces**

7 **SEC. 401. END STRENGTHS FOR ACTIVE FORCES.**

8 The Armed Forces are authorized strengths for active  
9 duty personnel as of September 30, 2019, as follows:

10 (1) The Army, 487,500.

11 (2) The Navy, 335,400.

12 (3) The Marine Corps, 186,100.

13 (4) The Air Force, 329,100.

14 **SEC. 402. REVISIONS IN PERMANENT ACTIVE DUTY END**  
15 **STRENGTH MINIMUM LEVELS.**

16 Section 691(b) of title 10, United States Code, is  
17 amended by striking paragraphs (1) through (4) and in-  
18 serting the following new paragraphs:

1 “(1) For the Army, 487,500.

2 “(2) For the Navy, 335,400.

3 “(3) For the Marine Corps, 186,100.

4 “(4) For the Air Force, 329,100.”.

## 5 **Subtitle B—Reserve Forces**

### 6 **SEC. 411. END STRENGTHS FOR SELECTED RESERVE.**

7 (a) IN GENERAL.—The Armed Forces are authorized  
8 strengths for Selected Reserve personnel of the reserve  
9 components as of September 30, 2019, as follows:

10 (1) The Army National Guard of the United  
11 States, 343,500.

12 (2) The Army Reserve, 199,500.

13 (3) The Navy Reserve, 59,100.

14 (4) The Marine Corps Reserve, 38,500.

15 (5) The Air National Guard of the United  
16 States, 107,100.

17 (6) The Air Force Reserve, 70,000.

18 (7) The Coast Guard Reserve, 7,000.

19 (b) END STRENGTH REDUCTIONS.—The end  
20 strengths prescribed by subsection (a) for the Selected Re-  
21 serve of any reserve component shall be proportionately  
22 reduced by—

23 (1) the total authorized strength of units orga-  
24 nized to serve as units of the Selected Reserve of

1 such component which are on active duty (other  
2 than for training) at the end of the fiscal year; and

3 (2) the total number of individual members not  
4 in units organized to serve as units of the Selected  
5 Reserve of such component who are on active duty  
6 (other than for training or for unsatisfactory partici-  
7 pation in training) without their consent at the end  
8 of the fiscal year.

9 (c) **END STRENGTH INCREASES.**—Whenever units or  
10 individual members of the Selected Reserve of any reserve  
11 component are released from active duty during any fiscal  
12 year, the end strength prescribed for such fiscal year for  
13 the Selected Reserve of such reserve component shall be  
14 increased proportionately by the total authorized strengths  
15 of such units and by the total number of such individual  
16 members.

17 **SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE**  
18 **DUTY IN SUPPORT OF THE RESERVES.**

19 Within the end strengths prescribed in section  
20 411(a), the reserve components of the Armed Forces are  
21 authorized, as of September 30, 2019, the following num-  
22 ber of Reserves to be serving on full-time active duty or  
23 full-time duty, in the case of members of the National  
24 Guard, for the purpose of organizing, administering, re-  
25 cruiting, instructing, or training the reserve components:

1           (1) The Army National Guard of the United  
2 States, 30,595.

3           (2) The Army Reserve, 16,386.

4           (3) The Navy Reserve, 10,110.

5           (4) The Marine Corps Reserve, 2,261.

6           (5) The Air National Guard of the United  
7 States, 19,861.

8           (6) The Air Force Reserve, 3,849.

9 **SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS**  
10 **(DUAL STATUS).**

11       The minimum number of military technicians (dual  
12 status) as of the last day of fiscal year 2019 for the re-  
13 serve components of the Army and the Air Force (notwith-  
14 standing section 129 of title 10, United States Code) shall  
15 be the following:

16           (1) For the Army National Guard of the United  
17 States, 22,294.

18           (2) For the Army Reserve, 6,492.

19           (3) For the Air National Guard of the United  
20 States, 15,861.

21           (4) For the Air Force Reserve, 8,880.

1 **SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AU-**  
2 **THORIZED TO BE ON ACTIVE DUTY FOR**  
3 **OPERATIONAL SUPPORT.**

4 During fiscal year 2019, the maximum number of  
5 members of the reserve components of the Armed Forces  
6 who may be serving at any time on full-time operational  
7 support duty under section 115(b) of title 10, United  
8 States Code, is the following:

9 (1) The Army National Guard of the United  
10 States, 17,000.

11 (2) The Army Reserve, 13,000.

12 (3) The Navy Reserve, 6,200.

13 (4) The Marine Corps Reserve, 3,000.

14 (5) The Air National Guard of the United  
15 States, 16,000.

16 (6) The Air Force Reserve, 14,000.

17 **Subtitle C—Authorization of**  
18 **Appropriations**

19 **SEC. 421. MILITARY PERSONNEL.**

20 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
21 are hereby authorized to be appropriated for fiscal year  
22 2019 for the use of the Armed Forces and other activities  
23 and agencies of the Department of Defense for expenses,  
24 not otherwise provided for, for military personnel, as spec-  
25 ified in the funding table in section 4401.

1 (b) CONSTRUCTION OF AUTHORIZATION.—The au-  
2 thorization of appropriations in subsection (a) supersedes  
3 any other authorization of appropriations (definite or in-  
4 definite) for such purpose for fiscal year 2019.

5 **TITLE V—MILITARY PERSONNEL**  
6 **POLICY**

Subtitle A—Officer Personnel Policy

- Sec. 501. Repeal of requirement for ability to complete 20 years of service by age 62 as qualification for original appointment as a regular commissioned officer.
- Sec. 502. Enhancement of availability of constructive service credit for private sector training or experience upon original appointment as a commissioned officer.
- Sec. 503. Standardized temporary promotion authority across the military departments for officers in certain grades with critical skills.
- Sec. 504. Authority for promotion boards to recommend officers of particular merit be placed higher on a promotion list.
- Sec. 505. Authority for officers to opt out of promotion board consideration.
- Sec. 506. Applicability to additional officer grades of authority for continuation on active duty of officers in certain military specialties and career tracks.
- Sec. 507. Alternative promotion authority for officers in designated competitive categories of officers.
- Sec. 508. Attending Physician to the Congress.
- Sec. 509. Matters relating to satisfactory service in grade for purposes of retirement grade of officers in highest grade of satisfactory service.
- Sec. 510. Grades of Chiefs of Chaplains.
- Sec. 511. Repeal of original appointment qualification requirement for warrant officers in the regular Army.
- Sec. 512. Reduction in number of years of active naval service required for permanent appointment as a limited duty officer.
- Sec. 513. Authority to designate certain reserve officers as not to be considered for selection for promotion.
- Sec. 514. GAO review of surface warfare career paths.

Subtitle B—Reserve Component Management

- Sec. 515. Authorized strength and distribution in grade.
- Sec. 516. Repeal of prohibition on service on Army Reserve Forces Policy Committee by members on active duty.
- Sec. 517. Expansion of personnel subject to authority of the Chief of the National Guard Bureau in the execution of functions and missions of the National Guard Bureau.
- Sec. 518. Authority to adjust effective date of promotion in the event of undue delay in extending Federal recognition of promotion.
- Sec. 519. National Guard Youth Challenge Program.

- Sec. 520. Extension of authority for pilot program on use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters.

Subtitle C—General Service Authorities and Correction of Military Records

- Sec. 521. Enlistments vital to the national interest.  
Sec. 522. Statement of benefits.  
Sec. 523. Modification to forms of support that may be accepted in support of the mission of the Defense POW/MIA Accounting Agency.  
Sec. 524. Assessment of Navy standard workweek and related adjustments.  
Sec. 525. Notification on manning of afloat naval forces.  
Sec. 526. Navy watchstander records.  
Sec. 527. Qualification experience requirements for certain Navy watchstations.

Subtitle D—Military Justice

- Sec. 531. Inclusion of strangulation and suffocation in conduct constituting aggravated assault for purposes of the Uniform Code of Military Justice.  
Sec. 532. Punitive article on domestic violence under the Uniform Code of Military Justice.  
Sec. 533. Authorities of Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces.  
Sec. 534. Report on feasibility of expanding services of the Special Victims' Counsel to victims of domestic violence.  
Sec. 535. Uniform command action form on disposition of unrestricted sexual assault cases involving members of the Armed Forces.  
Sec. 536. Standardization of policies related to expedited transfer in cases of sexual assault or domestic violence.

Subtitle E—Other Legal Matters

- Sec. 541. Clarification of expiration of term of appellate military judges of the United States Court of Military Commission Review.  
Sec. 542. Security clearance reinvestigation of certain personnel who commit certain offenses.  
Sec. 543. Development of oversight plan for implementation of Department of Defense harassment prevention and response policy.  
Sec. 544. Oversight of registered sex offender management program.  
Sec. 545. Development of resource guides regarding sexual assault for the military service academies.  
Sec. 546. Improved crime reporting.  
Sec. 547. Report on victims of sexual assault in reports of military criminal investigative organizations.

Subtitle F—Member Education, Training, Resilience, and Transition

- Sec. 551. Permanent career intermission program.  
Sec. 552. Improvements to Transition Assistance Program.  
Sec. 553. Repeal of program on encouragement of postseparation public and community service.  
Sec. 554. Clarification of application and honorable service requirements under the Troops-to-Teachers Program to members of the Retired Reserve.  
Sec. 555. Employment and compensation of civilian faculty members at the Joint Special Operations University.

- Sec. 556. Program to assist members of the Armed Forces in obtaining professional credentials.
- Sec. 557. Enhancement of authorities in connection with Junior Reserve Officers' Training Corps programs.
- Sec. 558. Expansion of period of availability of Military OneSource program for retired and discharged members of the Armed Forces and their immediate families.
- Sec. 559. Prohibition on use of funds for attendance of enlisted personnel at senior level and intermediate level officer professional military education courses.

#### Subtitle G—Defense Dependents' Education

- Sec. 561. Assistance to schools with military dependent students.
- Sec. 562. Department of Defense Education Activity policies and procedures on sexual harassment of students of Activity schools.
- Sec. 563. Department of Defense Education Activity misconduct database.
- Sec. 564. Assessment and report on active shooter threat mitigation at schools located on military installations.

#### Subtitle H—Military Family Readiness Matters

- Sec. 571. Department of Defense Military Family Readiness Council matters.
- Sec. 572. Enhancement and clarification of family support services for family members of members of special operations forces.
- Sec. 573. Temporary expansion of authority for noncompetitive appointments of military spouses by Federal agencies.
- Sec. 574. Improvement of My Career Advancement Account program for military spouses.
- Sec. 575. Assessment and report on the effects of permanent changes of station on employment among military spouses.
- Sec. 576. Provisional or interim clearances to provide childcare services at military childcare centers.
- Sec. 577. Multidisciplinary teams for military installations on child abuse and other domestic violence.
- Sec. 578. Pilot program for military families: prevention of child abuse and training on safe childcare practices.
- Sec. 579. Assessment and report on small business activities of military spouses on military installations in the United States.

#### Subtitle I—Decorations and Awards

- Sec. 581. Atomic veterans service certificate.
- Sec. 582. Award of medals or other commendations to handlers of military working dogs.
- Sec. 583. Authorization for award of distinguished-service cross to Justin T. Gallegos for acts of valor during Operation Enduring Freedom.

#### Subtitle J—Miscellaneous Reports and Other Matters

- Sec. 591. Annual defense manpower requirements report matters.
- Sec. 592. Burial of unclaimed remains of inmates at the United States Disciplinary Barracks Cemetery, Fort Leavenworth, Kansas.
- Sec. 593. Standardization of frequency of academy visits of the Air Force Academy Board of Visitors with academy visits of boards of other military service academies.

- Sec. 594. National Commission on Military, National, and Public Service matters.
- Sec. 595. Public availability of top-line numbers of deployed members of the Armed Forces.
- Sec. 596. Report on general and flag officer costs.
- Sec. 597. Study on active service obligations for medical training with other service obligations for education or training and health professional recruiting.
- Sec. 598. Criteria for interment at Arlington National Cemetery.
- Sec. 599. Limitation on use of funds pending submittal of report on Army Marketing and Advertising Program.
- Sec. 600. Proof of period of military service for purposes of interest rate limitation under the Servicemembers Civil Relief Act.

1           **Subtitle A—Officer Personnel**  
2                                   **Policy**

3   **SEC. 501. REPEAL OF REQUIREMENT FOR ABILITY TO COM-**  
4                                   **plete 20 Years of Service by Age 62 as**  
5                                   **Qualification for Original Appoint-**  
6                                   **ment as a Regular Commissioned Offi-**  
7                                   **cer.**

8           (a) REPEAL.—Subsection (a) of section 532 of title  
9 10, United States Code, is amended—

10                   (1) by striking paragraph (2); and

11                   (2) by redesignating paragraphs (3), (4), and  
12                   (5) as paragraphs (2), (3), and (4), respectively.

13           (b) CONFORMING AMENDMENT.—Such section is fur-  
14 ther amended by striking subsection (d).

15           (c) EFFECTIVE DATE.—The amendments made by  
16 this section shall take effect on the date of the enactment  
17 of this Act, and shall apply with respect to original ap-  
18 pointments of regular commissioned officers of the Armed  
19 Forces made on or after that date.

1 **SEC. 502. ENHANCEMENT OF AVAILABILITY OF CONSTRUC-**  
2 **TIVE SERVICE CREDIT FOR PRIVATE SECTOR**  
3 **TRAINING OR EXPERIENCE UPON ORIGINAL**  
4 **APPOINTMENT AS A COMMISSIONED OFFI-**  
5 **CER.**

6 (a) REGULAR OFFICERS.—

7 (1) IN GENERAL.—Subsection (b) of section  
8 533 of title 10, United States Code, is amended—

9 (A) in paragraph (1), by striking subpara-  
10 graph (D) and inserting the following new sub-  
11 paragraph (D):

12 “(D) Additional credit for special training or  
13 experience in a particular officer career field as des-  
14 ignated by the Secretary concerned, if such training  
15 or experience is directly related to the operational  
16 needs of the armed force concerned.”; and

17 (B) in paragraph (2)—

18 (i) by striking “Except as authorized  
19 by the Secretary concerned in individual  
20 cases and under regulations prescribed by  
21 the Secretary of Defense in the case of a  
22 medical or dental officer, the amount” and  
23 inserting “The amount”; and

24 (ii) by striking “in the grade of major  
25 in the Army, Air Force, or Marine Corps  
26 or lieutenant commander in the Navy” and

1           inserting “in the grade of colonel in the  
2           Army, Air Force, or Marine Corps or cap-  
3           tain in the Navy”.

4           (2) REPEAL OF TEMPORARY AUTHORITY FOR  
5           SERVICE CREDIT FOR CRITICALLY NECESSARY  
6           CYBERSPACE-RELATED EXPERIENCE.—Such section  
7           is further amended—

8                   (A) in subsections (a)(2) and (c), by strik-  
9                   ing “or (g)”; and

10                   (B) by striking subsection (g).

11           (b) RESERVE OFFICERS.—

12                   (1) IN GENERAL.—Subsection (b) of section  
13                   12207 of title 10, United States Code, is amended—

14                           (A) in paragraph (1), by striking subpara-  
15                           graph (D) and inserting the following new sub-  
16                           paragraph (D):

17                                   “(D) Additional credit for special training or  
18                                   experience in a particular officer career field as des-  
19                                   ignated by the Secretary concerned, if such training  
20                                   or experience is directly related to the operational  
21                                   needs of the armed force concerned.”; and

22                                   (B) by striking paragraph (3) and insert-  
23                                   ing the following new paragraph (3):

24                                   “(3) The amount of constructive service credit cred-  
25                                   ited to an officer under this subsection may not exceed

1 the amount required in order for the officer to be eligible  
2 for an original appointment as a reserve officer of the  
3 Army, Air Force, or Marine Corps in the grade of colonel  
4 or as a reserve officer of the Navy in the grade of cap-  
5 tain.”.

6 (2) REPEAL OF TEMPORARY AUTHORITY FOR  
7 SERVICE CREDIT FOR CRITICALLY NECESSARY  
8 CYBERSPACE-RELATED EXPERIENCE.—Such section  
9 is further amended—

10 (A) by striking subsection (e);

11 (B) by redesignating subsections (f) and  
12 (g) as subsections (e) and (f), respectively; and

13 (C) in subsection (e), as redesignated by  
14 subparagraph (B), by striking “, (d), or (e)”  
15 and inserting “or (d)”.

16 **SEC. 503. STANDARDIZED TEMPORARY PROMOTION AU-**  
17 **THORITY ACROSS THE MILITARY DEPART-**  
18 **MENTS FOR OFFICERS IN CERTAIN GRADES**  
19 **WITH CRITICAL SKILLS.**

20 (a) STANDARDIZED TEMPORARY PROMOTION AU-  
21 THORITY.—

22 (1) IN GENERAL.—Chapter 35 of title 10,  
23 United States Code, is amended by adding at the  
24 end the following new section:

1 **“§ 605. Promotion to certain grades for officers with**  
2 **critical skills: colonel, lieutenant colonel,**  
3 **major, captain; captain, commander, lieu-**  
4 **tenant commander, lieutenant**

5 “(a) IN GENERAL.—An officer in the grade of first  
6 lieutenant, captain, major, or lieutenant colonel in the  
7 Army, Air Force, or Marine Corps, or lieutenant (junior  
8 grade), lieutenant, lieutenant commander, or commander  
9 in the Navy, who is described in subsection (b) may be  
10 temporarily promoted to the grade of captain, major, lieu-  
11 tenant colonel, or colonel in the Army, Air Force, or Ma-  
12 rine Corps, or lieutenant, lieutenant commander, com-  
13 mander, or captain in the Navy, as applicable, under regu-  
14 lations prescribed by the Secretary of the military depart-  
15 ment concerned. Appointments under this section shall be  
16 made by the President, by and with the advice and consent  
17 of the Senate.

18 “(b) COVERED OFFICERS.—An officer described in  
19 this subsection is any officer in a grade specified in sub-  
20 section (a) who—

21 “(1) has a skill in which the armed force con-  
22 cerned has a critical shortage of personnel (as deter-  
23 mined by the Secretary of the military department  
24 concerned); and

1           “(2) is serving in a position (as determined by  
2           the Secretary of the military department concerned)  
3           that—

4                   “(A) is designated to be held by a captain,  
5                   major, lieutenant colonel, or colonel in the  
6                   Army, Air Force, or Marine Corps, or lieuten-  
7                   ant, lieutenant commander, commander, or cap-  
8                   tain in the Navy, as applicable; and

9                   “(B) requires that an officer serving in  
10                  such position have the skill possessed by such  
11                  officer.

12           “(c) PRESERVATION OF POSITION AND STATUS OF  
13 OFFICERS APPOINTED.—An appointment under this sec-  
14 tion does not change the position on the active-duty list  
15 or the permanent, probationary, or acting status of the  
16 officer so appointed, prejudice the officer in regard to  
17 other promotions or appointments, or abridge the rights  
18 or benefits of the officer.

19           “(d) BOARD RECOMMENDATION REQUIRED.—A tem-  
20 porary promotion under this section may be made only  
21 upon the recommendation of a board of officers convened  
22 by the Secretary of the military department concerned for  
23 the purpose of recommending officers for such promotions.

24           “(e) ACCEPTANCE AND EFFECTIVE DATE OF AP-  
25 POINTMENT.—Each appointment under this section, un-

1 less expressly declined, is, without formal acceptance, re-  
2 garded as accepted on the date such appointment is made,  
3 and a member so appointed is entitled to the pay and al-  
4 lowances of the grade of the temporary promotion under  
5 this section from the date the appointment is made.

6 “(f) TERMINATION OF APPOINTMENT.—Unless soon-  
7 er terminated, an appointment under this section termi-  
8 nates—

9 “(1) on the date the officer who received the  
10 appointment is promoted to the permanent grade of  
11 captain, major, lieutenant colonel, or colonel in the  
12 Army, Air Force, or Marine Corps, or lieutenant,  
13 lieutenant commander, commander, or captain in the  
14 Navy; or

15 “(2) on the date the officer is detached from a  
16 position described in subsection (b)(2), unless the of-  
17 ficer is on a promotion list to the permanent grade  
18 of captain, major, lieutenant colonel, or colonel in  
19 the Army, Air Force, or Marine Corps, or lieutenant,  
20 lieutenant commander, commander, or captain in the  
21 Navy, in which case the appointment terminates on  
22 the date the officer is promoted to that grade.

23 “(g) LIMITATION ON NUMBER OF ELIGIBLE POSI-  
24 TIONS.—An appointment under this section may only be  
25 made for service in a position designated by the Secretary

1 of the military department concerned for the purposes of  
2 this section. The number of positions so designated may  
3 not exceed the following:

4 “(1) In the case of the Army—

5 “(A) as captain, 120;

6 “(B) as major, 350;

7 “(C) as lieutenant colonel, 200; and

8 “(D) as colonel, 100.

9 “(2) In the case of the Air Force—

10 “(A) as captain, 100;

11 “(B) as major, 325;

12 “(C) as lieutenant colonel, 175; and

13 “(D) as colonel, 80.

14 “(3) In the case of the Marine Corps—

15 “(A) as captain, 50;

16 “(B) as major, 175;

17 “(C) as lieutenant colonel, 100; and

18 “(D) as colonel, 50.

19 “(4) In the case of the Navy—

20 “(A) as lieutenant, 100;

21 “(B) as lieutenant commander, 325;

22 “(C) as commander, 175; and

23 “(D) as captain, 80.”.

24 (2) CLERICAL AMENDMENT.—The table of sec-  
25 tions at the beginning of chapter 35 of such title is

1 amended by adding at the end the following new  
2 item:

“605. Promotion to certain grades for officers with critical skills: colonel, lieutenant colonel, major, captain; captain, commander, lieutenant commander, lieutenant.”.

3 (b) REPEAL OF SUPERSEDED AUTHORITY APPLICA-  
4 BLE TO NAVY LIEUTENANTS.—

5 (1) REPEAL.—Chapter 544 of title 10, United  
6 States Code, is repealed.

7 (2) CLERICAL AMENDMENTS.—The tables of  
8 chapters at the beginning of title 10, United States  
9 Code, and at the beginning of subtitle C of such  
10 title, are each amended by striking the item relating  
11 to chapter 544.

12 **SEC. 504. AUTHORITY FOR PROMOTION BOARDS TO REC-**  
13 **COMMEND OFFICERS OF PARTICULAR MERIT**  
14 **BE PLACED HIGHER ON A PROMOTION LIST.**

15 (a) IN GENERAL.—Section 616 of title 10, United  
16 States Code, is amended by adding at the end the fol-  
17 lowing new subsection:

18 “(g)(1) In selecting the officers to be recommended  
19 for promotion, a selection board may, when authorized by  
20 the Secretary of the military department concerned, rec-  
21 ommend officers of particular merit, from among those of-  
22 ficers selected for promotion, to be placed higher on the  
23 promotion list established by the Secretary under section  
24 624(a)(1) of this title.

1           “(2) An officer may be recommended to be placed  
2 higher on a promotion list under paragraph (1) only if  
3 the officer receives the recommendation of at least a ma-  
4 jority of the members of the board, unless the Secretary  
5 concerned establishes an alternative requirement. Any  
6 such alternative requirement shall be furnished to the  
7 board as part of the guidelines furnished to the board  
8 under section 615 of this title.

9           “(3) For the officers recommended to be placed high-  
10 er on a promotion list under paragraph (1), the board  
11 shall recommend the order in which those officers should  
12 be placed on the list.”.

13           (b) PROMOTION SELECTION BOARD REPORTS REC-  
14 OMMENDING OFFICERS OF PARTICULAR MERIT BE  
15 PLACED HIGHER ON PROMOTION LIST.—Section 617 of  
16 such title is amended by adding at the end the following  
17 new subsection:

18           “(d) A selection board convened under section 611(a)  
19 of this title shall, when authorized under section 616(g)  
20 of this title, include in its report to the Secretary con-  
21 cerned the names of those officers recommended by the  
22 board to be placed higher on the promotion list and the  
23 order in which the board recommends that those officers  
24 should be placed on the list.”.

1 (c) OFFICERS OF PARTICULAR MERIT APPEARING  
2 HIGHER ON PROMOTION LIST.—Section 624(a)(1) of  
3 such title is amended in the first sentence by adding at  
4 the end “or based on particular merit, as determined by  
5 the promotion board”.

6 **SEC. 505. AUTHORITY FOR OFFICERS TO OPT OUT OF PRO-**  
7 **MOTION BOARD CONSIDERATION.**

8 (a) ACTIVE-DUTY LIST OFFICERS.—Section 619 of  
9 title 10, United States Code, is amended—

10 (1) in subsection (d), by adding at the end the  
11 following new paragraph:

12 “(6) An officer excluded under subsection (e).”;

13 and

14 (2) by adding at the end the following new sub-  
15 section:

16 “(e) AUTHORITY TO ALLOW OFFICERS TO OPT OUT  
17 OF SELECTION BOARD CONSIDERATION.—(1) The Sec-  
18 retary of a military department may provide that an offi-  
19 cer under the jurisdiction of the Secretary may, upon the  
20 officer’s request and with the approval of the Secretary,  
21 be excluded from consideration by a selection board con-  
22 vened under section 611(a) of this title to consider officers  
23 for promotion to the next higher grade.

24 “(2) The Secretary concerned may only approve a re-  
25 quest under paragraph (1) if—

1           “(A) the basis for the request is to allow an of-  
2           ficer to complete a broadening assignment, advanced  
3           education, another assignment of significant value to  
4           the Department, or a career progression requirement  
5           delayed by the assignment or education;

6           “(B) the Secretary determines the exclusion  
7           from consideration is in the best interest of the mili-  
8           tary department concerned; and

9           “(C) the officer has not previously failed of se-  
10          lection for promotion to the grade for which the offi-  
11          cer requests the exclusion from consideration.”.

12          (b) RESERVE ACTIVE-STATUS LIST OFFICERS.—Sec-  
13          tion 14301 of such title is amended—

14                 (1) in subsection (c)—

15                         (A) in the subsection heading, by striking  
16                         “PREVIOUSLY SELECTED OFFICERS NOT ELI-  
17                         GIBLE” and inserting “CERTAIN OFFICERS  
18                         NOT”; and

19                         (B) by adding at the end the following new  
20                         paragraph:

21                                 “(6) An officer excluded under subsection (j).”;

22          and

23                 (2) by adding at the end the following new sub-  
24                 section:

1       “(j) AUTHORITY TO ALLOW OFFICERS TO OPT OUT  
2 OF SELECTION BOARD CONSIDERATION.—(1) The Sec-  
3 retary of a military department may provide that an offi-  
4 cer under the jurisdiction of the Secretary may, upon the  
5 officer’s request and with the approval of the Secretary,  
6 be excluded from consideration by a selection board con-  
7 vened under section 14101(a) of this title to consider offi-  
8 cers for promotion to the next higher grade.

9       “(2) The Secretary concerned may only approve a re-  
10 quest under paragraph (1) if—

11           “(A) the basis for the request is to allow an of-  
12 ficer to complete a broadening assignment, advanced  
13 education, another assignment of significant value to  
14 the Department, or a career progression requirement  
15 delayed by the assignment or education;

16           “(B) the Secretary determines the exclusion  
17 from consideration is in the best interest of the mili-  
18 tary department concerned; and

19           “(C) the officer has not previously failed of se-  
20 lection for promotion to the grade for which the offi-  
21 cer requests the exclusion from consideration.”.

1 **SEC. 506. APPLICABILITY TO ADDITIONAL OFFICER**  
2 **GRADES OF AUTHORITY FOR CONTINUATION**  
3 **ON ACTIVE DUTY OF OFFICERS IN CERTAIN**  
4 **MILITARY SPECIALTIES AND CAREER**  
5 **TRACKS.**

6 Section 637a(a) of title 10, United States Code, is  
7 amended—

8 (1) by striking “grade O–4” and inserting  
9 “grade O–2”; and

10 (2) by inserting “632,” before “633,”.

11 **SEC. 507. ALTERNATIVE PROMOTION AUTHORITY FOR OF-**  
12 **FICERS IN DESIGNATED COMPETITIVE CAT-**  
13 **EGORIES OF OFFICERS.**

14 (a) ALTERNATIVE PROMOTION AUTHORITY.—

15 (1) IN GENERAL.—Chapter 36 of title 10,  
16 United States Code, is amended by adding at the  
17 end the following new subchapter:

18 “SUBCHAPTER VI—ALTERNATIVE PROMOTION  
19 AUTHORITY FOR OFFICERS IN DES-  
20 IGNATED COMPETITIVE CATEGORIES

“Sec.

“649a. Officers in designated competitive categories.

“649b. Selection for promotion.

“649c. Eligibility for consideration for promotion.

“649d. Opportunities for consideration for promotion.

“649e. Promotions.

“649f. Failure of selection for promotion.

“649g. Retirement: retirement for years of service; selective early retirement.

“649h. Continuation on active duty.

“649i. Continuation on active duty: officers in certain military specialties and  
career tracks.

“649j. Other administrative authorities.

“649k. Regulations.

1 **“§ 649a. Officers in designated competitive categories**

2 “(a) AUTHORITY TO DESIGNATE COMPETITIVE CAT-  
3 EGORIES OF OFFICERS.—Each Secretary of a military de-  
4 partment may designate one or more competitive cat-  
5 egories for promotion of officers under section 621 of this  
6 title that are under the jurisdiction of such Secretary as  
7 a competitive category of officers whose promotion, retire-  
8 ment, and continuation on active duty shall be subject to  
9 the provisions of this subchapter.

10 “(b) LIMITATION ON EXERCISE OF AUTHORITY.—  
11 The Secretary of a military department may not designate  
12 a competitive category of officers for purposes of this sub-  
13 chapter until 60 days after the date on which the Sec-  
14 retary submits to the Committees on Armed Services of  
15 the Senate and the House of Representatives a report on  
16 the designation of the competitive category. The report on  
17 the designation of a competitive category shall set forth  
18 the following:

19 “(1) A detailed description of officer require-  
20 ments for officers within the competitive category.

21 “(2) An explanation of the number of opportu-  
22 nities for consideration for promotion to each par-  
23 ticular grade, and an estimate of promotion timing,  
24 within the competitive category.

1           “(3) An estimate of the size of the promotion  
2           zone for each grade within the competitive category.

3           “(4) A description of any other matters the  
4           Secretary considered in determining to designate the  
5           competitive category for purposes of this subchapter.

6   **“§ 649b. Selection for promotion**

7           “(a) IN GENERAL.—Except as provided in this sec-  
8           tion, the selection for promotion of officers in any competi-  
9           tive category of officers designated for purposes of this  
10          subchapter shall be governed by the provisions of sub-  
11          chapter I of this chapter.

12          “(b) NO RECOMMENDATION FOR PROMOTION OF OF-  
13          FICERS BELOW PROMOTION ZONE.—Section 616(b) of  
14          this title shall not apply to the selection for promotion of  
15          officers described in subsection (a).

16          “(c) RECOMMENDATION FOR OFFICERS TO BE EX-  
17          CLUDED FROM FUTURE CONSIDERATION FOR PRO-  
18          MOTION.—In making recommendations pursuant to sec-  
19          tion 616 of this title for purposes of the administration  
20          of this subchapter, a selection board convened under sec-  
21          tion 611(a) of this title may recommend that an officer  
22          considered by the board be excluded from future consider-  
23          ation for promotion under this chapter.

1 **“§ 649c. Eligibility for consideration for promotion**

2 “(a) IN GENERAL.—Except as provided by this sec-  
3 tion, eligibility for promotion of officers in any competitive  
4 category of officers designated for purposes of this sub-  
5 chapter shall be governed by the provisions of section 619  
6 of this title.

7 “(b) INAPPLICABILITY OF CERTAIN TIME-IN-GRADE  
8 REQUIREMENTS.—Paragraphs (2) through (4) of section  
9 619(a) of this title shall not apply to the promotion of  
10 officers described in subsection (a).

11 “(c) INAPPLICABILITY TO OFFICERS ABOVE AND  
12 BELOW PROMOTION ZONE.—The following provisions of  
13 section 619(c) of this title shall not apply to the promotion  
14 of officers described in subsection (a):

15 “(1) The reference in paragraph (1) of that sec-  
16 tion to an officer above the promotion zone.

17 “(2) Paragraph (2)(A) of that section.

18 “(d) INELIGIBILITY OF CERTAIN OFFICERS.—The  
19 following officers are not eligible for promotion under this  
20 subchapter:

21 “(1) An officer described in section 619(d) of  
22 this title.

23 “(2) An officer not included within the pro-  
24 motion zone.

25 “(3) An officer who has failed of promotion to  
26 a higher grade the maximum number of times speci-

1       fied for opportunities for promotion for such grade  
2       within the competitive category concerned pursuant  
3       to section 649d of this title.

4               “(4) An officer recommended by a selection  
5       board to be removed from consideration for pro-  
6       motion in accordance with section 649b(c) of this  
7       title.

8       **“§ 649d. Opportunities for consideration for pro-**  
9               **motion**

10       “(a) SPECIFICATION OF NUMBER OF OPPORTUNI-  
11       TIES FOR CONSIDERATION FOR PROMOTION.—In desig-  
12       nating a competitive category of officers pursuant to sec-  
13       tion 649a of this title, the Secretary of a military depart-  
14       ment shall specify the number of opportunities for consid-  
15       eration for promotion to be afforded officers of the armed  
16       force concerned within the category for promotion to each  
17       grade above the grade of first lieutenant or lieutenant  
18       (junior grade), as applicable.

19       “(b) LIMITED AUTHORITY OF SECRETARY OF MILI-  
20       TARY DEPARTMENT TO MODIFY NUMBER OF OPPORTUNI-  
21       TIES.—The Secretary of a military department may mod-  
22       ify the number of opportunities for consideration for pro-  
23       motion to be afforded officers of an armed force within  
24       a competitive category for promotion to a particular grade,  
25       as previously specified by the Secretary pursuant sub-

1 section (a) or this subsection, not more frequently than  
2 once every five years.

3 “(c) DISCRETIONARY AUTHORITY OF SECRETARY OF  
4 DEFENSE TO MODIFY NUMBER OF OPPORTUNITIES.—  
5 The Secretary of Defense may modify the number of op-  
6 portunities for consideration for promotion to be afforded  
7 officers of an armed force within a competitive category  
8 for promotion to a particular grade, as previously specified  
9 or modified pursuant to any provision of this section, at  
10 the discretion of the Secretary.

11 “(d) LIMITATION ON NUMBER OF OPPORTUNITIES  
12 SPECIFIED.—The number of opportunities for consider-  
13 ation for promotion to be afforded officers of an armed  
14 force within a competitive category for promotion to a par-  
15 ticular grade, as specified or modified pursuant to any  
16 provision of this section, may not exceed five opportuni-  
17 ties.

18 “(e) EFFECT OF CERTAIN REDUCTION IN NUMBER  
19 OF OPPORTUNITIES SPECIFIED.—If, by reason of a reduc-  
20 tion in the number of opportunities for consideration for  
21 promotion under this section, an officer would no longer  
22 have one or more opportunities for consideration for pro-  
23 motion that were available to the officer before the reduc-  
24 tion, the officer shall be afforded one additional oppor-  
25 tunity for consideration for promotion after the reduction.

1 **“§ 649e. Promotions**

2 “Sections 620 through 626 of this title shall apply  
3 in promotions of officers in competitive categories of offi-  
4 cers designated for purposes of this subchapter.

5 **“§ 649f. Failure of selection for promotion**

6 “(a) IN GENERAL.—Except as provided in this sec-  
7 tion, sections 627 through 632 of this title shall apply to  
8 promotions of officers in competitive categories of officers  
9 designated for purposes of this subchapter.

10 “(b) INAPPLICABILITY OF FAILURE OF SELECTION  
11 FOR PROMOTION TO OFFICERS ABOVE PROMOTION  
12 ZONE.—The reference in section 627 of this title to an  
13 officer above the promotion zone shall not apply in the  
14 promotion of officers described in subsection (a).

15 “(c) SPECIAL SELECTION BOARD MATTERS.—The  
16 reference in section 628(a)(1) of this title to a person  
17 above the promotion zone shall not apply in the promotion  
18 of officers described in subsection (a).

19 “(d) EFFECT OF FAILURE OF SELECTION.—In the  
20 administration of this subchapter pursuant to subsection  
21 (a)—

22 “(1) an officer described in subsection (a) shall  
23 not be deemed to have failed twice of selection for  
24 promotion for purposes of section 629(e)(2) of this  
25 title until the officer has failed selection of pro-  
26 motion to the next higher grade the maximum num-

1       ber of times specified for opportunities for pro-  
2       motion to such grade within the competitive category  
3       concerned pursuant to section 649d of this title; and  
4               “(2) any reference in section 631(a) or 632(a)  
5       of this title to an officer who has failed of selection  
6       for promotion to the next higher grade for the sec-  
7       ond time shall be deemed to refer instead to an offi-  
8       cer described in subsection (a) who has failed of se-  
9       lection for promotion to the next higher grade for  
10      the maximum number of times specified for opportu-  
11      nities for promotion to such grade within the com-  
12      petitive category concerned pursuant to such section  
13      649d.

14   **“§ 649g. Retirement: retirement for years of service;**  
15               **selective early retirement**

16       “(a) RETIREMENT FOR YEARS OF SERVICES.—Sec-  
17      tions 633 through 636 of this title shall apply to the retire-  
18      ment of officers in competitive categories of officers des-  
19      ignated for purposes of this subchapter.

20       “(b) SELECTIVE EARLY RETIREMENT.—Sections  
21      638 and 638a of this title shall apply to the retirement  
22      of officers described in subsection (a).

23   **“§ 649h. Continuation on active duty**

24       “(a) IN GENERAL.—An officer subject to discharge  
25      or retirement pursuant to this subchapter may, subject to

1 the needs of the service, be continued on active duty if  
2 the officer is selected for continuation on active duty in  
3 accordance with this section by a selection board convened  
4 under section 611(b) of this title.

5 “(b) IDENTIFICATION OF POSITIONS FOR OFFICERS  
6 CONTINUED ON ACTIVE DUTY.—

7 “(1) IN GENERAL.—Officers may be selected  
8 for continuation on active duty pursuant to this sec-  
9 tion only for assignment to positions identified by  
10 the Secretary of the military department concerned  
11 for which vacancies exist or are anticipated to exist.

12 “(2) IDENTIFICATION.—Before convening a se-  
13 lection board pursuant to section 611(b) of this title  
14 for purposes of selection of officers for continuation  
15 on active duty pursuant to this section, the Sec-  
16 retary of the military department concerned shall  
17 specify for purposes of the board the positions iden-  
18 tified by the Secretary to which officers selected for  
19 continuation on active duty may be assigned.

20 “(c) RECOMMENDATION FOR CONTINUATION.—A se-  
21 lection board may recommend an officer for continuation  
22 on active duty pursuant to this section only if the board  
23 determines that the officer is qualified for assignment to  
24 one or more positions identified pursuant to subsection (b)  
25 on the basis of skills, knowledge, and behavior required

1 of an officer to perform successfully in such position or  
2 positions.

3 “(d) APPROVAL OF SECRETARY OF MILITARY DE-  
4 PARTMENT.—Continuation of an officer on active duty  
5 under this section pursuant to the action of a selection  
6 board is subject to the approval of the Secretary of the  
7 military department concerned.

8 “(e) NONACCEPTANCE OF CONTINUATION.—An offi-  
9 cer who is selected for continuation on active duty pursu-  
10 ant to this section, but who declines to continue on active  
11 duty, shall be discharged or retired, as appropriate, in ac-  
12 cordance with section 632 of this title.

13 “(f) PERIOD OF CONTINUATION.—

14 “(1) IN GENERAL.—An officer continued on ac-  
15 tive duty pursuant to this section shall remain on  
16 active duty, and serve in the position to which as-  
17 signed (or in another position to which assigned with  
18 the approval of the Secretary of the military depart-  
19 ment concerned), for a total of not more than three  
20 years after the date of assignment to the position to  
21 which first so assigned.

22 “(2) ADDITIONAL CONTINUATION.—An officer  
23 whose continued service pursuant to this section  
24 would otherwise expire pursuant to paragraph (1)  
25 may be continued on active duty if selected for con-

1 continuation on active duty in accordance with this sec-  
2 tion before the date of expiration pursuant to that  
3 paragraph.

4 “(g) EFFECT OF EXPIRATION OF CONTINUATION.—  
5 Each officer continued on active duty pursuant to this  
6 subsection who is not selected for continuation on active  
7 duty pursuant to subsection (f)(2) at the completion of  
8 the officer’s term of continued service shall, unless sooner  
9 discharged or retired under another provision of law—

10 “(1) be discharged upon the expiration of the  
11 term of continued service; or

12 “(2) if eligible for retirement under another  
13 other provision of law, be retired under that law on  
14 the first day of the first month following the month  
15 in which the officer completes the term of continued  
16 service.

17 “(h) TREATMENT OF DISCHARGE OR RETIRE-  
18 MENT.—The discharge or retirement of an officer pursu-  
19 ant to this section shall be considered to be an involuntary  
20 discharge or retirement for purposes of any other provi-  
21 sion of law.

1 **“§ 649i. Continuation on active duty: officers in cer-**  
2 **tain military specialties and career**  
3 **tracks**

4 “In addition to continuation on active duty provided  
5 for in section 649h of this title, an officer to whom section  
6 637a of this title applies may be continued on active duty  
7 in accordance with the provisions of such section 637a.

8 **“§ 649j. Other administrative authorities**

9 “(a) IN GENERAL.—The following provisions of this  
10 title shall apply to officers in competitive categories of offi-  
11 cers designated for purposes of this subchapter:

12 “(1) Section 638b, relating to voluntary retire-  
13 ment incentives.

14 “(2) Section 639, relating to continuation on  
15 active duty to complete disciplinary action.

16 “(3) Section 640, relating to deferment of re-  
17 tirement or separation for medical reasons.

18 **“§ 649k. Regulations**

19 “The Secretary of Defense shall prescribe regulations  
20 regarding the administration of this subchapter. The ele-  
21 ments of such regulations shall include mechanisms to  
22 clarify the manner in which provisions of other sub-  
23 chapters of this chapter shall be used in the administra-  
24 tion of this subchapter in accordance with the provisions  
25 of this subchapter.”.

1           (2) CLERICAL AMENDMENT.—The table of sub-  
2 chapters at the beginning of chapter 36 of such title  
3 is amended by adding at the end the following new  
4 item:

**“VI. Alternative Promotion Authority for Officers in  
Designated Competitive Categories ..... 649a”.**

5           (b) REPORT.—

6           (1) IN GENERAL.—Not later than 180 days  
7 after the date of the enactment of this Act, the Sec-  
8 retary of Defense shall, in consultation with the Sec-  
9 retaries of the military departments, submit to the  
10 Committees on Armed Services of the Senate and  
11 the House of Representatives a report on the au-  
12 thorities in subchapter VI of chapter 36 of title 10,  
13 United States Code (as added by subsection (a)).

14           (2) ELEMENTS.—The report shall include the  
15 following:

16           (A) A detailed analysis and assessment of  
17 the manner in which the exercise of the authori-  
18 ties in subchapter VI of chapter 36 of title 10,  
19 United States Code (as so added), will effect  
20 the career progression of commissioned officers  
21 in the Armed Forces.

22           (B) A description of the competitive cat-  
23 egories of officers that are anticipated to be

1 designated as competitive categories of officers  
2 for purposes of such authorities.

3 (C) A plan for implementation of such au-  
4 thorities.

5 (D) Such recommendations for legislative  
6 or administrative action as the Secretary of De-  
7 fense considers appropriate to improve or en-  
8 hance such authorities.

9 **SEC. 508. ATTENDING PHYSICIAN TO THE CONGRESS.**

10 (a) IN GENERAL.—Chapter 41 of title 10, United  
11 States Code, is amended by inserting before section 716  
12 the following new section:

13 **“§ 715. Attending Physician to the Congress: grade**

14 “A general officer serving as Attending Physician to  
15 the Congress, while so serving, holds the grade of major  
16 general. A flag officer serving as Attending Physician to  
17 the Congress, while so serving, holds the grade of rear ad-  
18 miral (upper half).”.

19 (b) CLERICAL AMENDMENT.—The table of sections  
20 at the beginning of such chapter is amended by inserting  
21 before the item relating to section 716 the following new  
22 item:

“715. Attending Physician to the Congress: grade”.

1 **SEC. 509. MATTERS RELATING TO SATISFACTORY SERVICE**  
2 **IN GRADE FOR PURPOSES OF RETIREMENT**  
3 **GRADE OF OFFICERS IN HIGHEST GRADE OF**  
4 **SATISFACTORY SERVICE.**

5 (a) **CONDITIONAL DETERMINATIONS OF GRADE OF**  
6 **SATISFACTORY SERVICE.—**

7 (1) **IN GENERAL.—**Subsection (a)(1) of section  
8 1370 of title 10, United States Code, is amended by  
9 adding at the end the following new sentences:  
10 “When an officer is under investigation for alleged  
11 misconduct at the time of retirement, the Secretary  
12 concerned may conditionally determine the highest  
13 grade of satisfactory service of the officer pending  
14 completion of the investigation. Such grade is sub-  
15 ject to resolution under subsection (b)(3).”.

16 (2) **OFFICERS IN O–9 AND O–10 GRADES.—**Sub-  
17 section (c) of such section is amended by adding at  
18 the end the following new paragraph:

19 “(4) The Secretary of Defense may make a condi-  
20 tional certification regarding satisfactory service in grade  
21 under paragraph (1) with respect to an officer under that  
22 paragraph notwithstanding the fact that there is pending  
23 the disposition of an adverse personnel action against the  
24 officer for alleged misconduct. The retired grade of an offi-  
25 cer following such a conditional certification is subject to  
26 resolution under subsection (b)(3).”.

1           (3) RESERVE OFFICERS.—Subsection (d)(1) of  
2           such section is amended by adding at the end the  
3           following new sentences: “When an officer is under  
4           investigation for alleged misconduct at the time of  
5           retirement, the Secretary concerned may condi-  
6           tionally determine the highest grade of satisfactory  
7           service of the officer pending completion of the in-  
8           vestigation. Such grade is subject to resolution  
9           under subsection (b)(3).”.

10          (b) CODIFICATION OF LOWERED GRADE FOR RE-  
11          TIRED OFFICERS OR PERSONS WHO COMMITTED MIS-  
12          CONDUCT IN A LOWER GRADE.—

13           (1) IN GENERAL.—Subsection (b) of such sec-  
14          tion is amended—

15                   (A) in the heading, by striking “NEXT”;

16                   (B) by inserting “(1)” before “An”; and

17                   (C) by adding at the end the following new  
18          paragraphs:

19           “(2) In the case of an officer or person whom the  
20          Secretary concerned determines committed misconduct in  
21          a lower grade, the Secretary concerned may determine the  
22          officer or person has not served satisfactorily in any grade  
23          equal to or higher than that lower grade.

24           “(3) A determination or certification of the retired  
25          grade of an officer shall be resolved following a conditional

1 determination under subsection (a)(1) or (d)(1) or condi-  
2 tional certification under subsection (c)(4), if the inves-  
3 tigation of or personnel action against the officer, as appli-  
4 cable, results in adverse findings. If the retired grade of  
5 an officer is reduced, the retired pay of the officer under  
6 chapter 71 of this title shall be recalculated, and any  
7 modification of the retired pay of the officer shall go into  
8 effect on the effective date of the reduction in retired  
9 grade.”.

10 (2) CONFORMING AMENDMENTS.—Such section  
11 is amended—

12 (A) in subsection (a)(1)—

13 (i) by striking “higher” and inserting  
14 “different”; and

15 (ii) by striking “except as provided in  
16 paragraph (2)” and inserting “subject to  
17 paragraph (2) and subsection (b)”;

18 (B) in subsection (c)(1), by striking “An  
19 officer” and inserting “Subject to subsection  
20 (b), an officer”; and

21 (C) in subsection (d)(1)—

22 (i) by striking “higher” each place it  
23 appears and inserting “different”; and

24 (ii) by inserting “, subject to sub-  
25 section (b),” before “shall”.

1 (c) FINALITY OF RETIRED GRADE DETERMINA-  
2 TIONS.—Such section is further amended by adding at the  
3 end the following new subsection:

4 “(f) FINALITY OF RETIRED GRADE DETERMINA-  
5 TIONS.—(1) Except as otherwise provided by law, a deter-  
6 mination or certification of the retired grade of an officer  
7 pursuant to this section is administratively final on the  
8 day the officer is retired, and may not be reopened.

9 “(2) A determination or certification of the retired  
10 grade of an officer may be reopened as follows:

11 “(A) If the retirement or retired grade of the  
12 officer was procured by fraud.

13 “(B) If substantial evidence comes to light after  
14 the retirement that could have led to a lower retired  
15 grade under this section if known by competent au-  
16 thority at the time of retirement.

17 “(C) If a mistake of law or calculation was  
18 made in the determination of the retired grade.

19 “(D) In the case of a retired grade following a  
20 conditional determination under subsection (a)(1) or  
21 (d)(1) or conditional certification under subsection  
22 (c)(4), if the investigation of or personnel action  
23 against the officer, as applicable, results in adverse  
24 findings.

1           “(E) If the Secretary concerned determines,  
2           pursuant to regulations prescribed by the Secretary  
3           of Defense, that good cause exists to reopen the de-  
4           termination or certification.

5           “(3) If a determination or certification of the retired  
6           grade of an officer is reopened, the Secretary concerned—

7           “(A) shall notify the officer of the reopening;  
8           and

9           “(B) may not make an adverse determination  
10          on the retired grade of the officer until the officer  
11          has had a reasonable opportunity to respond regard-  
12          ing the basis of the reopening.

13          “(4) If a certification of the retired grade of an offi-  
14          cer covered by subsection (c) is reopened, the Secretary  
15          concerned shall also notify the President and Congress of  
16          the reopening.

17          “(5) If the retired grade of an officer is reduced  
18          through the reopening of the officer’s retired grade, the  
19          retired pay of the officer under chapter 71 of this title  
20          shall be recalculated, and any modification of the retired  
21          pay of the officer shall go into effect on the effective date  
22          of the reduction of the officer’s retired grade.”.

23       **SEC. 510. GRADES OF CHIEFS OF CHAPLAINS.**

24          (a) ARMY.—Section 3073 of title 10, United States  
25          Code, is amended—

1 (1) by inserting “(a)” before “There”; and

2 (2) by adding at the end the following new sub-  
3 section:

4 “(b) The Chief of Chaplains, while so serving, holds  
5 the grade of major general.”.

6 (b) NAVY.—Section 5142 of title 10, United States  
7 Code, is amended by adding at the end the following new  
8 subsection:

9 “(e) The Chief of Chaplains, while so serving, holds  
10 the grade of rear admiral (upper half).”.

11 (c) AIR FORCE.—Section 8039 of title 10, United  
12 States Code, is amended by adding at the end the fol-  
13 lowing new subsection:

14 “(c) GRADE OF CHIEF OF CHAPLAINS.—The Chief  
15 of Chaplains, while so serving, holds the grade of major  
16 general.”.

17 **SEC. 511. REPEAL OF ORIGINAL APPOINTMENT QUALIFICA-**  
18 **TION REQUIREMENT FOR WARRANT OFFI-**  
19 **CERS IN THE REGULAR ARMY.**

20 (a) IN GENERAL.—Section 3310 of title 10, United  
21 States Code, is repealed.

22 (b) CLERICAL AMENDMENT.—The table of sections  
23 at the beginning of chapter 335 of such title is amended  
24 by striking the item relating to section 3310.

1 **SEC. 512. REDUCTION IN NUMBER OF YEARS OF ACTIVE**  
2 **NAVAL SERVICE REQUIRED FOR PERMANENT**  
3 **APPOINTMENT AS A LIMITED DUTY OFFICER.**

4 Section 5589(d) of title 10, United States Code, is  
5 amended by striking “10 years” and inserting “8 years”.

6 **SEC. 513. AUTHORITY TO DESIGNATE CERTAIN RESERVE**  
7 **OFFICERS AS NOT TO BE CONSIDERED FOR**  
8 **SELECTION FOR PROMOTION.**

9 Section 14301 of title 10, United States Code, as  
10 amended by section 505, is further amended by adding  
11 at the end the following new subsection:

12 “(k) CERTAIN OFFICERS NOT TO BE CONSIDERED  
13 FOR SELECTION FOR PROMOTION.—The Secretary of the  
14 military department concerned may provide that an officer  
15 who is in an active status, but is in a duty status in which  
16 the only points the officer accrues under section  
17 12732(a)(2) of this title are pursuant to subparagraph  
18 (C)(i) of that section (relating to membership in a reserve  
19 component), shall not be considered for selection for pro-  
20 motion until completion of two years of service in such  
21 duty status. Any such officer may remain on the reserve  
22 active-status list.”.

1 **SEC. 514. GAO REVIEW OF SURFACE WARFARE CAREER**  
2 **PATHS.**

3 (a) GAO REVIEW.—The Comptroller General of the  
4 United States shall conduct a review of Navy surface war-  
5 fare career paths.

6 (b) ELEMENTS.—The review under subsection (a)  
7 shall include the following:

8 (1) A description of current and previous career  
9 paths for officers in the regular and reserve compo-  
10 nents of the Navy that are related to surface war-  
11 fare, including career paths for—

12 (A) unrestricted line officers;

13 (B) limited duty officers;

14 (C) engineering duty officers; and

15 (D) warrant officers.

16 (2) Any prior study that examined career paths  
17 described in paragraph (1).

18 (3) The current and historical personnel levels  
19 (fit/fill rates) and deployment tempos aboard naval  
20 vessels for each of the career paths described in  
21 paragraph (1).

22 (4) A comparison of the career paths of surface  
23 warfare officers with the career paths of surface  
24 warfare officers of foreign navies including—

25 (A) initial training;

26 (B) follow-on training;

1 (C) career milestones;  
 2 (D) qualification standards; and  
 3 (E) watch standing requirements.  
 4 (5) Any other matter the Comptroller General  
 5 determines appropriate.  
 6 (c) DEADLINES.—Not later than March 1, 2019, the  
 7 Comptroller General shall brief the congressional defense  
 8 committees on the preliminary findings of the study under  
 9 this section. The Comptroller General shall submit a final  
 10 report to the congressional defense committees as soon as  
 11 practicable after such briefing.

12 **Subtitle B—Reserve Component**  
 13 **Management**

14 **SEC. 515. AUTHORIZED STRENGTH AND DISTRIBUTION IN**  
 15 **GRADE.**

16 (a) STRENGTH AND GRADE AUTHORIZATIONS.—Sec-  
 17 tion 12011(a) of title 10, United States Code is amended  
 18 by striking those parts of the table pertaining to the Air  
 19 National Guard and inserting the following:

“Air National Guard:

	Major	Lieutenant Colonel	Colonel
10,000 .....	763	745	333
12,000 .....	915	923	377
14,000 .....	1,065	1,057	402
16,000 .....	1,211	1,185	426
18,000 .....	1,347	1,313	450
20,000 .....	1,463	1,440	468
22,000 .....	1,606	1,569	494
24,000 .....	1,739	1,697	517
26,000 .....	1,872	1,825	539
28,000 .....	2,005	1,954	562

“Air National Guard:

	Major	Lieutenant Colonel	Colonel
30,000 .....	2,138	2,082	585
32,000 .....	2,271	2,210	608
34,000 .....	2,404	2,338	630
36,000 .....	2,537	2,466	653
38,000 .....	2,670	2,595	676
40,000 .....	2,803	2,723	698”.

1 (b) STRENGTH AND GRADE AUTHORIZATIONS.—Sec-  
 2 tion 12012(a) of title 10, United States Code is amended  
 3 by striking those parts of the table pertaining to the Air  
 4 National Guard and inserting the following:

“Air National Guard:

	E-8	E-9
10,000 .....	1,350	550
12,000 .....	1,466	594
14,000 .....	1,582	636
16,000 .....	1,698	676
18,000 .....	1,814	714
20,000 .....	1,930	752
22,000 .....	2,046	790
24,000 .....	2,162	828
26,000 .....	2,278	866
28,000 .....	2,394	904
30,000 .....	2,510	942
32,000 .....	2,626	980
34,000 .....	2,742	1,018
36,000 .....	2,858	1,056
38,000 .....	2,974	1,094
40,000 .....	3,090	1,132”.

5 **SEC. 516. REPEAL OF PROHIBITION ON SERVICE ON ARMY**  
 6 **RESERVE FORCES POLICY COMMITTEE BY**  
 7 **MEMBERS ON ACTIVE DUTY.**

8 Section 10302 of title 10, United States Code, is  
 9 amended—

10 (1) in subsection (b), by striking “not on active  
 11 duty” each place it appears; and

1 (2) in subsection (c)—

2 (A) by inserting “of the reserve compo-  
3 nents” after “among the members”; and

4 (B) by striking “not on active duty”.

5 **SEC. 517. EXPANSION OF PERSONNEL SUBJECT TO AU-**  
6 **THORITY OF THE CHIEF OF THE NATIONAL**  
7 **GUARD BUREAU IN THE EXECUTION OF**  
8 **FUNCTIONS AND MISSIONS OF THE NA-**  
9 **TIONAL GUARD BUREAU.**

10 Section 10508(b)(1) of title 10, United States Code,  
11 is amended by striking “sections 2103,” and all that fol-  
12 lows through “of title 32,” and inserting “sections 2102,  
13 2103, 2105, and 3101 of title 5, subchapter IV of chapter  
14 53 of title 5, or section 328 of title 32,”.

15 **SEC. 518. AUTHORITY TO ADJUST EFFECTIVE DATE OF**  
16 **PROMOTION IN THE EVENT OF UNDUE DELAY**  
17 **IN EXTENDING FEDERAL RECOGNITION OF**  
18 **PROMOTION.**

19 (a) IN GENERAL.—Section 14308(f) of title 10,  
20 United States Code, is amended—

21 (1) by inserting “(1)” before “The effective  
22 date of promotion”; and

23 (2) by adding at the end the following new  
24 paragraph:

1       “(2) If the Secretary concerned determines that there  
2 was an undue delay in extending Federal recognition in  
3 the next higher grade in the Army National Guard or the  
4 Air National Guard to a reserve commissioned officer of  
5 the Army or the Air Force, and the delay was not attrib-  
6 utable to the action (or inaction) of such officer, the effec-  
7 tive date of the promotion concerned under paragraph (1)  
8 may be adjusted to a date determined by the Secretary  
9 concerned, but not earlier than the effective date of the  
10 State promotion.”.

11       (b) **EFFECTIVE DATE.**—The amendments made by  
12 subsection (a) shall take effect on the date of the enact-  
13 ment of this Act, and shall apply with respect to pro-  
14 motions of officers whose State effective date is on or after  
15 that date.

16 **SEC. 519. NATIONAL GUARD YOUTH CHALLENGE PROGRAM.**

17       Section 509(h) of title 32, United States Code, is  
18 amended—

19           (1) by redesignating paragraph (2) as para-  
20 graph (3); and

21           (2) by inserting after paragraph (1) the fol-  
22 lowing new paragraph:

23       “(2) Equipment and facilities of the Department of  
24 Defense may be used by the National Guard for purposes  
25 of carrying out the Program.”.

1 **SEC. 520. EXTENSION OF AUTHORITY FOR PILOT PROGRAM**  
2 **ON USE OF RETIRED SENIOR ENLISTED MEM-**  
3 **BERS OF THE ARMY NATIONAL GUARD AS**  
4 **ARMY NATIONAL GUARD RECRUITERS.**

5 Section 514 of the National Defense Authorization  
6 Act for Fiscal Year 2018 (Public Law 115–91) is amend-  
7 ed—

8 (1) in subsection (d), by striking “2020” and  
9 inserting “2021”; and

10 (2) in subsection (f), by striking “2019” and  
11 inserting “2020”.

12 **Subtitle C—General Service Au-**  
13 **thorities and Correction of Mili-**  
14 **tary Records**

15 **SEC. 521. ENLISTMENTS VITAL TO THE NATIONAL INTER-**  
16 **EST.**

17 (a) IN GENERAL.—Section 504(b) of title 10, United  
18 States Code, is amended—

19 (1) in paragraph (2)—

20 (A) by inserting “and subject to paragraph  
21 (3),” after “Notwithstanding paragraph (1),”;

22 (B) by striking “enlistment is vital to the  
23 national interest.” and inserting “person pos-  
24 sesses a critical skill or expertise—”; and

25 (C) by adding at the end the following new  
26 subparagraphs:

1 “(A) that is vital to the national interest; and

2 “(B) that the person will use in the primary  
3 daily duties of that person as a member of the  
4 armed forces.”; and

5 (2) by adding at the end the following new  
6 paragraph (3):

7 “(3)(A) No person who enlists under paragraph (2)  
8 may report to initial training until after the Secretary con-  
9 cerned has completed all required background investiga-  
10 tions and security and suitability screening as determined  
11 by the Secretary of Defense regarding that person.

12 “(B) A Secretary concerned may not authorize more  
13 than 1,000 enlistments under paragraph (2) per military  
14 department in a calendar year until after—

15 “(i) the Secretary of Defense submits to Con-  
16 gress written notice of the intent of that Secretary  
17 concerned to authorize more than 1,000 such enlist-  
18 ments in a calendar year; and

19 “(ii) a period of 30 days has elapsed after the  
20 date on which Congress receives the notice.”.

21 (b) REPORT.—

22 (1) IN GENERAL.—Not later than December 31,  
23 2019, and annually thereafter for each of the subse-  
24 quent four years, the Secretary concerned shall sub-  
25 mit a report to the Committees on Armed Services

1 and the Judiciary of the Senate and the House of  
2 Representatives regarding persons who enter into  
3 enlistment contracts under section 504(b)(2) of title  
4 10, United States Code, as amended by subsection  
5 (a).

6 (2) ELEMENTS.—Each report under this sub-  
7 section shall include the following:

8 (A) The number of such persons who have  
9 entered into such contracts during the pre-  
10 ceding calendar year.

11 (B) How many such persons have success-  
12 fully completed background investigations and  
13 vetting procedures.

14 (C) How many such persons have begun  
15 initial training.

16 (D) The skills that are vital to the national  
17 interest that such persons possess.

18 **SEC. 522. STATEMENT OF BENEFITS.**

19 (a) IN GENERAL.—Chapter 58 of title 10, United  
20 States Code, is amended by adding at the end the fol-  
21 lowing new section:

22 **“§ 1155. Statement of benefits**

23 “(a) BEFORE SEPARATION.—Not later than 30 days  
24 before a member retires, is released, is discharged, or oth-  
25 erwise separates from the armed forces (or as soon as is

1 practicable in the case of an unanticipated separation), the  
2 Secretary concerned shall provide that member with a cur-  
3 rent assessment of all benefits to which that member may  
4 be entitled under laws administered by—

5 “(1) the Secretary of Defense; and

6 “(2) the Secretary of Veterans Affairs.

7 “(b) STATEMENT FOR RESERVES.—The Secretary  
8 concerned shall provide a member of a reserve component  
9 with a current assessment of benefits described in sub-  
10 section (a) upon release of that member from active  
11 duty.”.

12 (b) CLERICAL AMENDMENT.—The table of sections  
13 at the beginning of such chapter is amended by inserting  
14 after the item relating to section 1154 the following new  
15 item:

“1155. Statement of benefits.”.

16 **SEC. 523. MODIFICATION TO FORMS OF SUPPORT THAT**  
17 **MAY BE ACCEPTED IN SUPPORT OF THE MIS-**  
18 **SION OF THE DEFENSE POW/MIA ACCOUNT-**  
19 **ING AGENCY.**

20 (a) PUBLIC-PRIVATE PARTNERSHIPS.—Subsection  
21 (a) of section 1501a of title 10, United States Code, is  
22 amended by adding at the end the following new sentence:  
23 “An employee of an entity outside the Government that  
24 has entered into a public-private partnership, cooperative  
25 agreement, or a grant arrangement with, or in direct sup-

1 port of, the designated Defense Agency under this section  
2 shall be considered to be an employee of the Federal Gov-  
3 ernment by reason of participation in such partnership,  
4 cooperative agreement, or grant, only for the purposes of  
5 section 552a of title 5 (relating to maintenance of records  
6 on individuals).”.

7 (b) AUTHORITY TO ACCEPT GIFTS IN SUPPORT OF  
8 MISSION TO ACCOUNT FOR MISSING PERSONS FROM  
9 PAST CONFLICTS.—Such section is further amended—

10 (1) by redesignating subsections (e) and (f) as  
11 subsections (f) and (g), respectively;

12 (2) by inserting after subsection (d) the fol-  
13 lowing new subsection (e):

14 “(e) ACCEPTANCE OF GIFTS.—

15 “(1) AUTHORITY TO ACCEPT.—Subject to sub-  
16 section (f)(2), the Secretary may accept, hold, ad-  
17 minister, spend, and use any gift of personal prop-  
18 erty, money, or services made on the condition that  
19 the gift be used for the purpose of facilitating ac-  
20 counting for missing persons pursuant to section  
21 1501(a)(2)(C) of this title.

22 “(2) GIFT FUNDS.—Gifts and bequests of  
23 money accepted under this subsection shall be depos-  
24 ited in the Treasury in the Department of Defense  
25 General Gift Fund.

1           “(3) USE OF GIFTS.—Personal property and  
2           money accepted under this subsection may be used  
3           by the Secretary, and services accepted under this  
4           subsection may be performed, without further spe-  
5           cific authorization in law.

6           “(4) EXPENSES OF TRANSFER.—The Secretary  
7           may pay all necessary expenses in connection with  
8           the conveyance or transfer of a gift accepted under  
9           this subsection.

10           “(5) EXPENSES OF CARE.—The Secretary may  
11           pay all reasonable and necessary expenses in connec-  
12           tion with the care of a gift accepted under this sub-  
13           section.”; and

14           (3) by adding at the end of subsection (g), as  
15           redesignated by paragraph (1) of this subsection, the  
16           following new paragraph:

17           “(3) GIFT.—The term ‘gift’ includes a devise or  
18           bequest.”.

19           (c) CONFORMING AMENDMENT.—Subsection (a) of  
20           such section is further amended by striking “subsection  
21           (e)(1)” and inserting “subsection (f)(1)”.

1 **SEC. 524. ASSESSMENT OF NAVY STANDARD WORKWEEK**  
2 **AND RELATED ADJUSTMENTS.**

3 (a) ASSESSMENT.—Not later than 180 days after the  
4 date of the enactment of this Act, the Secretary of the  
5 Navy shall—

6 (1) complete a comprehensive assessment of the  
7 standard workweek of the Navy;

8 (2) carry out the activities required under sub-  
9 sections (b) and (c).

10 (b) ADJUSTMENTS.—The Secretary of the Navy  
11 shall—

12 (1) update instruction 1000.16L of the Office  
13 of the Chief of Naval Operations titled “Navy Total  
14 Force Manpower Policies and Procedures” in order  
15 to—

16 (A) analyze and quantify current in-port  
17 workloads; and

18 (B) based on the analysis carried out pur-  
19 suant to subparagraph (A), identify the man-  
20 power necessary to execute in-port workloads  
21 for all surface ship classes;

22 (2) update the criteria set forth in the instruc-  
23 tion that are used to reassess the factors for calcu-  
24 lating manpower requirements periodically or when  
25 conditions change; and

1           (3) taking into account the updates required by  
2           paragraphs (1) and (2), identify personnel needs and  
3           costs associated with the planned larger size of the  
4           Navy fleet.

5           (c) ADDED DEMANDS.—The Secretary of the Navy  
6           shall identify and quantify any increased or new require-  
7           ments with respect to Navy ship crews, including Ready,  
8           Relevant Learning training periods and additional work  
9           that affects readiness and technical qualifications for Navy  
10          ship crews.

11       **SEC. 525. NOTIFICATION ON MANNING OF AFLOAT NAVAL**  
12                               **FORCES.**

13          (a) IN GENERAL.—The Secretary of the Navy shall  
14          notify the congressional defense committees, in writing,  
15          not later than 15 days after any of the following conditions  
16          are met:

17               (1) The manning fit for a covered ship is less  
18               than 87 percent.

19               (2) The manning fill for a covered ship is less  
20               than 90 percent.

21          (b) NOTIFICATION REQUIRED.—The notification re-  
22          quired by subsection (a) shall include, with respect to a  
23          covered ship, the following:

24               (1) The name and hull number of the ship.

25               (2) The homeport location of the ship.

1           (3) The current manning fit and fill of the ship.

2           (4) The lowest levels of manning fit and fill  
3           projected for the ship and the date on which such  
4           levels are expected to occur.

5           (5) The projected date on which the Navy will  
6           achieve a manning fit and fill at least 87 percent  
7           and 90 percent, respectively, for the ship.

8           (6) The projected date on which the Navy will  
9           achieve a manning fit and fill of at least 92 percent  
10          and 95 percent, respectively, for the ship.

11          (7) A description of any reasons the Navy will  
12          not achieve manning fit and fill of at least 87 per-  
13          cent and 90 percent, respectively, for the ship, in-  
14          cluding a detailed description of the specific ratings  
15          or skillset areas that must be manned to achieve  
16          those percentages.

17          (8) A description of corrective actions the Navy  
18          is taking to improve manning fit or manning fill on  
19          the ship.

20          (c) SPECIAL RULE.—For purposes of determining  
21          whether a percentage of manning fit or manning fill has  
22          been achieved, a sailor in a more senior paygrade may  
23          count as filling the billet of a more junior paygrade, but  
24          a sailor in a more junior paygrade may not count as filling  
25          the billet of a more senior paygrade.

1 (d) DEFINITIONS.—In this section:

2 (1) MANNING FIT.—The term “manning fit”  
3 means the skills (rating), specialty skills (Navy En-  
4 listed Classifications), and experience (paygrade) for  
5 the ship as compared with the billets authorized for  
6 such skills and experience.

7 (2) MANNING FILL.—The term “manning fill”,  
8 in the case of a ship, means the total number of  
9 military personnel assigned to the ship by rating  
10 when compared with the billets authorized for the  
11 ship by rating.

12 (3) COVERED SHIP.—The term “covered ship”  
13 means a commissioned battle force ship that is in-  
14 cluded in the battle force count of the Naval Vessel  
15 Register.

16 **SEC. 526. NAVY WATCHSTANDER RECORDS.**

17 (a) IN GENERAL.—The Secretary of the Navy shall  
18 require that, commencing not later than 180 days after  
19 the date of the enactment of this Act, key watchstanders  
20 on Navy surface ships shall maintain a career record of  
21 watchstanding hours and specific operational evolutions.

22 (b) KEY WATCHSTANDER DEFINED.—In this section,  
23 the term “key watchstander” means each of the following:

24 (1) Officer of the Deck.

25 (2) Engineering Officer of the Watch.

1 (3) Conning Officer or Piloting Officer.

2 (4) Any other officer specified by the Secretary  
3 for purposes of this section.

4 (c) BRIEFINGS OF CONGRESS.—

5 (1) INITIAL BRIEFING.—Not later than 150  
6 days after the date of the enactment of this Act, the  
7 Secretary shall provide to the Committees on Armed  
8 Services of the Senate and the House of Representa-  
9 tives a briefing on the plan of the Secretary for the  
10 maintenance of watchstander records, including up-  
11 dates to policy documents.

12 (2) UPDATE BRIEFINGS.—Not later than one  
13 year after the briefing pursuant to paragraph (1),  
14 and annually thereafter for the next two years, the  
15 Secretary shall provide to the committees of Con-  
16 gress referred to in that paragraph an update brief-  
17 ing on the status of the implementation of the plan  
18 described in that paragraph.

19 **SEC. 527. QUALIFICATION EXPERIENCE REQUIREMENTS**  
20 **FOR CERTAIN NAVY WATCHSTATIONS.**

21 (a) IN GENERAL.—Not later than 180 days after the  
22 date the of enactment of this Act, the Secretary of the  
23 Navy shall submit to the Committees on Armed Services  
24 of the Senate and the House of Representatives a report  
25 on the adequacy of individual training for certain

1 watchstations, including any planned or recommended  
2 changes in qualification standards for such watchstations.

3 (b) WATCHSTATIONS.—The watchstations covered by  
4 the report required by subsection (a) are the following:

- 5 (1) Officer of the Deck.
- 6 (2) Combat Information Center Watch Officer.
- 7 (3) Tactical Action Officer.
- 8 (4) Engineering Officer of the Watch.
- 9 (5) Conning Officer or Piloting Officer.

## 10 **Subtitle D—Military Justice**

### 11 **SEC. 531. INCLUSION OF STRANGULATION AND SUFFO-** 12 **CATION IN CONDUCT CONSTITUTING AGGRA-** 13 **VATED ASSAULT FOR PURPOSES OF THE UNI-** 14 **FORM CODE OF MILITARY JUSTICE.**

15 (a) IN GENERAL.—Subsection (b) of section 928 of  
16 title 10, United States Code (article 128 of the Uniform  
17 Code of Military Justice), is amended—

18 (1) in paragraph (1), by striking “or” at the  
19 end;

20 (2) in paragraph (2), by adding “or” after the  
21 semicolon; and

22 (3) by inserting after paragraph (2) the fol-  
23 lowing new paragraph:

24 “(3) who commits an assault by strangulation  
25 or suffocation;”.

1 (b) EFFECTIVE DATE.—The amendments made by  
2 subsection (a) shall take effect on January 1, 2019, imme-  
3 diately after the coming into effect of the amendment  
4 made by section 5441 of the Military Justice Act of 2016  
5 (division E of Public Law 114–328; 130 Stat. 2954) as  
6 provided in section 5542 of that Act (130 Stat. 2967; 10  
7 U.S.C. 801 note).

8 **SEC. 532. PUNITIVE ARTICLE ON DOMESTIC VIOLENCE**  
9 **UNDER THE UNIFORM CODE OF MILITARY**  
10 **JUSTICE.**

11 (a) PUNITIVE ARTICLE.—

12 (1) IN GENERAL.—Subchapter X of chapter 47  
13 of title 10, United States Code (the Uniform Code  
14 of Military Justice), is amended by inserting after  
15 section 928a (article 128a) the following new section  
16 (article):

17 **“§ 928b. Art. 128b.**

18 “Any person who—

19 “(1) commits a violent offense against a spouse,  
20 an intimate partner, or an immediate family member  
21 of that person;

22 “(2) with intent to threaten or intimidate a  
23 spouse, an intimate partner, or an immediate family  
24 member of that person—

1           “(A) commits an offense under this chap-  
2           ter against any person; or

3           “(B) commits an offense under this chap-  
4           ter against any property, including an animal;

5           “(3) with intent to threaten or intimidate a  
6           spouse, an intimate partner, or an immediate family  
7           member of that person, violates a protection order;

8           “(4) with intent to commit a violent offense  
9           against a spouse, an intimate partner, or an imme-  
10          diate family member of that person, violates a pro-  
11          tection order; or

12          “(5) assaults a spouse, an intimate partner, or  
13          an immediate family member of that person by  
14          strangling or suffocating;

15 shall be punished as a court-martial may direct.”.

16          (2) CLERICAL AMENDMENT.—The table of sec-  
17          tions at the beginning of subchapter X of chapter 47  
18          of such title (the Uniform Code of Military Justice)  
19          is amended by inserting after the item relating to  
20          section 928a (article 128a) the following new item:

“928b. 128b. Domestic violence.”.

21          (b) EFFECTIVE DATE.—The amendments made by  
22          this section shall take effect on January 1, 2019, imme-  
23          diately after the coming into effect of the amendments  
24          made by the Military Justice Act of 2016 (division E of

1 Public Law 114–328) as provided in section 5542 of that  
2 Act (130 Stat. 2967; 10 U.S.C. 801 note).

3 **SEC. 533. AUTHORITIES OF DEFENSE ADVISORY COM-**  
4 **MITTEE ON INVESTIGATION, PROSECUTION,**  
5 **AND DEFENSE OF SEXUAL ASSAULT IN THE**  
6 **ARMED FORCES.**

7 Section 546 of the Carl Levin and Howard P.  
8 “Buck” McKeon National Defense Authorization Act for  
9 Fiscal Year 2015 (10 U.S.C. 1561 note) is amended—

10 (1) by redesignating subsections (d) and (e) as  
11 subsections (e) and (f), respectively; and

12 (2) by inserting after subsection (c) the fol-  
13 lowing new subsection (d):

14 “(d) **AUTHORITIES.**—

15 “(1) **HEARINGS.**—The Advisory Committee may  
16 hold such hearings, sit and act at such times and  
17 places, take such testimony, and receive such evi-  
18 dence as the committee considers appropriate to  
19 carry out its duties under this section.

20 “(2) **INFORMATION FROM FEDERAL AGEN-**  
21 **CIES.**—Upon request by the chair of the Advisory  
22 Committee, a department or agency of the Federal  
23 Government shall provide information that the Advi-  
24 sory Committee considers necessary to carry out its  
25 duties under this section. In carrying out this para-

1 graph, the department or agency shall take steps to  
2 prevent the unauthorized disclosure of personally  
3 identifiable information.”.

4 **SEC. 534. REPORT ON FEASIBILITY OF EXPANDING SERV-**  
5 **ICES OF THE SPECIAL VICTIMS’ COUNSEL TO**  
6 **VICTIMS OF DOMESTIC VIOLENCE.**

7 (a) REPORT REQUIRED.—Not later than February 1,  
8 2019, the Secretary of Defense, in consultation with the  
9 Secretaries of the military departments, shall submit a re-  
10 port to the Committees on Armed Services of the Senate  
11 and House of Representatives regarding the feasibility and  
12 advisability of expanding eligibility for the Special Victims’  
13 Counsel programs under section 1044e of title 10, United  
14 States Code (hereinafter referred to as “the SVC pro-  
15 grams”), to include victims of domestic violence.

16 (b) ELEMENTS.—The report under this section shall  
17 include the following:

18 (1) The current workload of the SVC programs.

19 (2) An analysis of the current personnel author-  
20 izations for the SVC programs.

21 (3) The optimal personnel levels for the SVC  
22 programs.

23 (4) An analysis of the effects that the expan-  
24 sion described in subsection (a) would have on the  
25 SVC programs, including—

1 (A) the estimated increase in workload;

2 (B) the estimated number of additional  
3 personnel that would be required to accommo-  
4 date such increase; and

5 (C) the ability of the military departments  
6 to fill any additionally authorized billets for  
7 SVC programs with qualified judge advocates  
8 who possess military justice experience.

9 **SEC. 535. UNIFORM COMMAND ACTION FORM ON DISPOSI-**  
10 **TION OF UNRESTRICTED SEXUAL ASSAULT**  
11 **CASES INVOLVING MEMBERS OF THE ARMED**  
12 **FORCES.**

13 The Secretary of Defense shall establish a uniform  
14 command action form, applicable across the Armed  
15 Forces, for reporting the final disposition of cases of sex-  
16 ual assault in which—

17 (1) the alleged offender is a member of the  
18 Armed Forces; and

19 (2) the victim files an unrestricted report on  
20 the alleged assault.

21 **SEC. 536. STANDARDIZATION OF POLICIES RELATED TO EX-**  
22 **PEDITED TRANSFER IN CASES OF SEXUAL AS-**  
23 **SAULT OR DOMESTIC VIOLENCE.**

24 (a) **POLICIES FOR MEMBERS.**—The Secretary of De-  
25 fense shall modify, in accordance with section 673 of title

1 10, United States Code, all policies that the Secretary de-  
2 termines necessary to establish a standardized expedited  
3 transfer process for a member of the Army, Navy, Air  
4 Force, or Marine Corps who is the alleged victim of—

5 (1) sexual assault (regardless of whether the  
6 case is handled under the Sexual Assault Prevention  
7 and Response Program or Family Advocacy Pro-  
8 gram); or

9 (2) physical domestic violence (as defined by  
10 the Secretary in regulations prescribed under this  
11 section) committed by the spouse or intimate part-  
12 ner of the member, regardless of whether the spouse  
13 or intimate partner is a member of the Armed  
14 Forces.

15 (b) POLICY FOR DEPENDENTS OF MEMBERS.—The  
16 Secretary of Defense shall establish a policy to allow the  
17 transfer of a member of the Army, Navy, Air Force, or  
18 Marine Corps whose dependent is the victim of sexual as-  
19 sault perpetrated by a member of the Armed Forces who  
20 is not related to the victim.

1       **Subtitle E—Other Legal Matters**

2       **SEC. 541. CLARIFICATION OF EXPIRATION OF TERM OF AP-**  
3                   **PELLATE MILITARY JUDGES OF THE UNITED**  
4                   **STATES COURT OF MILITARY COMMISSION**  
5                   **REVIEW.**

6           (a) IN GENERAL.—Section 950f(b) of title 10, United  
7 States Code, is amended by adding at the end the fol-  
8 lowing new paragraph:

9           “(6) The term of an appellate military judge assigned  
10 to the Court under paragraph (2) or appointed to the  
11 Court under paragraph (3) shall expire on the earlier of  
12 the date on which—

13                   “(A) the judge leaves active duty; or

14                   “(B) the judge is reassigned to other duties in  
15 accordance with section 949b(b)(4) of this title.”.

16           (b) APPLICABILITY.—The amendment made by sub-  
17 section (a) shall apply to each judge of the United States  
18 Court of Military Commission Review serving on that  
19 court on the date of the enactment of this Act and each  
20 judge assigned or appointed to that court on or after such  
21 date.

1 **SEC. 542. SECURITY CLEARANCE REINVESTIGATION OF**  
2 **CERTAIN PERSONNEL WHO COMMIT CERTAIN**  
3 **OFFENSES.**

4 Section 1564 of title 10, United States Code, is  
5 amended—

6 (1) by redesignating subsections (c), (d), (e),  
7 and (f) as subsection (d), (e), (f), and (g), respec-  
8 tively; and

9 (2) by inserting after subsection (b) the fol-  
10 lowing new subsection (c):

11 “(c) REINVESTIGATION OR READJUDICATION OF  
12 CERTAIN INDIVIDUALS.—(1) The Secretary of Defense  
13 shall conduct an investigation or adjudication under sub-  
14 section (a) of any individual described in paragraph (2)  
15 upon—

16 “(A) conviction of that individual by a court of  
17 competent jurisdiction for—

18 “(i) sexual assault;

19 “(ii) sexual harassment;

20 “(iii) fraud against the United States; or

21 “(iv) any other violation that the Secretary  
22 determines renders that individual susceptible  
23 to blackmail or raises serious concern regarding  
24 the ability of that individual to hold a security  
25 clearance; or

1           “(B) determination by a commanding officer  
2           that that individual has committed an offense de-  
3           scribed in subparagraph (A).

4           “(2) An individual described in this paragraph in an  
5           individual who has a security clearance and is—

6           “(A) a flag officer;

7           “(B) a general officer; or

8           “(C) an employee of the Department of Defense  
9           in the Senior Executive Service.

10          “(3) The Secretary shall ensure that relevant infor-  
11          mation on the conviction or determination described in  
12          paragraph (1) of an individual described in paragraph (2)  
13          during the preceding year, regardless of whether the indi-  
14          vidual has retired or resigned or has been discharged, re-  
15          leased, or otherwise separated from the armed forces, is  
16          reported into Federal law enforcement records and secu-  
17          rity clearance databases, and that such information is  
18          transmitted, as appropriate, to other Federal agencies.

19          “(4) In this subsection:

20                 “(A) The term ‘sexual assault’ includes rape,  
21                 sexual assault, forcible sodomy, aggravated sexual  
22                 contact, abusive sexual contact, and attempts to  
23                 commit such offenses, as those terms are defined in  
24                 chapter 47 of this title (the Uniform Code of Mili-  
25                 tary Justice).

1           “(B) The term ‘sexual harassment’ has the  
2 meaning given that term in section 1561 of this  
3 title.

4           “(C) The term ‘fraud against the United  
5 States’ means a violation of section 932 of this title  
6 (article 132 of the Uniform Code of Military Jus-  
7 tice).”.

8 **SEC. 543. DEVELOPMENT OF OVERSIGHT PLAN FOR IMPLE-**  
9 **MENTATION OF DEPARTMENT OF DEFENSE**  
10 **HARASSMENT PREVENTION AND RESPONSE**  
11 **POLICY.**

12       (a) DEVELOPMENT.—The Secretary of Defense shall  
13 develop a plan for overseeing the implementation of the  
14 instruction titled “Harassment Prevention and Response  
15 in the Armed Forces”, published on February 8, 2018  
16 (DODI–1020.03).

17       (b) ELEMENTS.—The plan under subsection (a) shall  
18 require the military services and other components of the  
19 Department of Defense to take steps by certain dates to  
20 implement harassment prevention and response programs  
21 under such instruction, including no less than the fol-  
22 lowing:

23           (1) Submitting implementation plans to the Di-  
24 rector, Force Resiliency.



1 fense for providing oversight of the registered sex offender  
2 management program of the Department.

3 (b) DUTIES.—The official or entity designated under  
4 subsection (a) shall—

5 (1) monitor compliance with Department of De-  
6 fense Instruction 5525.20 and other relevant policies;

7 (2) compile data on members serving in the  
8 military departments who have been convicted of a  
9 qualifying sex offense, including data on the sex of-  
10 fender registration status of each such member;

11 (3) maintain statistics on the total number of  
12 active duty service members in each military depart-  
13 ment who are required to register as sex offenders;  
14 and

15 (4) perform such other duties as the Secretary  
16 of Defense determines to be appropriate.

17 (c) BRIEFING REQUIRED.—Not later than June 1,  
18 2019, the Secretary of Defense shall provide to the Com-  
19 mittee on Armed Services of the House of Representatives  
20 a briefing on—

21 (1) the compliance of the military departments  
22 with the policies of the Department of Defense relat-  
23 ing to registered sex offenders;

24 (2) the results of the data compilation described  
25 in subsection (b)(2); and

1           (3) any other matters the Secretary determines  
2           to be appropriate.

3           (d) **MILITARY DEPARTMENTS DEFINED.**—In this  
4 section, the term “military departments” has the meaning  
5 given that term in section 101(a)(8) of title 10, United  
6 States Code.

7 **SEC. 545. DEVELOPMENT OF RESOURCE GUIDES REGARD-**  
8 **ING SEXUAL ASSAULT FOR THE MILITARY**  
9 **SERVICE ACADEMIES.**

10          (a) **DEVELOPMENT.**—Not later than 30 days after  
11 the date of the enactment of this Act, each Superintendent  
12 of a military service academy shall develop and maintain  
13 a resource guide for students at the respective military  
14 service academies regarding sexual assault.

15          (b) **ELEMENTS.**—Each guide developed under this  
16 section shall include the following information with re-  
17 gards to the relevant military service academy:

18           (1) **PROCESS OVERVIEW AND DEFINITIONS.**—

19           (A) An explanation of prohibited conduct,  
20 including examples.

21           (B) An explanation of consent.

22           (C) Victims’ rights.

23           (D) Clearly described complaint process,  
24 including to whom a complaint may be filed.

1 (E) Explanations of restricted and unre-  
2 stricted reporting.

3 (F) List of mandatory reporters.

4 (G) Protections from retaliation.

5 (H) Assurance that leadership will take ap-  
6 propriate corrective action.

7 (I) References to specific policies.

8 (J) Resources for survivors.

9 (2) EMERGENCY SERVICES.—

10 (A) Contact information.

11 (B) Location.

12 (3) SUPPORT AND COUNSELING.—Contact in-  
13 formation for the following support and counseling  
14 resources:

15 (A) The Sexual Assault Prevention and  
16 Response Victim Advocate or other equivalent  
17 advocate or counselor available to students in  
18 cases of sexual assault.

19 (B) The Sexual Harassment/Assault Re-  
20 sponse and Prevention Resource Program Cen-  
21 ter.

22 (C) Peer counseling.

23 (D) Medical care.

24 (E) Legal counsel.

25 (F) Hotlines.

1 (G) Chaplain or other spiritual representa-  
2 tives.

3 (c) DISTRIBUTION.—Each Superintendent shall pro-  
4 vide the current guide developed by that Superintendent  
5 under this section—

6 (1) not later than 30 days after completing de-  
7 velopment under subsection (a) to each student who  
8 is enrolled at the military service academy of that  
9 Superintendent on the date of the enactment of this  
10 Act;

11 (2) at the beginning of each academic year  
12 after the date of the enactment of this Act to each  
13 student who enrolls at the military service academy  
14 of that Superintendent; and

15 (3) as soon as practicable to a student at the  
16 military service academy of that Superintendent who  
17 reports that such student is a victim of sexual as-  
18 sault.

19 **SEC. 546. IMPROVED CRIME REPORTING.**

20 (a) TRACKING PROCESS.—The Secretary of Defense,  
21 in consultation with the secretaries of the military depart-  
22 ments, shall establish a consolidated tracking process for  
23 the Department of Defense to ensure increased oversight  
24 of the timely submission of crime reporting data to the  
25 Federal Bureau of Investigation under section 922(g) of

1 title 18, United States Code, and Department of Defense  
2 Instruction 5505.11, “Fingerprint Card and Final Dis-  
3 position Report Submission Requirements”. The tracking  
4 process shall, to the maximum extent possible, standardize  
5 and automate reporting and increase the ability of the De-  
6 partment to track such submissions.

7 (b) LETTER REQUIRED.—Not later than July 1,  
8 2019, the Secretary of Defense shall submit a letter to  
9 the Committees on Armed Services of the Senate and  
10 House of Representatives that details the tracking process  
11 under subsection (a).

12 **SEC. 547. REPORT ON VICTIMS OF SEXUAL ASSAULT IN RE-**  
13 **PORTS OF MILITARY CRIMINAL INVESTIGA-**  
14 **TIVE ORGANIZATIONS.**

15 (a) REPORT.—Not later than September 30, 2019,  
16 and not less frequently than once every two years there-  
17 after, the Secretary of Defense, acting through the De-  
18 fense Advisory Committee on Investigation, Prosecution,  
19 and Defense of Sexual Assault in the Armed Forces shall  
20 submit to the congressional defense committees a report  
21 that includes, with respect to the period of two years pre-  
22 ceding the date of the submittal of the report, the fol-  
23 lowing:

24 (1) The number of instances in which a covered  
25 individual was accused of misconduct or crimes con-

1       sidered collateral to the investigation of a sexual as-  
2       sault committed against the individual.

3           (2) The number of instances in which adverse  
4       action was taken against a covered individual who  
5       was accused of collateral misconduct or crimes as  
6       described in paragraph (1).

7           (3) The percentage of investigations of sexual  
8       assaults that involved an accusation or adverse ac-  
9       tion against a covered individual as described in  
10      paragraphs (1) and (2).

11      (b) COVERED INDIVIDUAL DEFINED.—In this sec-  
12      tion, the term “covered individual” means an individual  
13      who is identified as a victim of a sexual assault in the  
14      case files of a military criminal investigative organization.

15      **Subtitle F—Member Education,**  
16      **Training, Resilience, and Tran-**  
17      **sition**

18      **SEC. 551. PERMANENT CAREER INTERMISSION PROGRAM.**

19      (a) CODIFICATION AND PERMANENT AUTHORITY.—  
20      Chapter 40 of title 10, United States Code, is amended  
21      by adding at the end the following new section 710:

22      **“§ 710. Career flexibility to enhance retention of**  
23      **members**

24      “(a) PROGRAMS AUTHORIZED.—Each Secretary of a  
25      military department may carry out programs under which

1 members of the regular components and members on Ac-  
2 tive Guard and Reserve duty of the armed forces under  
3 the jurisdiction of such Secretary may be inactivated from  
4 active service in order to meet personal or professional  
5 needs and returned to active service at the end of such  
6 period of inactivation from active service.

7 “(b) PERIOD OF INACTIVATION FROM ACTIVE SERV-  
8 ICE; EFFECT OF INACTIVATION.—(1) The period of inac-  
9 tivation from active service under a program under this  
10 section of a member participating in the program shall be  
11 such period as the Secretary of the military department  
12 concerned shall specify in the agreement of the member  
13 under subsection (c), except that such period may not ex-  
14 ceed three years.

15 “(2) Any service by a Reserve officer while partici-  
16 pating in a program under this section shall be excluded  
17 from computation of the total years of service of that offi-  
18 cer pursuant to section 14706(a) of this title.

19 “(3) Any period of participation of a member in a  
20 program under this section shall not count toward—

21 “(A) eligibility for retirement or transfer to the  
22 Ready Reserve under either chapter 571 or 1223 of  
23 this title; or

24 “(B) computation of retired or retainer pay  
25 under chapter 71 or 1223 of this title.

1       “(c) AGREEMENT.—Each member of the armed  
2 forces who participates in a program under this section  
3 shall enter into a written agreement with the Secretary  
4 of the military department concerned under which agree-  
5 ment that member shall agree as follows:

6           “(1) To accept an appointment or enlist, as ap-  
7 plicable, and serve in the Ready Reserve of the  
8 armed force concerned during the period of the inac-  
9 tivation of the member from active service under the  
10 program.

11          “(2) To undergo during the period of the inac-  
12 tivation of the member from active service under the  
13 program such inactive service training as the Sec-  
14 retary concerned shall require in order to ensure  
15 that the member retains proficiency, at a level deter-  
16 mined by the Secretary concerned to be sufficient, in  
17 the military skills, professional qualifications, and  
18 physical readiness of the member during the inac-  
19 tivation of the member from active service.

20          “(3) Following completion of the period of the  
21 inactivation of the member from active service under  
22 the program, to serve two months as a member of  
23 the armed forces on active service for each month of  
24 the period of the inactivation of the member from  
25 active service under the program.

1           “(d) CONDITIONS OF RELEASE.—The Secretary of  
2 Defense shall prescribe regulations specifying the guide-  
3 lines regarding the conditions of release that must be con-  
4 sidered and addressed in the agreement required by sub-  
5 section (c). At a minimum, the Secretary shall prescribe  
6 the procedures and standards to be used to instruct a  
7 member on the obligations to be assumed by the member  
8 under paragraph (2) of such subsection while the member  
9 is released from active service.

10           “(e) ORDER TO ACTIVE SERVICE.—Under regula-  
11 tions prescribed by the Secretary of the military depart-  
12 ment concerned, a member of the armed forces partici-  
13 pating in a program under this section may, in the discre-  
14 tion of such Secretary, be required to terminate participa-  
15 tion in the program and be ordered to active service.

16           “(f) PAY AND ALLOWANCES.—(1) During each  
17 month of participation in a program under this section,  
18 a member who participates in the program shall be paid  
19 basic pay in an amount equal to two-thirtieths of the  
20 amount of monthly basic pay to which the member would  
21 otherwise be entitled under section 204 of title 37 as a  
22 member of the uniformed services on active service in the  
23 grade and years of service of the member when the mem-  
24 ber commences participation in the program.

1           “(2)(A) A member who participates in a program  
2 shall not, while participating in the program, be paid any  
3 special or incentive pay or bonus to which the member is  
4 otherwise entitled under an agreement under chapter 5 of  
5 title 37 that is in force when the member commences par-  
6 ticipation in the program.

7           “(B) The inactivation from active service of a mem-  
8 ber participating in a program shall not be treated as a  
9 failure of the member to perform any period of service  
10 required of the member in connection with an agreement  
11 for a special or incentive pay or bonus under chapter 5  
12 of title 37 that is in force when the member commences  
13 participation in the program.

14           “(3)(A) Subject to subparagraph (B), upon the re-  
15 turn of a member to active service after completion by the  
16 member of participation in a program—

17                 “(i) any agreement entered into by the member  
18           under chapter 5 of title 37 for the payment of a spe-  
19           cial or incentive pay or bonus that was in force when  
20           the member commenced participation in the program  
21           shall be revived, with the term of such agreement  
22           after revival being the period of the agreement re-  
23           maining to run when the member commenced par-  
24           ticipation in the program; and

1           “(ii) any special or incentive pay or bonus shall  
2           be payable to the member in accordance with the  
3           terms of the agreement concerned for the term spec-  
4           ified in clause (i).

5           “(B)(i) Subparagraph (A) shall not apply to any spe-  
6           cial or incentive pay or bonus otherwise covered by that  
7           subparagraph with respect to a member if, at the time  
8           of the return of the member to active service as described  
9           in that subparagraph—

10           “(I) such pay or bonus is no longer authorized  
11           by law; or

12           “(II) the member does not satisfy eligibility cri-  
13           teria for such pay or bonus as in effect at the time  
14           of the return of the member to active service.

15           “(ii) Subparagraph (A) shall cease to apply to any  
16           special or incentive pay or bonus otherwise covered by that  
17           subparagraph with respect to a member if, during the  
18           term of the revived agreement of the member under sub-  
19           paragraph (A)(i), such pay or bonus ceases being author-  
20           ized by law.

21           “(C) A member who is ineligible for payment of a  
22           special or incentive pay or bonus otherwise covered by this  
23           paragraph by reason of subparagraph (B)(i)(II) shall be  
24           subject to the requirements for repayment of such pay or

1 bonus in accordance with the terms of the applicable  
2 agreement of the member under chapter 5 of title 37.

3 “(D) Any service required of a member under an  
4 agreement covered by this paragraph after the member re-  
5 turns to active service as described in subparagraph (A)  
6 shall be in addition to any service required of the member  
7 under an agreement under subsection (c).

8 “(4)(A) Subject to subparagraph (B), a member who  
9 participates in a program is entitled, while participating  
10 in the program, to the travel and transportation allow-  
11 ances authorized by section 474 of title 37 for—

12 “(i) travel performed from the residence of the  
13 member, at the time of release from active service to  
14 participate in the program, to the location in the  
15 United States designated by the member as his resi-  
16 dence during the period of participation in the pro-  
17 gram; and

18 “(ii) travel performed to the residence of the  
19 member upon return to active service at the end of  
20 the participation of the member in the program.

21 “(B) An allowance is payable under this paragraph  
22 only with respect to travel of a member to and from a  
23 single residence.

24 “(5) A member who participates in a program is enti-  
25 tled to carry forward the leave balance existing as of the

1 day on which the member begins participation and accu-  
2 mulated in accordance with section 701 of this title, but  
3 not to exceed 60 days.

4 “(g) PROMOTION.—(1)(A) An officer participating in  
5 a program under this section shall not, while participating  
6 in the program, be eligible for consideration for promotion  
7 under chapter 36 or 1405 of this title.

8 “(B) Upon the return of an officer to active service  
9 after completion by the officer of participation in a pro-  
10 gram—

11 “(i) the Secretary of the military department  
12 concerned shall adjust the date of rank of the officer  
13 in such manner as the Secretary of Defense shall  
14 prescribe in regulations for purposes of this section;  
15 and

16 “(ii) the officer shall be eligible for consider-  
17 ation for promotion when officers of the same com-  
18 petitive category, grade, and seniority are eligible for  
19 consideration for promotion.

20 “(2) An enlisted member participating in a program  
21 shall not be eligible for consideration for promotion during  
22 the period that—

23 “(A) begins on the date of the inactivation of  
24 the member from active service under the program;  
25 and

1           “(B) ends at such time after the return of the  
2           member to active service under the program that the  
3           member is treatable as eligible for promotion by rea-  
4           son of time in grade and such other requirements as  
5           the Secretary of the military department concerned  
6           shall prescribe in regulations for purposes of the  
7           program.

8           “(h) CONTINUED ENTITLEMENTS.—A member par-  
9           ticipating in a program under this section shall, while par-  
10          ticipating in the program, be treated as a member of the  
11          armed forces on active duty for a period of more than 30  
12          days for purposes of—

13           “(1) the entitlement of the member and of the  
14          dependents of the member to medical and dental  
15          care under the provisions of chapter 55 of this title;  
16          and

17           “(2) retirement or separation for physical dis-  
18          ability under the provisions of chapters 55 and 61  
19          of this title.”.

20          (b) TECHNICAL AND CONFORMING AMENDMENTS.—

21           (1) TABLE OF SECTIONS.—The table of sections  
22          at the beginning of such chapter is amended by in-  
23          serting after the item relating to section 709a the  
24          following new item:

“710. Career flexibility to enhance retention of members.”.

1           (2) CONFORMING REPEAL.—Section 533 of the  
2           Duncan Hunter National Defense Authorization Act  
3           for Fiscal Year 2009 (10 U.S.C. prec. 701 note) is  
4           repealed.

5   **SEC. 552. IMPROVEMENTS TO TRANSITION ASSISTANCE**  
6           **PROGRAM.**

7           (a) PATHWAYS FOR TAP.—

8           (1) IN GENERAL.—Section 1142 of title 10,  
9           United States Code, is amended—

10           (A) in the section heading by striking  
11           “**medical**” and inserting “**certain**”;

12           (B) in subsection (a)—

13           (i) in paragraph (1), by inserting  
14           “(regardless of character of discharge)”  
15           after “discharge”;

16           (ii) in paragraph (3)(A)—

17           (I) by striking “as soon as pos-  
18           sible during the 12-month period pre-  
19           ceding” and inserting “not later than  
20           365 days before”;

21           (II) by striking “90 days” and  
22           inserting “365 days”; and

23           (III) by striking “discharge or  
24           release” and inserting “retirement or  
25           other separation”; and

- 1 (iii) in paragraph (3)(B)—
- 2 (I) by striking “90” and insert-
- 3 ing “365”; and
- 4 (II) by striking “90-day” and in-
- 5 serting “365-day”;
- 6 (C) by redesignating subsection (c) as sub-
- 7 section (d);
- 8 (D) by inserting after subsection (b) the
- 9 following new subsection (c):
- 10 “(c) COUNSELING PATHWAYS.—(1) Each Secretary
- 11 concerned, in consultation with the Secretaries of Labor
- 12 and Veterans Affairs, shall establish at least three path-
- 13 ways for members of the military department concerned
- 14 receiving individualized counseling under this section. The
- 15 Secretaries shall design the pathways to address the needs
- 16 of members, based on the following factors:
- 17 (A) Rank.
- 18 (B) Term of service.
- 19 (C) Gender.
- 20 (D) Whether the member was a member
- 21 of a regular or reserve component of an armed
- 22 force.
- 23 (E) Disability.

1           “(F) Character of discharge (including ex-  
2           pedited discharge and discharge under condi-  
3           tions other than honorable).

4           “(G) Health (including mental health).

5           “(H) Military occupational specialty.

6           “(I) Whether the member intends, after  
7           separation, retirement, or discharge, to—

8           “(i) seek employment;

9           “(ii) enroll in a program of higher  
10          education;

11          “(iii) enroll in a program of vocational  
12          training; or

13          “(iv) become an entrepreneur.

14          “(J) The educational history of the mem-  
15          ber.

16          “(K) The employment history of the mem-  
17          ber.

18          “(L) Whether the member has secured—

19          “(i) employment;

20          “(ii) enrollment in a program of edu-  
21          cation; or

22          “(iii) enrollment in a program of voca-  
23          tional training.

24          “(M) Other factors the Secretary of De-  
25          fense and the Secretary of Homeland Security,

1           in consultation with the Secretaries of Labor  
2           and Veterans Affairs, determine appropriate.

3           “(2) Each member described in subsection (a) shall  
4 meet in person or by video conference with a counselor  
5 before beginning counseling under this section to—

6           “(A) take a self-assessment designed by the  
7 Secretary concerned (in consultation with the Secre-  
8 taries of Labor and Veterans Affairs) to ensure that  
9 the Secretary concerned places the member in the  
10 appropriate pathway under this subsection;

11           “(B) receive information from the counselor re-  
12 garding reenlistment in the armed forces; and

13           “(C) receive information from the counselor re-  
14 garding resources (including resources regarding  
15 military sexual trauma)—

16           “(i) for members of the armed forces sepa-  
17 rated, retired, or discharged;

18           “(ii) located in the community in which the  
19 member will reside after separation, retirement,  
20 or discharge.

21           “(3) At the meeting under paragraph (2), the mem-  
22 ber may elect to have the Secretary concerned (in con-  
23 sultation with the Secretaries of Labor and Veterans Af-  
24 fairs) provide the contact information of the member to  
25 the resources described in paragraph (2)(B).”; and

1 (E) by adding at the end the following new  
2 subsection:

3 “(e) JOINT SERVICE TRANSCRIPT.—The Secretary  
4 concerned shall provide a copy of the joint service tran-  
5 script of a member described in subsection (a) to—

6 “(1) that member—

7 “(A) at the meeting with a counselor under  
8 subsection (c)(2); and

9 “(B) on the day the member separates, re-  
10 tires, or is discharged; and

11 “(2) the Secretary of Veterans Affairs on the  
12 day the member separates, retires, or is dis-  
13 charged.”.

14 (2) DEADLINE.—Each Secretary concerned  
15 shall carry out subsection (c) of such section, as  
16 amended by paragraph (1), not later than 1 year  
17 after the date of the enactment of this Act.

18 (3) GAO STUDY.—Not later than 1 year after  
19 the Secretaries concerned carry out subsection (c) of  
20 such section, as amended by paragraph (1), the  
21 Comptroller General of the United States shall sub-  
22 mit to Congress a review of the pathways for the  
23 Transition Assistance Program established under  
24 such subsection (c).

25 (b) CONTENTS OF TAP.—

1           (1) IN GENERAL.—Section 1144 of title 10,  
2           United States Code, is amended—

3                   (A) in subsection (a), by striking “Such  
4                   services” and inserting “Subject to subsection  
5                   (f)(2), such services”; and

6                   (B) by amending subsection (f) to read as  
7                   follows:

8           “(f) PROGRAM CONTENTS.—(1) The program carried  
9           out under this section shall consist of instruction as fol-  
10          lows:

11                   “(A) One day of preseparation training  
12                   specific to the armed force concerned, as deter-  
13                   mined by the Secretary concerned.

14                   “(B) One day of instruction regarding—  
15                           “(i) benefits under laws administered  
16                           by the Secretary of Veterans Affairs; and  
17                           “(ii) other subjects determined by the  
18                           Secretary concerned.

19                   “(C) One day of instruction regarding  
20                   preparation for employment.

21                   “(D) Two days of instruction regarding a  
22                   topic selected by the member from the following  
23                   subjects:

24                           “(i) Preparation for employment.

25                           “(ii) Preparation for education.

1                   “(iii) Preparation for vocational train-  
2                   ing.

3                   “(iv) Preparation for entrepreneur-  
4                   ship.

5                   “(v) Other options determined by the  
6                   Secretary concerned.

7           “(2) The Secretary concerned may permit a member  
8 to attend training and instruction under the program es-  
9 tablished under this section—

10                   “(A) before the time periods established under  
11                   section 1142(a)(3) of this title;

12                   “(B) in addition to such training and instruc-  
13                   tion required during such time periods.”.

14                   (2) DEADLINE.—The Transition Assistance  
15                   Program shall comply with the requirements of sec-  
16                   tion 1144(f) of title 10, United States Code, as  
17                   amended by paragraph (1), not later than 1 year  
18                   after the date of the enactment of this Act.

19                   (3) ACTION PLAN.—Not later than 120 days  
20                   after the date of the enactment of this Act, the Sec-  
21                   retary of Defense shall submit an action plan to the  
22                   congressional defense committees that—

23                               (A) details how the Secretary shall imple-  
24                               ment the requirements of section 1144(f) of

1 title 10, United States Code, as amended by  
2 paragraph (1); and

3 (B) details how the Secretary, in consulta-  
4 tion with the Secretaries of Veterans Affairs  
5 and Labor, shall establish standardized per-  
6 formance metrics to measure Transition Assist-  
7 ance Program participation and outcome-based  
8 objective benchmarks in order to—

9 (i) provide feedback to the Depart-  
10 ments of Defense, Veterans Affairs, and  
11 Labor;

12 (ii) improve the curriculum of the  
13 Transition Assistance Program;

14 (iii) share best practices;

15 (iv) facilitate effective oversight of the  
16 Transition Assistance Program; and

17 (v) ensure members obtain sufficient  
18 financial literacy to effectively leverage  
19 conferred benefits and opportunities for  
20 employment, education, vocational training,  
21 and entrepreneurship.

22 (4) REPORT.—On the date that is 2 years after  
23 the date of the enactment of this Act and annually  
24 thereafter for the subsequent 4 years, the Secretary  
25 of Defense shall submit to the Committees on Armed

1 Services and Veterans' Affairs of the Senate and the  
2 House of Representatives, the Committee on Com-  
3 merce, Science, and Transportation of the Senate,  
4 and the Committee on Transportation and Infra-  
5 structure of the House of Representatives, a report  
6 regarding members of the Armed Forces who have  
7 attended Transition Assistance Program counseling  
8 during the preceding year. The report shall detail  
9 the following:

10 (A) The total number of members who at-  
11 tended Transition Assistance Program coun-  
12 seling.

13 (B) The number of members who attended  
14 Transition Assistance Program counseling  
15 under paragraph (1) of section 1144(f) of title  
16 10, as amended by paragraph (1).

17 (C) The number of members who attended  
18 Transition Assistance Program counseling  
19 under paragraph (2) of such section.

20 (D) The number of members who elected  
21 to attend each two-day instruction under para-  
22 graph (1)(D) of such section.

1 **SEC. 553. REPEAL OF PROGRAM ON ENCOURAGEMENT OF**  
2 **POSTSEPARATION PUBLIC AND COMMUNITY**  
3 **SERVICE.**

4 (a) REPEAL.—

5 (1) IN GENERAL.—Section 1143a of title 10,  
6 United States Code, is repealed.

7 (2) CLERICAL AMENDMENT.—The table of sec-  
8 tions at the beginning of chapter 58 of such title is  
9 amended by striking the item relating to section  
10 1143a.

11 (b) CONFORMING AMENDMENTS.—

12 (1) Section 1144(b) of title 10, United States  
13 Code, is amended—

14 (A) by striking paragraph (8); and

15 (B) by redesignating paragraphs (9), (10),  
16 and (11) as paragraphs (8), (9), and (10), re-  
17 spectively.

18 (2) Section 1142(b)(4)(C) of such title is  
19 amended by striking “the public and community  
20 service jobs program carried out under section  
21 1143a of this title, and”.

22 (3) Section 159(c)(2)(D) of the National and  
23 Community Service Act of 1990 (42 U.S.C.  
24 12619(c)(2)(D)) is amended by striking “and as em-  
25 ployment with a public service or community service

1 organization for purposes of section 4464 of that  
2 Act”.

3 (4) Section 162(a)(2) of such Act (42 U.S.C.  
4 12622(a)(2)) is amended by striking “shall” and all  
5 that follows through “provide other” and inserting  
6 “shall provide”.

7 (5) Subsection (c) of section 4403 of the Na-  
8 tional Defense Authorization Act for Fiscal Year  
9 1993 (Public Law 102–484; 10 U.S.C. 1293 note)  
10 is amended to read as follows:

11 “(c) INAPPLICABILITY OF CERTAIN PROVISIONS.—  
12 During the period specified in subsection (i)(2), this sec-  
13 tion does not apply as follows:

14 “(1) To members of the Coast Guard, notwith-  
15 standing section 542(d) of the National Defense Au-  
16 thorization Act for Fiscal Year 1995 (Public Law  
17 103–337; 10 U.S.C. 1293 note).

18 “(2) To members of the commissioned corps of  
19 the National Oceanic and Atmospheric Administra-  
20 tion, notwithstanding section 566(c) of the National  
21 Defense Authorization Act for Fiscal Year 1996  
22 (Public Law 104–106; 10 U.S.C. 1293 note).”.

23 (c) CONFORMING REPEAL.—

24 (1) REPEAL.—Section 4464 of the National  
25 Defense Authorization Act for Fiscal Year 1993

1 (Public Law 102–484; 10 U.S.C. 1143a note) is re-  
2 pealed.

3 (2) **APPLICABILITY.**—The repeal made under  
4 paragraph (1) shall apply with respect to an indi-  
5 vidual who retires from the Armed Forces on or  
6 after the date of the enactment of this Act.

7 **SEC. 554. CLARIFICATION OF APPLICATION AND HONOR-**  
8 **ABLE SERVICE REQUIREMENTS UNDER THE**  
9 **TROOPS-TO-TEACHERS PROGRAM TO MEM-**  
10 **BERS OF THE RETIRED RESERVE.**

11 (a) **IN GENERAL.**—Paragraph (2)(B) of section  
12 1154(d) of title 10, United States Code, is amended—

13 (1) by inserting “(A)(iii),” after “(A)(i),”;

14 (2) by inserting “transferred to the Retired Re-  
15 serve, or” after “member is retired,”; and

16 (3) by striking “separated,” and inserting “sep-  
17 arated”.

18 (b) **CONFORMING AMENDMENTS.**—The second sen-  
19 tence of paragraph (3)(D) of such section is amended—

20 (1) by inserting “, the transfer of the member  
21 to the Retired Reserve,” after “retirement of the  
22 member”; and

23 (2) by inserting “transfer,” after “after the re-  
24 tirement,”.

1 **SEC. 555. EMPLOYMENT AND COMPENSATION OF CIVILIAN**  
2 **FACULTY MEMBERS AT THE JOINT SPECIAL**  
3 **OPERATIONS UNIVERSITY.**

4 Section 1595(c) of title 10, United States Code, is  
5 amended by adding at the end the following new para-  
6 graph:

7 “(5) The Joint Special Operations University.”.

8 **SEC. 556. PROGRAM TO ASSIST MEMBERS OF THE ARMED**  
9 **FORCES IN OBTAINING PROFESSIONAL CRE-**  
10 **DENTIALS.**

11 Section 2015(a) of title 10, United States Code, is  
12 amended by striking “related to military training” and all  
13 that follows through the period at the end of paragraph  
14 (2) and inserting “that translate into civilian occupa-  
15 tions.”.

16 **SEC. 557. ENHANCEMENT OF AUTHORITIES IN CONNEC-**  
17 **TION WITH JUNIOR RESERVE OFFICERS’**  
18 **TRAINING CORPS PROGRAMS.**

19 (a) FLEXIBILITY IN AUTHORITIES FOR MANAGE-  
20 MENT OF PROGRAMS AND UNITS.—

21 (1) IN GENERAL.—Chapter 102 of title 10,  
22 United States Code, is amended by adding at the  
23 end the following new section:

1 **“§ 2035. Flexibility in authorities for management of**  
2 **programs and units**

3 “(a) AUTHORITY TO CONVERT OTHERWISE CLOSING  
4 UNITS TO NATIONAL DEFENSE CADET CORPS PROGRAM  
5 UNITS.—If the Secretary of a military department is noti-  
6 fied by a local educational agency of the intent of the  
7 agency to close its Junior Reserve Officers’ Training  
8 Corps, the Secretary shall offer the agency the option of  
9 converting the unit to a National Defense Cadet Corps  
10 (NDCC) program unit in lieu of closing the unit.

11 “(b) FLEXIBILITY IN ADMINISTRATION OF INSTRU-  
12 TORS.—

13 “(1) IN GENERAL.—The Secretaries of the mili-  
14 tary departments may, without regard to any other  
15 provision of this chapter, undertake initiatives de-  
16 signed to promote flexibility in the hiring and com-  
17 pensation of instructors for the Junior Reserve Offi-  
18 cers’ Training Corps program under the jurisdiction  
19 of such Secretaries.

20 “(2) ELEMENTS.—The initiatives undertaken  
21 pursuant to this subsection may provide for one or  
22 more of the following:

23 “(A) Termination of the requirement for a  
24 waiver as a condition of the hiring of well-quali-  
25 fied non-commissioned officers with a bachelor’s

1 degree for senior instructor positions within the  
2 Junior Reserve Officers' Training Corps.

3 “(B) Specification of a single instructor as  
4 the minimum number of instructors required to  
5 found and operate a Junior Reserve Officers'  
6 Training Corps unit.

7 “(C) Authority for Junior Reserve Offi-  
8 cers' Training Corps instructors to undertake  
9 school duties, in addition to Junior Reserve Of-  
10 ficers' Training Corps duties, at small schools.

11 “(D) Authority for the payment of instruc-  
12 tor compensation for a limited number of Jun-  
13 ior Reserve Officers' Training Corps instructors  
14 on a 10-month per year basis rather than a 12-  
15 month per year basis.

16 “(E) Such other actions as the Secretaries  
17 of the military departments consider appro-  
18 priate.

19 “(c) FLEXIBILITY IN ALLOCATION AND USE OF  
20 TRAVEL FUNDING.—The Secretaries of the military de-  
21 partments shall take appropriate actions to provide so-  
22 called regional directors of the Junior Reserve Officers'  
23 Training Corps programs located at remote rural schools  
24 enhanced discretion in the allocation and use of funds for

1 travel in connection with Junior Reserve Officers' Train-  
2 ing Corps activities.

3       “(d) STANDARDIZATION OF PROGRAM DATA.—The  
4 Secretary of Defense shall take appropriate actions to  
5 standardize the data collected and maintained on the Jun-  
6 ior Reserve Officers' Training Corps programs in order  
7 to facilitate and enhance the collection and analysis of  
8 such data. Such actions shall include a requirement for  
9 the use of the National Center for Education Statistics  
10 (NCES) identification code for each school with a unit  
11 under a Junior Reserve Officers' Training Corps program  
12 in order to facilitate identification of such schools and  
13 their units under the Junior Reserve Officers' Training  
14 Corps programs.”.

15           (2) CLERICAL AMENDMENT.—The table of sec-  
16 tions at the beginning of chapter 102 of such title  
17 is amended by adding at the end the following new  
18 item:

“2035. Flexibility in authorities for management of programs and units.”.

19       (b) AUTHORITY FOR ADDITIONAL UNITS.—The Sec-  
20 retaries of the military departments may, using amounts  
21 authorized to be appropriated by this Act and available  
22 in the funding tables in sections 4301 and 4401 for pur-  
23 poses of the Junior Reserve Officers' Training Corps pro-  
24 grams, establish an aggregate of not more than 100 units  
25 under the Junior Reserve Officers' Training Corps pro-

1 grams in low-income and rural areas of the United States  
2 and areas of the United States currently underserved by  
3 the Junior Reserve Officers' Training Corps programs.

4 **SEC. 558. EXPANSION OF PERIOD OF AVAILABILITY OF**  
5 **MILITARY ONESOURCE PROGRAM FOR RE-**  
6 **TIRED AND DISCHARGED MEMBERS OF THE**  
7 **ARMED FORCES AND THEIR IMMEDIATE FAM-**  
8 **ILIES.**

9 (a) IN GENERAL.—Under regulations prescribed by  
10 the Secretary of Defense, the period of eligibility for the  
11 Military OneSource program of the Department of De-  
12 fense of an eligible individual retired, discharged, or other-  
13 wise released from the Armed Forces, and for the eligible  
14 immediate family members of such an individual, shall be  
15 the one-year period beginning on the date of the retire-  
16 ment, discharge, or release, as applicable, of such indi-  
17 vidual.

18 (b) INFORMATION TO FAMILIES.—The Secretary  
19 shall, in such manner as the Secretary considers appro-  
20 priate, inform military families and families of veterans  
21 of the Armed Forces of the wide range of benefits avail-  
22 able through the Military OneSource program.

1 **SEC. 559. PROHIBITION ON USE OF FUNDS FOR ATTEND-**  
2 **ANCE OF ENLISTED PERSONNEL AT SENIOR**  
3 **LEVEL AND INTERMEDIATE LEVEL OFFICER**  
4 **PROFESSIONAL MILITARY EDUCATION**  
5 **COURSES.**

6 (a) PROHIBITION.—None of the funds authorized to  
7 be appropriated or otherwise made available for the De-  
8 partment of Defense may be obligated or expended for the  
9 purpose of the attendance of enlisted personnel at senior  
10 level and intermediate level officer professional military  
11 education courses.

12 (b) SENIOR LEVEL AND INTERMEDIATE LEVEL OF-  
13 FICER PROFESSIONAL MILITARY EDUCATION COURSES  
14 DEFINED.—In this section, the term “senior level and in-  
15 termediate level officer professional military education  
16 courses” means any course for officers offered by a school  
17 specified in paragraph (1) or (2) of section 2151(b) of title  
18 10, United States Code.

19 (c) REPEAL OF SUPERSEDED LIMITATION.—

20 (1) IN GENERAL.—Section 547 of the National  
21 Defense Authorization Act for Fiscal Year 2018  
22 (Public Law 115–91) is repealed.

23 (2) PRESERVATION OF CERTAIN REPORTING  
24 REQUIREMENT.—The repeal in paragraph (1) shall  
25 not be interpreted to terminate the requirement of  
26 the Comptroller General of the United States to sub-

1 mit the report required by subsection (c) of section  
2 547 of the National Defense Authorization Act for  
3 Fiscal Year 2018.

4 **Subtitle G—Defense Dependents’**  
5 **Education**

6 **SEC. 561. ASSISTANCE TO SCHOOLS WITH MILITARY DE-**  
7 **PENDENT STUDENTS.**

8 (a) IMPACT AID FOR CHILDREN WITH SEVERE DIS-  
9 ABILITIES.—

10 (1) IN GENERAL.—Of the amount authorized to  
11 be appropriated for fiscal year 2019 pursuant to sec-  
12 tion 301 and available for operation and mainte-  
13 nance for Defense-wide activities as specified in the  
14 funding table in section 4301, \$10,000,000 shall be  
15 available for payments under section 363 of the  
16 Floyd D. Spence National Defense Authorization  
17 Act for Fiscal Year 2001 (Public Law 106–398; 20  
18 U.S.C. 7703a).

19 (2) USE OF CERTAIN AMOUNT.—Of the amount  
20 available under paragraph (1) for payments as de-  
21 scribed in that paragraph, \$5,000,000 shall be avail-  
22 able for such payments to local educational agencies  
23 determined by the Secretary of Defense, in the dis-  
24 cretion of the Secretary, to have higher concentra-  
25 tions of military children with severe disabilities.

1 (b) ASSISTANCE TO SCHOOLS WITH SIGNIFICANT  
2 NUMBERS OF MILITARY DEPENDENT STUDENTS.—Of the  
3 amount authorized to be appropriated for fiscal year 2019  
4 by section 301 and available for operation and mainte-  
5 nance for Defense-wide activities as specified in the fund-  
6 ing table in section 4301, \$40,000,000 shall be available  
7 only for the purpose of providing assistance to local edu-  
8 cational agencies under subsection (a) of section 572 of  
9 the National Defense Authorization Act for Fiscal Year  
10 2006 (Public Law 109–163; 20 U.S.C. 7703b).

11 (c) LOCAL EDUCATIONAL AGENCY DEFINED.—In  
12 this section, the term “local educational agency” has the  
13 meaning given that term in section 7013(9) of the Ele-  
14 mentary and Secondary Education Act of 1965 (20 U.S.C.  
15 7713(9)).

16 **SEC. 562. DEPARTMENT OF DEFENSE EDUCATION ACTIVITY**  
17 **POLICIES AND PROCEDURES ON SEXUAL**  
18 **HARASSMENT OF STUDENTS OF ACTIVITY**  
19 **SCHOOLS.**

20 (a) APPLICABILITY OF TITLE IX PROTECTIONS.—  
21 The provisions of title IX of the Education Amendments  
22 of 1972 (20 U.S.C. 1681 et seq.) (in this section referred  
23 to as “title IX”) with respect to education programs or  
24 activities receiving Federal financial assistance shall apply  
25 equally to education programs and activities administered

1 by the Department of Defense Education Activity  
2 (DODEA).

3 (b) POLICIES AND PROCEDURES.—Not later than  
4 March 31, 2019, the Department of Defense Education  
5 Activity shall establish policies and procedures to protect  
6 students at schools of the Activity who are victims of sex-  
7 ual harassment. Such policies and procedures shall afford  
8 protections at least comparable to the protections afforded  
9 under title IX.

10 (c) ELEMENTS.—The policies and procedures re-  
11 quired by subsection (b) shall include, at a minimum, the  
12 following:

13 (1) A policy addressing sexual harassment of  
14 students at the schools of the Department of De-  
15 fense Education Activity that uses and incorporates  
16 terms, procedures, protections, investigation stand-  
17 ards, and standards of evidence consistent with title  
18 IX.

19 (2) A procedure by which—

20 (A) a student of a school of the Activity,  
21 or a parent of such a student, may file a com-  
22 plaint with the school alleging an incident of  
23 sexual harassment at the school; and

1 (B) such a student or parent may appeal  
2 the decision of the school regarding such com-  
3 plaint.

4 (3) A procedure and mechanisms for the ap-  
5 pointment and training of, and allocation of respon-  
6 sibility to, a coordinator at each school of the Activ-  
7 ity for sexual harassment matters involving students  
8 from the military community served by such school.

9 (4) Training of employees of the Activity, and  
10 volunteers at schools of the Activity, on the policies  
11 and procedures.

12 (5) Mechanisms for the broad distribution and  
13 display of the policy described in paragraph (1), in-  
14 cluding on the Internet website of the Activity and  
15 on Internet websites of schools of the Activity, in  
16 printed and online versions of student handbooks,  
17 and in brochures and flyers displayed on school bul-  
18 letin boards and in guidance counselor offices.

19 (6) Reporting and recordkeeping requirements  
20 designed to ensure that—

21 (A) complaints of sexual harassment at  
22 schools of the Activity are handled—

23 (i) with professionalism and consist-  
24 ency; and

1 (ii) in a manner that permits coordi-  
2 nators referred to in paragraph (3) to  
3 track trends in incidents of sexual harass-  
4 ment and to identify repeat offenders of  
5 sexual harassment; and

6 (B) appropriate members of the local lead-  
7 ership of military communities are held ac-  
8 countable for acting upon complaints of sexual  
9 harassment at schools of the Activity.

10 **SEC. 563. DEPARTMENT OF DEFENSE EDUCATION ACTIVITY**  
11 **MISCONDUCT DATABASE.**

12 (a) **COMPREHENSIVE DATABASE.**—The Secretary of  
13 Defense shall consolidate the various databases and mech-  
14 anisms for the reporting and tracking of juvenile mis-  
15 conduct in Department of Defense Education Activity  
16 (hereinafter in this section referred to as “DODEA”)  
17 schools into one comprehensive database for DODEA ju-  
18 venile misconduct. The comprehensive database shall in-  
19 clude all unresolved and all substantiated allegations of  
20 juvenile-on-juvenile sexual misconduct.

21 (b) **POLICY.**—The Secretary shall establish a com-  
22 prehensive policy regarding the reporting and tracking of  
23 juvenile misconduct cases occurring in DODEA schools,  
24 including policies establishing appropriate safeguards to  
25 prevent unauthorized disclosure of sensitive information

1 contained in the comprehensive database required by sub-  
2 section (a).

3 **SEC. 564. ASSESSMENT AND REPORT ON ACTIVE SHOOTER**  
4 **THREAT MITIGATION AT SCHOOLS LOCATED**  
5 **ON MILITARY INSTALLATIONS.**

6 (a) ASSESSMENT.—The Secretary of Defense shall  
7 conduct an assessment of strategies that may be used to  
8 address any security threat posed by active shooter inci-  
9 dents at public elementary schools and secondary schools  
10 located on the grounds of Federal military installations.

11 (b) REPORT.—Not later than 180 days after the date  
12 of the enactment of this Act, the Secretary of Defense  
13 shall submit to the Committees on Armed Services of the  
14 Senate and the House of Representatives a report that  
15 includes the results of the assessment conducted under  
16 subsection (a).

17 **Subtitle H—Military Family**  
18 **Readiness Matters**

19 **SEC. 571. DEPARTMENT OF DEFENSE MILITARY FAMILY**  
20 **READINESS COUNCIL MATTERS.**

21 (a) MEMBER MATTERS.—

22 (1) MEMBERSHIP.—Paragraph (1)(B) of sub-  
23 section (b) of section 1781a of title 10, United  
24 States Code, is amended—

1 (A) in clause (i), by striking “a member of  
2 the armed force to be represented” and insert-  
3 ing “a member or civilian employee of the  
4 armed force to be represented”; and

5 (B) by striking clause (ii) and inserting the  
6 following new clause (ii):

7 “(ii) One representative, who shall be  
8 a member or civilian employee of the Na-  
9 tional Guard Bureau, to represent both the  
10 Army National Guard and the Air Na-  
11 tional Guard.”.

12 (2) TERMS.—Paragraph (2) of such subsection  
13 is amended—

14 (A) in subparagraph (A)—

15 (i) in the first sentence, by striking  
16 “clauses (i) and (iii) of”; and

17 (ii) by striking the second sentence;  
18 and

19 (B) in subparagraph (B), by striking  
20 “three years” and inserting “two years”.

21 (b) DUTIES.—Subsection (d) of such section is  
22 amended—

23 (1) in paragraph (2), by striking “military fam-  
24 ily readiness by the Department of Defense” and in-

1       serting “military family readiness programs and ac-  
2       tivities of the Department of Defense”; and

3               (2) by adding at the end the following new  
4       paragraph:

5               “(4) To make recommendations to the Sec-  
6       retary of Defense to improve collaboration, aware-  
7       ness, and promotion of accurate and timely military  
8       family readiness information and support services by  
9       policy makers, service providers, and targeted bene-  
10      ficiaries.”.

11      (c) ANNUAL REPORTS.—Subsection (e) of such sec-  
12     tion is amended by striking “February 1” and inserting  
13     “July 1”.

14      (d) EFFECTIVE DATE.—

15              (1) IN GENERAL.—The amendments made by  
16     this section shall take effect on the date of the en-  
17     actment of this Act.

18              (2) APPLICABILITY OF MEMBERSHIP AND TERM  
19     AMENDMENTS.—The amendments made by sub-  
20     section (a) shall apply to members of the Depart-  
21     ment of Defense Military Family Readiness Council  
22     appointed after the date of the enactment of this  
23     Act.

1 **SEC. 572. ENHANCEMENT AND CLARIFICATION OF FAMILY**  
2 **SUPPORT SERVICES FOR FAMILY MEMBERS**  
3 **OF MEMBERS OF SPECIAL OPERATIONS**  
4 **FORCES.**

5 Section 1788a of title 10, United States Code, is  
6 amended—

7 (1) by striking “activities” each place it appears  
8 and inserting “services”;

9 (2) in subsection (b)(2), by striking “activity”  
10 and inserting “service”;

11 (3) in subsection (c), by striking “\$5,000,000”  
12 and inserting “\$10,000,000”; and

13 (4) in subsection (e), by adding at the end the  
14 following new paragraph:

15 “(4) The term ‘family support services’ includes  
16 costs of transportation, food, lodging, child care,  
17 supplies, fees, and training materials for immediate  
18 family members of members of the armed forces as-  
19 signed to special operations forces while partici-  
20 pating in programs under subsection (a).”.

21 **SEC. 573. TEMPORARY EXPANSION OF AUTHORITY FOR**  
22 **NONCOMPETITIVE APPOINTMENTS OF MILI-**  
23 **TARY SPOUSES BY FEDERAL AGENCIES.**

24 (a) **EXPANSION TO INCLUDE ALL SPOUSES OF MEM-**  
25 **BERS OF THE ARMED FORCES ON ACTIVE DUTY.**—Sec-  
26 tion 3330d of title 5, United States Code, is amended—

1 (1) in subsection (a)—

2 (A) by striking paragraphs (3), (4), and  
3 (5); and

4 (B) by redesignating paragraph (6) as  
5 paragraph (3);

6 (2) by striking subsections (b) and (c) and in-  
7 serting the following new subsection (b):

8 “(b) APPOINTMENT AUTHORITY.—The head of an  
9 agency may appoint noncompetitively—

10 “(1) a spouse of a member of the Armed Forces  
11 on active duty; or

12 “(2) a spouse of a disabled or deceased member  
13 of the Armed Forces.”;

14 (3) by redesignating subsection (d) as sub-  
15 section (c); and

16 (4) in subsection (c), as so redesignated, by  
17 striking “subsection (a)(6)” in paragraph (1) and  
18 inserting “subsection (a)(3)”.

19 (b) CLERICAL AMENDMENT.—The table of sections  
20 at the beginning of chapter 33 of such title is amended  
21 by striking the item relating to section 3330d and insert-  
22 ing the following new item:

“3330d. Appointment of military spouses.”.

23 (c) HEADING AMENDMENT.—The heading of such  
24 section is amended to read as follows:

1 **“§ 3330d. Appointment of military spouses”.**

2 (d) OPM LIMITATION AND REPORTS.—

3 (1) RELOCATING SPOUSES.—With respect to  
4 the noncompetitive appointment of a relocating  
5 spouse of a member of the Armed Forces under sub-  
6 section (b)(1) of section 3330d of title 5, United  
7 States Code, as amended by subsection (a), the Di-  
8 rector of the Office of Personnel Management—

9 (A) shall monitor the number of such ap-  
10 pointments;

11 (B) shall require the head of each agency  
12 with authority to make such appointments  
13 under such section to submit an annual report  
14 to the Director on such appointments, including  
15 information on the number of individuals so ap-  
16 pointed, the types of positions filled, and the ef-  
17 fectiveness of the authority for such appoint-  
18 ments; and

19 (C) not later than 18 months after the  
20 date of the enactment of this Act, shall submit  
21 a report to the Committee on Oversight and  
22 Government Reform of the House of Represent-  
23 atives and the Committee on Homeland Secu-  
24 rity and Government Affairs of the Senate on  
25 the use and effectiveness of such authority.

1           (2) NON-RELOCATING SPOUSES.—With respect  
2           to the noncompetitive appointment of a spouse of a  
3           member of the Armed Forces other than a relocating  
4           spouse described in paragraph (1), the Director of  
5           the Office of Personnel Management—

6                   (A) shall treat the spouse as a relocating  
7                   spouse under paragraph (1); and

8                   (B) may limit the number of such appoint-  
9                   ments.

10          (e) SUNSET.—Effective on the date that is 5 years  
11          after the date of the enactment of this Act—

12                   (1) the authority provided by this section, and  
13                   the amendments made by this section, shall expire;  
14                   and

15                   (2) the provisions of section 3330d of title 5,  
16                   United States Code, amended or repealed by such  
17                   section are restored or revived as if such section had  
18                   not been enacted.

19          **SEC. 574. IMPROVEMENT OF MY CAREER ADVANCEMENT**  
20                   **ACCOUNT PROGRAM FOR MILITARY**  
21                   **SPOUSES.**

22          (a) OUTREACH ON AVAILABILITY OF PROGRAM.—  
23          The Secretary of Defense shall take appropriate actions  
24          to ensure that military spouses who are eligible for partici-  
25          pation in the My Career Advancement Account program

1 of the Department of Defense are, to the extent prac-  
2 ticable, made aware of the program.

3 (b) **COMPTROLLER GENERAL REPORT.**—Not later  
4 than 180 days after the date of the enactment of this Act,  
5 the Comptroller General of the United States shall submit  
6 to the Committees on Armed Services of the Senate and  
7 the House of Representatives a report setting forth such  
8 recommendations as the Comptroller General considers  
9 appropriate regarding the following:

10 (1) Mechanisms to increase awareness of the  
11 My Career Advancement Account program of the  
12 Department of Defense among military spouses who  
13 are eligible to participate in the program.

14 (2) Mechanisms to increase participation in the  
15 My Career Advancement Account program among  
16 military spouses who are eligible to participate in the  
17 program.

18 (c) **TRAINING FOR INSTALLATION CAREER COUN-**  
19 **SELORS ON PROGRAM.**—The Secretaries of the military  
20 departments shall take appropriate actions to ensure that  
21 career counselors at military installations receive appro-  
22 priate training and current information on eligibility for  
23 and use of benefits under the My Career Advancement Ac-  
24 count program, including financial assistance to cover  
25 costs associated with professional recertification, port-

1 ability of occupational licenses, professional credential  
2 exams, and other mechanisms in connection with the port-  
3 ability of professional licenses.

4 **SEC. 575. ASSESSMENT AND REPORT ON THE EFFECTS OF**  
5 **PERMANENT CHANGES OF STATION ON EM-**  
6 **PLOYMENT AMONG MILITARY SPOUSES.**

7 (a) **ASSESSMENT REQUIRED.**—The Secretary of De-  
8 fense shall conduct an assessment of the effects of fre-  
9 quent, permanent changes of station on the stability of  
10 employment among spouses of members of the Armed  
11 Forces.

12 (b) **ELEMENTS.**—The assessment required under  
13 subsection (a) shall include the following:

14 (1) An assessment of how frequent, permanent  
15 changes of station may contribute to unemployment  
16 or underemployment among spouses of members of  
17 the Armed Forces.

18 (2) An assessment of how unemployment and  
19 underemployment among military spouses may affect  
20 force readiness.

21 (3) Such recommendations as the Secretary  
22 considers appropriate regarding legislative or admin-  
23 istration actions that may be carried out to achieve  
24 force readiness and stabilization through the mini-  
25 mization of the impacts of frequent, permanent

1 changes in station on the stability of employment  
2 among military spouses.

3 (c) REPORT.—Not later than February 1, 2019, the  
4 Secretary of Defense shall submit to the Committees on  
5 Armed Services of the Senate and the House of Represent-  
6 atives a report that includes the results of the assessment  
7 with respect to each element described in subsection (b).

8 **SEC. 576. PROVISIONAL OR INTERIM CLEARANCES TO PRO-**  
9 **VIDE CHILDCARE SERVICES AT MILITARY**  
10 **CHILDCARE CENTERS.**

11 (a) IN GENERAL.—The Secretary of Defense shall  
12 implement a policy to permit the issuance on a provisional  
13 or interim basis of clearances for the provision of childcare  
14 services at military childcare centers.

15 (b) ELEMENTS.—The policy required by subsection  
16 (a) shall provide for the following:

17 (1) Any clearance issued under the policy shall  
18 be temporary and contingent upon the satisfaction  
19 of such requirements for the issuance of a clearance  
20 on a permanent basis as the Secretary considers ap-  
21 propriate.

22 (2) Any individual issued a clearance on a pro-  
23 visional or interim basis under the policy shall be  
24 subject to such supervision in the provision of

1       childcare services using such clearance as the Sec-  
2       retary considers appropriate.

3       (c) CLEARANCE DEFINED.—In this section, the term  
4       “clearance”, with respect to an individual and the provi-  
5       sion of childcare services, means the formal approval of  
6       the individual, after appropriate background checks and  
7       other review, to provide childcare services to children at  
8       a military childcare center of the Department of Defense.

9       **SEC. 577. MULTIDISCIPLINARY TEAMS FOR MILITARY IN-**  
10                   **STALLATIONS ON CHILD ABUSE AND OTHER**  
11                   **DOMESTIC VIOLENCE.**

12       (a) MULTIDISCIPLINARY TEAMS REQUIRED.—

13               (1) IN GENERAL.—Under regulations prescribed  
14       by each Secretary concerned, there shall be estab-  
15       lished and maintained for each military installation,  
16       except as provided in paragraph (2), one or more  
17       multidisciplinary teams on child abuse and other do-  
18       mestic violence for the purposes specified in sub-  
19       section (b).

20               (2) SINGLE TEAM FOR PROXIMATE INSTALLA-  
21       TIONS.—A single multidisciplinary team described in  
22       paragraph (1) may be established and maintained  
23       under this subsection for two or more military in-  
24       stallations in proximity with one another if the Sec-  
25       retary concerned determines, in consultation with

1 the Secretary of Defense, that a single team for such  
2 installations suffices to carry out the purposes of  
3 such teams under subsection (b) for such installa-  
4 tions.

5 (b) PURPOSES.—The purposes of each multidisci-  
6 plinary team maintained pursuant to subsection (a) shall  
7 be as follows:

8 (1) To provide for the sharing of information  
9 among such team and other appropriate personnel  
10 on the installation or installations concerned regard-  
11 ing the progress of investigations into and resolu-  
12 tions of incidents of child abuse and other domestic  
13 violence involving members of the Armed Forces sta-  
14 tioned at or otherwise assigned to the installation or  
15 installations.

16 (2) To provide for and enhance collaborative ef-  
17 forts among such team and other appropriate per-  
18 sonnel of the installation or installations regarding  
19 investigations into and resolutions of such incidents.

20 (3) To enhance the social services available to  
21 military families at the installation or installations in  
22 connection with such incidents, including through  
23 the enhancement of cooperation among specialists  
24 and other personnel providing such services to such  
25 military families in connection with such incidents.

1           (4) To carry out such other duties regarding  
2           the response to child abuse and other domestic vio-  
3           lence at the installation or installations as the Sec-  
4           retary concerned considers appropriate for such pur-  
5           poses.

6           (c) PERSONNEL.—

7           (1) IN GENERAL.—Each multidisciplinary team  
8           maintained pursuant to subsection (a) shall be com-  
9           posed of the following:

10                   (A) One or more judge advocates.

11                   (B) Appropriate personnel of one or more  
12           military criminal investigation services.

13                   (C) Appropriate mental health profes-  
14           sionals.

15                   (D) Appropriate medical personnel.

16                   (E) Family advocacy case workers.

17                   (F) Such other personnel as the Secretary  
18           or Secretaries concerned consider appropriate.

19           (2) EXPERTISE AND TRAINING.—Any individual  
20           assigned to a multidisciplinary team shall possess  
21           such expertise, and shall undertake such training as  
22           is required to maintain such expertise, as the Sec-  
23           retary concerned shall specify for purposes of this  
24           section in order to ensure that members of the team  
25           remain appropriately qualified to carry out the pur-

1 poses of the team under this section. The training  
2 and expertise so specified shall include training and  
3 expertise on special victims' crimes, including child  
4 abuse and other domestic violence.

5 (d) COORDINATION AND COLLABORATION WITH  
6 NON-MILITARY RESOURCES.—

7 (1) USE OF COMMUNITY RESOURCES SERVING  
8 INSTALLATIONS.—In providing under this section for  
9 a multidisciplinary team for a military installation or  
10 installations that benefit from services or resources  
11 on child abuse or other domestic violence that are  
12 provided by civilian entities in the vicinity of the in-  
13 stallation or installations, the Secretary concerned  
14 may take the availability of such services or re-  
15 sources to the installation or installations into ac-  
16 count in providing for the composition and duties of  
17 the team.

18 (2) BEST PRACTICES.—The Secretaries con-  
19 cerned shall take appropriate actions to ensure that  
20 multidisciplinary teams maintained pursuant to sub-  
21 section (a) remain fully and currently apprised of  
22 best practices in the civilian sector on investigations  
23 into and resolutions of incidents of child abuse and  
24 other domestic violence and on the social services  
25 provided in connection with such incidents.

1           (3) COLLABORATION.—In providing for the en-  
2           hancement of social services available to military  
3           families in accordance with subsection (b)(3), the  
4           Secretaries concerned shall permit, facilitate, and  
5           encourage multidisciplinary teams to collaborate  
6           with appropriate civilian agencies in the vicinity of  
7           the military installations concerned with regard to  
8           availability, provision, and use of such services to  
9           and by such families.

10          (e) ANNUAL REPORTS.—Not later than March 1 of  
11         each year from 2020 through 2022, each Secretary con-  
12         cerned shall submit to the Committees on Armed Services  
13         of the Senate and the House of Representatives a report  
14         on the activities of multidisciplinary teams maintained  
15         pursuant to subsection (a) under the jurisdiction of such  
16         Secretary during the preceding year. Each report shall set  
17         forth, for the period covered by such report, the following:

18                 (1) A summary description of the activities of  
19                 the multidisciplinary teams concerned, including the  
20                 number and composition of such teams, the recur-  
21                 ring activities of such teams, and any notable  
22                 achievements of such teams.

23                 (2) A description of any impediments to the ef-  
24                 fectiveness of such teams.

1           (3) Such recommendations for legislative or ad-  
2 ministrative action as such Secretary considers ap-  
3 propriate in order to improve the effectiveness of  
4 such teams.

5           (4) Such other matters with respect to such  
6 teams as such Secretary considers appropriate.

7 (f) SECRETARY CONCERNED.—

8           (1) DEFINITION.—In this section, the term  
9 “Secretary concerned” has the meaning given that  
10 term in section 101(a)(9) of title 10, United States  
11 Code.

12           (2) USAGE WITH RESPECT TO MULTIPLE IN-  
13 STALLATIONS.—For purposes of this section, any  
14 reference to “Secretary concerned” with respect to a  
15 single multidisciplinary team established and main-  
16 tained pursuant to subsection (a) for two or more  
17 military installations that are under the jurisdiction  
18 of different Secretaries concerned, shall be deemed  
19 to refer to each Secretary concerned who has juris-  
20 diction of such an installation, acting jointly.

21 **SEC. 578. PILOT PROGRAM FOR MILITARY FAMILIES: PRE-**  
22 **VENTION OF CHILD ABUSE AND TRAINING ON**  
23 **SAFE CHILDCARE PRACTICES.**

24 (a) PILOT PROGRAM.—

1           (1) PURPOSE.—In order to reduce child abuse  
2           and fatalities due to abuse or neglect in covered  
3           households, the Secretary of Defense, acting through  
4           the Defense Health Agency, shall carry out a pilot  
5           program to—

6                   (A) provide information regarding safe  
7                   childcare practices to covered households;

8                   (B) identify and assess risk factors for  
9                   child abuse in covered households; and

10                   (C) facilitate connections between covered  
11                   households and community resources.

12           (2) PROHIBITION ON DELEGATION.—The Sec-  
13           retary may not carry out the pilot program through  
14           the Family Advocacy Program.

15           (3) LOCATIONS.—The Secretary shall carry out  
16           the pilot program at no fewer than five military in-  
17           stallations that reflect a range of characteristics in-  
18           cluding the following:

19                   (A) Urban location.

20                   (B) Rural location.

21                   (C) Large population.

22                   (D) Small population.

23                   (E) High incidence of child abuse, neglect,  
24           or both.

1 (F) Low incidence of child abuse, neglect,  
2 or both.

3 (G) Presence of a hospital or clinic.

4 (H) Lack of a hospital or clinic.

5 (I) Joint installation.

6 (J) Serving only one Armed Force.

7 (4) TERM.—The pilot program shall terminate  
8 two years after implementation.

9 (5) DESIGN.—The Secretary shall design the  
10 pilot program in consultation with military family  
11 groups to respond to the needs of covered house-  
12 holds.

13 (6) ELEMENTS.—The pilot program shall in-  
14 clude the following elements:

15 (A) Postnatal services, including screening  
16 to identify family needs and potential risk fac-  
17 tors, and make referrals to appropriate commu-  
18 nity services with the use of the electronic data  
19 described in subparagraphs (F) and (G).

20 (B) The Secretary shall identify at least  
21 three approaches to screening, identification,  
22 and referral under subparagraph (A) that em-  
23 pirically improve outcomes for parents and in-  
24 fants.

1 (C) Services and resources designed for a  
2 covered household by the Secretary after con-  
3 sidering the information gained from the  
4 screening and identification under subpara-  
5 graph (A). Such services and resources may in-  
6 clude or address the following:

- 7 (i) General maternal and infant health  
8 exam.
- 9 (ii) Safe sleeping environments.
- 10 (iii) Feeding and bathing.
- 11 (iv) Adequate child supervision.
- 12 (v) Common hazards.
- 13 (vi) Self-care.
- 14 (vii) Postpartum depression, sub-  
15 stance abuse, or domestic violence.
- 16 (viii) Community violence.
- 17 (ix) Skills for management of infant  
18 crying.
- 19 (x) Other positive parenting skills and  
20 practices.
- 21 (xi) The importance of participating  
22 in ongoing healthcare for an infant and for  
23 treating postpartum depression.
- 24 (xii) Finding, qualifying for, and par-  
25 ticipating in available community resources

1 with respect to infant care, childcare, par-  
2 enting support, and home visits.

3 (xiii) Planning for parenting or guard-  
4 ianship of children during deployment and  
5 reintegration.

6 (xiv) Such other matters as the Sec-  
7 retary, in consultation with military fami-  
8 lies, considers appropriate.

9 (D) Home visits to provide support,  
10 screening and referral services shall be offered  
11 as needed. The number of visits offered shall be  
12 guided by parental interest and family need,  
13 but in general is expected to be no more than  
14 three.

15 (E) If a parent is deployed at the time of  
16 birth—

17 (i) the first in-home visit under sub-  
18 paragraph (D) shall, to the extent prac-  
19 ticable, incorporate both parents, in person  
20 with the local parent and by electronic  
21 means with the deployed parent; and

22 (ii) another such home visit shall be  
23 offered upon the return of the parent from  
24 deployment, and shall include both par-

1                   ents, if determined in the best interest of  
2                   the family.

3                   (F) An electronic directory of community  
4                   resources available to covered households and  
5                   pilot program personnel to help covered house-  
6                   holds access such resources.

7                   (G) An electronic integrated data system  
8                   to—

9                   (i) help pilot program personnel refer  
10                  eligible covered beneficiaries to services  
11                  and resources under the pilot program;

12                  (ii) track usage of such services and  
13                  resources and interactions between such  
14                  personnel and covered households; and

15                  (iii) evaluate the implementation, out-  
16                  comes, and effectiveness of the pilot pro-  
17                  gram.

18                  (b) VOLUNTARY PARTICIPATION.—Participation in  
19                  the pilot program shall be at the election of a covered ben-  
20                  eficiary in an eligible household.

21                  (c) OUTREACH.—

22                  (1) IN GENERAL.—Not later than 30 days after  
23                  implementing the pilot program, the Secretary shall  
24                  notify each covered household of the services pro-  
25                  vided under subsection (b).

1           (2)       COVERED       HOUSEHOLDS       WITH  
2       NEWBORNS.—No later than 30 days after a birth in  
3       a covered household, the Secretary shall contact  
4       such covered household to encourage participation in  
5       the pilot program.

6       (d) ASSESSMENTS.—

7           (1) NUMBER.—The Secretary shall carry out no  
8       fewer than five assessments of the pilot program.

9           (2) COMPARISON INSTALLATIONS.—For pur-  
10       poses of this subsection, the Secretary shall also se-  
11       lect such number of other military installations the  
12       Secretary determines appropriate as comparison in-  
13       stallations for purposes of assessing the outcomes of  
14       the pilot.

15          (3) ASSESSMENT.—The Secretary shall assess  
16       each of the following:

17           (A) Success in contacting covered house-  
18       holds for participation in the pilot.

19           (B) The percentage of covered households  
20       that elect to participate in the pilot program.

21           (C) The extent to which covered house-  
22       holds participating in the pilot program are  
23       connected to services and resources under the  
24       pilot program.

1 (D) The extent to which covered house-  
2 holds participating in the pilot program use  
3 services and resources under the pilot program.

4 (E) Compliance of pilot program personnel  
5 with pilot program protocols.

6 (e) REPORTS.—

7 (1) INITIAL REPORT.—Not later than 180 days  
8 after the date of the enactment of this Act, the Sec-  
9 retary shall submit to the Committees on Armed  
10 Services of the Senate and House of Representatives  
11 a report on the pilot program under this section.  
12 The report shall include a comprehensive description  
13 of the assessments under subsection (d), as well as  
14 the following:

15 (A) Which installations the Secretary se-  
16 lected for the pilot program under subsection  
17 (a)(2).

18 (B) Why the Secretary selected the instal-  
19 lations described in subparagraph (A).

20 (C) Names of the installations the Sec-  
21 retary selected as comparison installations  
22 under subsection (d)(2).

23 (D) How the pilot program is carried out,  
24 including strategy and metrics for evaluating  
25 effectiveness of the pilot program.

1           (2) FINAL REPORT.—Not later than 180 days  
2 after the termination of the pilot program, the Sec-  
3 retary shall submit to the committees specified in  
4 paragraph (1) a final report on the pilot program.

5 The report shall include the following:

6           (A) A comprehensive description of, and  
7 findings of, the assessments under subsection  
8 (d).

9           (B) A comprehensive description and as-  
10 sessment of the pilot.

11           (C) Such recommendations for legislative  
12 or administrative action the Secretary deter-  
13 mines appropriate, including whether to—

14           (i) extend the term of the pilot pro-  
15 gram;

16           (ii) expand the pilot program to addi-  
17 tional installations; or

18           (iii) make the pilot program perma-  
19 nent.

20           (f) DEPARTMENTAL IMPLEMENTATION.—If the Sec-  
21 retary determines that any element of the pilot program  
22 is effective, the Secretary shall implement such element  
23 permanently for the Department of Defense.

24           (g) DEFINITIONS.—In this section:

1           (1) The term “covered household” means a  
2 household that—

3           (A) contains an eligible covered bene-  
4 ficiary; and

5           (B) is located at a location selected by the  
6 Secretary for the pilot program.

7           (2) The term “eligible covered beneficiary”  
8 means a covered beneficiary (as that term is defined  
9 in section 1072 of title 10, United States Code) who  
10 obtains prenatal or obstetrical care in a military  
11 medical treatment facility in connection with a birth  
12 covered by the pilot program.

13           (3) With respect to a military installation, the  
14 term “community” means the catchment area for  
15 community services of the installation, including  
16 services provided on the installation by the Secretary  
17 and services provided by State, county, and local ju-  
18 risdictions in which the installation is located, or in  
19 the vicinity of the installation.

20 **SEC. 579. ASSESSMENT AND REPORT ON SMALL BUSINESS**  
21 **ACTIVITIES OF MILITARY SPOUSES ON MILI-**  
22 **TARY INSTALLATIONS IN THE UNITED**  
23 **STATES.**

24           (a) **ASSESSMENT REQUIRED.**—The Secretary of De-  
25 fense shall conduct an assessment of the feasibility and

1 advisability of permitting military spouses to engage in  
2 small business activities on military installations in the  
3 United States and in partnership with commissaries, ex-  
4 change stores, and other morale, welfare, and recreation  
5 facilities of the Armed Forces in the United States.

6 (b) ELEMENTS.—The assessment required under  
7 subsection (a) shall—

8 (1) take into account the usage by military  
9 spouses of installation facilities, utilities, and other  
10 resources in the conduct of small business activities  
11 on military installations in the United States and  
12 such other matters in connection with the conduct of  
13 such business activities by military spouses as the  
14 Secretary considers appropriate; and

15 (2) seek to identify mechanisms to ensure that  
16 costs and fees associated with the usage by military  
17 spouses of such facilities, utilities, and other re-  
18 sources in connection with such business activities  
19 does not meaningfully curtail or eliminate the oppor-  
20 tunity for military spouses to profit reasonably from  
21 such business activities.

22 (c) REPORT.—Not later than March 1, 2019, the  
23 Secretary of Defense shall submit to the Committees on  
24 Armed Services of the Senate and the House of Represent-  
25 atives a report that includes the results of the assessment,

1 including the results with respect to each element de-  
2 scribed in subsection (b).

3           **Subtitle I—Decorations and**  
4                           **Awards**

5 **SEC. 581. ATOMIC VETERANS SERVICE CERTIFICATE.**

6           (a) SERVICE CERTIFICATE REQUIRED.—The Sec-  
7 retary of Defense shall design and produce a military serv-  
8 ice certificate, to be known as the “Atomic Veterans Serv-  
9 ice Certificate”, to honor retired and former members of  
10 the Armed Forces who are radiation-exposed veterans (as  
11 such term is defined in section 1112(c)(3) of title 38,  
12 United States Code).

13           (b) DISTRIBUTION OF CERTIFICATE.—

14                   (1) ISSUANCE TO RETIRED AND FORMER MEM-  
15 BERS.—At the request of a radiation-exposed vet-  
16 eran, the Secretary of Defense shall issue the Atom-  
17 ic Veterans Service Certificate to the veteran.

18                   (2) ISSUANCE TO NEXT-OF-KIN.—In the case of  
19 a radiation-exposed veteran who is deceased, the  
20 Secretary may provide for issuance of the Atomic  
21 Veterans Service Certificate to the next-of-kin of the  
22 person.

1 **SEC. 582. AWARD OF MEDALS OR OTHER COMMENDATIONS**  
2 **TO HANDLERS OF MILITARY WORKING DOGS.**

3 (a) PROGRAM OF AWARD REQUIRED.—Each Sec-  
4 retary of a military department shall carry out a program  
5 to provide for the award of one or more medals or other  
6 commendations to handlers of military working dogs  
7 under the jurisdiction of such Secretary to recognize valor  
8 or meritorious achievement by such handlers and dogs.

9 (b) MEDALS AND COMMENDATIONS.—Any medal or  
10 commendation awarded pursuant to a program under sub-  
11 section (a) shall be of such design, and include such ele-  
12 ments, as the Secretary of the military department con-  
13 cerned shall specify. The Secretary concerned may use an  
14 existing award to carry out such program.

15 (c) PRESENTATION AND ACCEPTANCE.—Any medal  
16 or commendation awarded pursuant to a program under  
17 subsection (a) may be presented to and accepted by the  
18 handler concerned on behalf of the handler and the mili-  
19 tary working dog concerned.

20 (d) REGULATIONS.—Medals and commendations  
21 shall be awarded under programs under subsection (a) in  
22 accordance with regulations prescribed by the Secretary  
23 of Defense for purposes of this section.

1 **SEC. 583. AUTHORIZATION FOR AWARD OF DISTINGUISHED-**  
2 **SERVICE CROSS TO JUSTIN T. GALLEGOS FOR**  
3 **ACTS OF VALOR DURING OPERATION ENDUR-**  
4 **ING FREEDOM.**

5 (a) WAIVER OF TIME LIMITATIONS.—Notwith-  
6 standing the time limitations specified in section 3744 of  
7 title 10, United States Code, or any other time limitations  
8 with respect to the awarding of certain medals to persons  
9 who served in the Armed Forces, the Secretary of the  
10 Army may award the Distinguished-Service Cross under  
11 section 3742 of such title to Justin T. Gallegos for the  
12 acts of valor described in subsection (b).

13 (b) ACTS OF VALOR DESCRIBED.—The acts of valor  
14 referred to in subsection (a) are the actions of Justin T.  
15 Gallegos on October 3, 2009, as a member of the Army  
16 in the grade of Staff Sergeant, serving in Afghanistan  
17 with the 61st Cavalry Regiment, 4th Brigade Combat  
18 Team, 4th Infantry Division.

19 **Subtitle J—Miscellaneous Reports**  
20 **and Other Matters**

21 **SEC. 591. ANNUAL DEFENSE MANPOWER REQUIREMENTS**  
22 **REPORT MATTERS.**

23 (a) DATE OF SUBMITTAL.—Subsection (a) of section  
24 115a of title 10, United States Code, is amended in the  
25 matter preceding paragraph (1) by striking “not later

1 than 45 days after the date on which” and inserting “on  
2 the date on which”.

3 (b) SPECIFICATION OF ANTICIPATED OPPORTUNI-  
4 TIES FOR PROMOTION OF COMMISSIONED OFFICERS.—  
5 Subsection (d) of such section is amended by adding the  
6 following new paragraph:

7 “(4) The opportunities for promotion of com-  
8 missioned officers anticipated to be estimated pursu-  
9 ant to section 623(b)(4) of this title for the fiscal  
10 year in which such report is submitted for purposes  
11 of promotion selection boards convened pursuant to  
12 section 611 of this title during such fiscal year.”.

13 **SEC. 592. BURIAL OF UNCLAIMED REMAINS OF INMATES AT**  
14 **THE UNITED STATES DISCIPLINARY BAR-**  
15 **RACKS CEMETERY, FORT LEAVENWORTH,**  
16 **KANSAS.**

17 Section 985 of title 10, United States Code, is  
18 amended—

19 (1) in subsection (b), by striking “A person who  
20 is ineligible” in the matter preceding paragraph (1)  
21 and inserting “Except as provided in subsection (c),  
22 a person who is ineligible”;

23 (2) by redesignating subsection (c) as sub-  
24 section (d); and

1           (3) by inserting after subsection (b) the fol-  
2           lowing new subsection (c):

3           “(c) UNCLAIMED REMAINS OF MILITARY PRIS-  
4           ONERS.—Subsection (b) shall not preclude the burial at  
5           the United States Disciplinary Barracks Cemetery at Fort  
6           Leavenworth, Kansas, of a military prisoner, including a  
7           military prisoner who is a person described in section  
8           2411(b) of title 38, who dies while in custody of a military  
9           department and whose remains are not claimed by the per-  
10          son authorized to direct disposition of the remains or by  
11          other persons legally authorized to dispose of the re-  
12          mains.”.

13       **SEC. 593. STANDARDIZATION OF FREQUENCY OF ACADEMY**  
14                               **VISITS OF THE AIR FORCE ACADEMY BOARD**  
15                               **OF VISITORS WITH ACADEMY VISITS OF**  
16                               **BOARDS OF OTHER MILITARY SERVICE ACAD-**  
17                               **EMIES.**

18          Section 9355 of title 10, United States Code, is  
19          amended by striking subsection (d) and inserting the fol-  
20          lowing new subsection:

21          “(d) The Board shall visit the Academy annually.  
22          With the approval of the Secretary of the Air Force, the  
23          Board or its members may make other visits to the Acad-  
24          emy in connection with the duties of the Board or to con-  
25          sult with the Superintendent of the Academy. Board mem-

1 bers shall have access to the Academy grounds and the  
2 cadets, faculty, staff, and other personnel of the Academy  
3 for the purposes of the duties of the Board.”.

4 **SEC. 594. NATIONAL COMMISSION ON MILITARY, NATIONAL,**  
5 **AND PUBLIC SERVICE MATTERS.**

6 (a) DEFINITIONS.—Section 551(c) of the National  
7 Defense Authorization Act for Fiscal Year 2017 (Public  
8 Law 114–328; 130 Stat. 2130) is amended—

9 (1) in paragraph (1), by inserting after “United  
10 States Code)” the following: “or active status (as  
11 that term is defined in subsection (d)(4) of such sec-  
12 tion)”;

13 (2) in paragraph (2)—

14 (A) by striking “‘national service’” and  
15 inserting “‘public service’”; and

16 (B) by striking “or State Government”  
17 and inserting “, State, Tribal, or local govern-  
18 ment”;

19 (3) in paragraph (3)—

20 (A) by striking “‘public service’” and in-  
21 serting “‘national service’”; and

22 (B) by striking “employment” and insert-  
23 ing “participation”; and

24 (4) by adding at the end the following new  
25 paragraph:

1           “(4) The term ‘establishment date’ means Sep-  
2           tember 19, 2017.”.

3           (b) EXCEPTION TO PAPERWORK REDUCTION ACT.—  
4           Section 555(e) of that Act (130 Stat. 2134) is amended  
5           by adding at the end the following new paragraph:

6           “(4) PAPERWORK REDUCTION ACT.—For pur-  
7           poses of developing its recommendations, the infor-  
8           mation collection of the Commission may be treated  
9           as a pilot project under section 3505(a) of title 44,  
10          United States Code. In addition, the Commission  
11          shall not be subject to the requirements of section  
12          3506(c)(2)(A) of such title.”.

13   **SEC. 595. PUBLIC AVAILABILITY OF TOP-LINE NUMBERS OF**  
14                   **DEPLOYED MEMBERS OF THE ARMED**  
15                   **FORCES.**

16          (a) IN GENERAL.—Except as provided in subsection  
17          (b), the Secretary of Defense shall make publicly available,  
18          on a quarterly basis, on a website of the Department the  
19          top-line numbers of members of the Armed Forces de-  
20          ployed for each country as of the date of the submittal  
21          of the report and the total number of members of the  
22          Armed Forces so deployed during the quarter covered by  
23          the report.

24          (b) WAIVER.—

1           (1) IN GENERAL.—The Secretary may waive  
2           the requirement under subsection (a) in the case of  
3           a sensitive military operation if—

4                   (A) the Secretary determines the public  
5                   disclosure of the number of deployed members  
6                   of the Armed Forces could reasonably be ex-  
7                   pected to provide an operational military advan-  
8                   tage to an adversary; or

9                   (B) members of the Armed Forces are de-  
10                  ployed for a period that does not exceed 30  
11                  days.

12           (2) NOTICE.— If the Secretary issues a waiver  
13           under this subsection, the Secretary shall submit to  
14           the Committees on Armed Services of the Senate  
15           and House of Representatives—

16                   (A) a notice of the waiver; and

17                   (B) the reasons for the determination to  
18                  issue the waiver.

19           (c) SENSITIVE MILITARY OPERATION DEFINED.—  
20           The term “sensitive military operation” has the meaning  
21           given that term in section 130f(d) of title 10, United  
22           States Code.

23   **SEC. 596. REPORT ON GENERAL AND FLAG OFFICER COSTS.**

24           (a) REPORT REQUIRED.—Not later than nine months  
25           after the date of the enactment of this Act, the Secretary

1 of Defense shall submit to the congressional defense com-  
2 mittees a report on general and flag officer costs.

3 (b) ELEMENTS.—The report required under sub-  
4 section (a) shall include cost estimates for direct and indi-  
5 rect costs associated with general and flag officers gen-  
6 erally and for specific positions in accordance with the rec-  
7 ommendations of the report of the Office of the Secretary  
8 of Defense, Office of Cost Assessment and Program Eval-  
9 uation titled “Defining General and Flag Officer Costs”  
10 dated December 2017, including—

11 (1) direct compensation for all general and flag  
12 officers and for specific general and flag officer posi-  
13 tions, using the full cost of manpower model to esti-  
14 mate where possible;

15 (2) personal money allowances for positions  
16 that receive an allowance;

17 (3) deferred compensation and health care costs  
18 for all general and flag officers and for specific gen-  
19 eral and flag officer positions;

20 (4) costs associated with providing security de-  
21 tails for specific general and flag officer positions  
22 that merit continuous security;

23 (5) costs associated with Government and com-  
24 mercial travel for general and flag officers who qual-

1       ify for tier one or two travel, including commercial  
2       travel costs using defense travel system data;

3           (6) general flag officer per diems for specific  
4       positions, based on average travel per diem costs;

5           (7) costs for enlisted and officer aide housing  
6       for general and flag officers generally and for spe-  
7       cific general and flag officer positions, including  
8       basic housing assistance costs for staff;

9           (8) on a case-by-case basis, costs associated  
10      with enlisted and officer aide travel, taking into con-  
11      sideration the cost of data collection;

12          (9) costs associated with additional support  
13      staff for general and flag officers and their travel,  
14      equipment, and per diem costs for all general and  
15      flag officers and specific general and flag officer po-  
16      sitions based on the average numbers per general or  
17      flag officer and estimations using the full cost of  
18      manpower model;

19          (10) costs associated with the upkeep and  
20      maintenance of official residences not captured by  
21      basic housing assistance; and

22          (11) costs associated with training for general  
23      and flag officers generally and specific general and  
24      flag officer positions using estimations from the full  
25      cost of manpower model.

1 **SEC. 597. STUDY ON ACTIVE SERVICE OBLIGATIONS FOR**  
2 **MEDICAL TRAINING WITH OTHER SERVICE**  
3 **OBLIGATIONS FOR EDUCATION OR TRAINING**  
4 **AND HEALTH PROFESSIONAL RECRUITING.**

5 (a) REVIEW.—Not later than 180 days after the date  
6 of the enactment of this Act, the Comptroller General of  
7 the United States shall submit to the Committees on  
8 Armed Services of the Senate and House of Representa-  
9 tives a briefing and report on the effects of consecutive  
10 service on active duty service obligations for medical train-  
11 ing as they relate to other service obligations for education  
12 or training.

13 (b) MATTERS INCLUDED.—The briefing and report  
14 under subsection (a) shall include the following:

15 (1) The extent to which consecutive active duty  
16 service obligations for medical education and train-  
17 ing may affect recruiting and retention of health  
18 professionals in the military health system.

19 (2) The extent to which the military depart-  
20 ments and the Department of Defense use incentive  
21 pay authority to recruit and retain health profes-  
22 sionals.

23 (3) The extent to which the military depart-  
24 ments and the Department of Defense consider geo-  
25 graphic location and competition in the civilian

1 health professional marketplace when developing in-  
2 centive pay and competitive salaries.

3 (4) A comparison of salaries for—

4 (A) military physicians and dentists with  
5 critical medical and dental skills; and

6 (B) civilian physicians and dentists with  
7 comparable skills.

8 (5) The extent to which consecutive service obli-  
9 gations may result in unintended consequences relat-  
10 ing to—

11 (A) general medical officers;

12 (B) residency training;

13 (C) enrollment at the Uniformed Services  
14 University; and

15 (D) other matters related to consecutive  
16 service obligations on medical training.

17 (6) Any other matter the Comptroller General  
18 determines is appropriate.

19 **SEC. 598. CRITERIA FOR INTERMENT AT ARLINGTON NA-**  
20 **TIONAL CEMETERY.**

21 (a) CRITERIA.—The Secretary of the Army, in con-  
22 sultation with the Secretary of Defense, shall prescribe re-  
23 vised criteria for interment at Arlington National Ceme-  
24 tery that preserve Arlington National Cemetery as an ac-  
25 tive burial ground “well into the future,” as that term is

1 used in the report submitted by the Secretary of the Army  
2 to the Committees on Veterans' Affairs and the Commit-  
3 tees on Armed Services of the House of Representatives  
4 and the Senate, dated February 14, 2017, and titled "The  
5 Future of Arlington National Cemetery: Report on the  
6 Cemetery's Interment and Inurnment Capacity 2017".

7 (b) DEADLINE.—The Secretary of the Army shall es-  
8 tablish the criteria under subsection (a) not later than  
9 September 30, 2019.

10 **SEC. 599. LIMITATION ON USE OF FUNDS PENDING SUB-**  
11 **MITTAL OF REPORT ON ARMY MARKETING**  
12 **AND ADVERTISING PROGRAM.**

13 (a) REPORT REQUIRED.—

14 (1) IN GENERAL.—The Secretary of the Army  
15 shall submit to the Committees on Armed Services  
16 of the Senate and House of Representatives a report  
17 on the recommendations contained in the audit con-  
18 ducted by the Army Audit Agency of the Army's  
19 Marketing and Advertising Program concerning con-  
20 tract oversight and return on investment.

21 (2) CONTENTS.—The report required by para-  
22 graph (1) shall address each of the following:

23 (A) The mitigation and oversight measures  
24 implemented to assure improved program re-  
25 turn and contract management including the

1 establishment of specific goals to measure long-  
2 term effects of investments in marketing ef-  
3 forts.

4 (B) The establishment of a review process  
5 to regularly evaluate the effectiveness and effi-  
6 ciency of marketing efforts including efforts to  
7 better support the accessions missions of the  
8 Army.

9 (C) The increase of acquisition and mar-  
10 keting experience within the Army Marketing  
11 and Research Group (hereafter in this section  
12 referred to as the “AMRG”).

13 (D) A workforce analysis of the AMRG in  
14 cooperation with the Office of Personnel Man-  
15 agement and industry experts assessing the  
16 AMRG organizational structure, staffing, and  
17 training, including an assessment of the work-  
18 place climate and culture internal to the  
19 AMRG.

20 (E) The establishment of an Army Mar-  
21 keting and Advisory Board comprised of senior  
22 Army and marketing and advertising leaders  
23 and an assessment of industry and service mar-  
24 keting and advertising best practices, including  
25 a plan to incorporate relevant practices.

1 (F) The status of the implementation of  
2 contracting practices recommended by the  
3 Army Audit Agency's audit of contracting over-  
4 sight of the AMRG contained in Audit Report  
5 A-2018-0033-MTH.

6 (b) LIMITATION ON USE OF FUNDS.—Not more than  
7 60 percent of the amounts authorized to be appropriated  
8 or otherwise made available in this Act for the AMRG for  
9 fiscal year 2019 for advertising and marketing activities  
10 may be obligated or expended until the Secretary of the  
11 Army submits the report required by subsection (a).

12 (c) COMPTROLLER GENERAL REVIEW.—Not later  
13 than 90 days after the date of the submittal of the report  
14 required by subsection (a), the Comptroller General of the  
15 United States shall conduct a review of the results and  
16 implementation of the recommendations of the Army  
17 Audit Agency Audits of the AMRG on contract oversight  
18 and return on investment. Such review shall include an  
19 assessment of the effects of the implementation of the rec-  
20 ommendations on the AMRG leadership, workforce and  
21 business practices, and return on investment.

1 **SEC. 600. PROOF OF PERIOD OF MILITARY SERVICE FOR**  
2 **PURPOSES OF INTEREST RATE LIMITATION**  
3 **UNDER THE SERVICEMEMBERS CIVIL RELIEF**  
4 **ACT.**

5 Section 207(b)(1) of the Servicemembers Civil Relief  
6 Act (50 U.S.C. 3937(b)(1)) is amended to read as follows:

7 “(1) PROOF OF MILITARY SERVICE.—

8 “(A) IN GENERAL.—Not later than 180  
9 days after the date of a servicemember’s termi-  
10 nation or release from military service, in order  
11 for an obligation or liability of the servicemem-  
12 ber to be subject to the interest rate limitation  
13 in subsection (a), the servicemember shall pro-  
14 vide to the creditor written notice and a copy  
15 of—

16 “(i) the military orders calling the  
17 servicemember to military service and any  
18 orders further extending military service;  
19 or

20 “(ii) any other appropriate indicator  
21 of military service, including a certified let-  
22 ter from a commanding officer.

23 “(B) INDEPENDENT VERIFICATION BY  
24 CREDITOR.—

25 “(i) IN GENERAL.—A creditor may  
26 use, in lieu of notice and documentation

1 under subparagraph (A), information re-  
2 trieved from the Defense Manpower Data  
3 Center through the creditor's normal busi-  
4 ness reviews of such Center for purposes of  
5 obtaining information indicating that the  
6 servicemember is on active duty.

7 “(ii) SAFE HARBOR.—A creditor that  
8 uses the information retrieved from the  
9 Defense Manpower Data Center under  
10 clause (i) with respect to a servicemember  
11 has not failed to treat the debt of the serv-  
12 icemember in accordance with subsection  
13 (a) if—

14 “(I) such information indicates  
15 that, on the date the creditor retrieves  
16 such information, the servicemember  
17 is not on active duty; and

18 “(II) the creditor has not, by the  
19 end of the 180-day period under sub-  
20 paragraph (A), received the written  
21 notice and documentation required  
22 under that subparagraph with respect  
23 to the servicemember.”.

# 1 **TITLE VI—COMPENSATION AND**

## 2 **OTHER PERSONNEL BENEFITS**

### Subtitle A—Pay and Allowances

- Sec. 601. Repeal of authority for payment of personal money allowances to Navy officers serving in certain positions.
- Sec. 602. Eligibility of reserve component members for high-deployment allowance for lengthy or numerous deployments and frequent mobilizations.
- Sec. 603. Prohibition on per diem allowance reductions based on the duration of temporary duty assignment or civilian travel.
- Sec. 604. Extension of parking expenses allowance to civilian employees at recruiting facilities.
- Sec. 605. Eligibility of reserve component members for nonreduction in pay while serving in the uniformed services or National Guard.
- Sec. 606. Military Housing Privatization Initiative.

### Subtitle B—Bonuses and Special Incentive Pays

- Sec. 611. One-year extension of certain expiring bonus and special pay authorities.
- Sec. 612. Report on imminent danger pay and hostile fire pay.

### Subtitle C—Other Matters

- Sec. 621. Extension of certain morale, welfare, and recreation privileges to certain veterans and their caregivers.
- Sec. 622. Technical corrections in calculation and publication of special survivor indemnity allowance cost of living adjustments.
- Sec. 623. Authority to award damaged personal protective equipment to members separating from the Armed Forces and veterans as mementos of military service.
- Sec. 624. Space-available travel on Department of Defense aircraft for veterans with service-connected disabilities rated as total.
- Sec. 625. Mandatory increase in insurance coverage under Servicemembers' Group Life Insurance for members deployed to combat theaters of operation.
- Sec. 626. Access to military installations for certain surviving spouses and other next of kin of members of the Armed Forces who die while on active duty or certain reserve duty.
- Sec. 627. Study and report on development of a single defense resale system.

## 1       **Subtitle A—Pay and Allowances**

### 2       **SEC. 601. REPEAL OF AUTHORITY FOR PAYMENT OF PER-** 3                               **SONAL MONEY ALLOWANCES TO NAVY OFFI-** 4                               **CERS SERVING IN CERTAIN POSITIONS.**

5           (a) REPEAL.—Section 414 of title 37, United States  
6 Code, is amended—

7               (1) by striking subsection (b); and

8               (2) by redesignating subsection (c) as sub-  
9 section (b).

10          (b) EFFECTIVE DATE.—The amendments made by  
11 subsection (a) shall take effect on December 31, 2018, and  
12 shall apply with respect to personal money allowances pay-  
13 able under section 414 of title 37, United States Code,  
14 for years beginning after that date.

### 15       **SEC. 602. ELIGIBILITY OF RESERVE COMPONENT MEMBERS** 16                               **FOR HIGH-DEPLOYMENT ALLOWANCE FOR** 17                               **LENGTHY OR NUMEROUS DEPLOYMENTS AND** 18                               **FREQUENT MOBILIZATIONS.**

19          Section 436(a)(2)(C)(ii) of title 37, United States  
20 Code, is amended by inserting “section 12304b of title 10  
21 or” after “under” the first place it appears.

1 **SEC. 603. PROHIBITION ON PER DIEM ALLOWANCE REDUC-**  
2 **TIONS BASED ON THE DURATION OF TEM-**  
3 **PORARY DUTY ASSIGNMENT OR CIVILIAN**  
4 **TRAVEL.**

5 (a) MEMBERS.—Section 474(d)(3) of title 37, United  
6 States Code, is amended by adding at the end the fol-  
7 lowing new sentence: “The Secretary of a military depart-  
8 ment shall not alter the amount of the per diem allowance,  
9 or the maximum amount of reimbursement, for a locality  
10 based on the duration of the temporary duty assignment  
11 in the locality of a member of the armed forces under the  
12 jurisdiction of the Secretary.”.

13 (b) CIVILIAN EMPLOYEES.—Section 5702(a)(2) of  
14 title 5, United States Code, is amended by adding at the  
15 end the following new sentence: “The Secretary of Defense  
16 shall not alter the amount of the per diem allowance, or  
17 the maximum amount of reimbursement, for a locality  
18 based on the duration of the travel in the locality of an  
19 employee of the Department.”.

20 (c) REPEALS.—

21 (1) EXISTING POLICY AND REGULATIONS.—The  
22 policy, and any regulations issued pursuant to such  
23 policy, implemented by the Secretary of Defense on  
24 November 1, 2014, with respect to reductions in per  
25 diem allowances based on duration of temporary

1 duty assignment or civilian travel shall have no force  
2 or effect.

3 (2) ATTEMPTED STATUTORY FIX.—Section 672  
4 of the National Defense Authorization Act for Fiscal  
5 Year 2017 (Public Law 114–328; 37 U.S.C. 474  
6 note; 130 Stat. 2178) is repealed.

7 **SEC. 604. EXTENSION OF PARKING EXPENSES ALLOWANCE**  
8 **TO CIVILIAN EMPLOYEES AT RECRUITING FA-**  
9 **CILITIES.**

10 Section 481i(b)(1) of title 37, United States Code,  
11 is amended by striking “as a recruiter for any” and insert-  
12 ing “at a recruiting facility”.

13 **SEC. 605. ELIGIBILITY OF RESERVE COMPONENT MEMBERS**  
14 **FOR NONREDUCTION IN PAY WHILE SERVING**  
15 **IN THE UNIFORMED SERVICES OR NATIONAL**  
16 **GUARD.**

17 Section 5538(a) of title 5, United States Code, is  
18 amended in the matter preceding paragraph (1) by insert-  
19 ing “section 12304b of title 10 or” after “under”.

20 **SEC. 606. MILITARY HOUSING PRIVATIZATION INITIATIVE.**

21 (a) PAYMENT AUTHORITY.—Each month beginning  
22 on the first month after the date of the enactment of this  
23 Act, the Secretary shall pay a lessor of covered housing  
24 5 percent of the amount calculated under section  
25 403(b)(3)(A)(i) of title 37, United States Code, for the

1 area in which the covered housing exists. Any such pay-  
2 ment shall be in addition to any other payment made by  
3 the Secretary to that lessor.

4 (b) PLAN FOR MHPI HOUSING.—Not later than De-  
5 cember 1, 2018, the Secretary shall submit to the congres-  
6 sional defense committees a long-range plan to develop  
7 measures to consistently address the future sustainment,  
8 recapitalization, and financial condition of MHPI housing.  
9 The plan shall include—

10 (1) efforts to mitigate the losses incurred by  
11 MHPI housing projects because of the reductions to  
12 BAH under section 603 of the National Defense Au-  
13 thorization Act for Fiscal Year 2016 (Public Law  
14 114-92; 37 U.S.C. 403(b)(3)(B)); and

15 (2) a full assessment of the effects of such re-  
16 ductions (in relation to calculations of market rates  
17 for rent and utilities) on the financial condition of  
18 MHPI housing.

19 (c) REPORTING.—The Secretary shall direct the As-  
20 sistant Secretary of Defense for Energy, Installations, and  
21 Environment to take the following steps regarding reports  
22 under section 2884(c) of title 10, United States Code:

23 (1) Provide additional contextual information  
24 on MHPI housing to identify any differences in the

1 calculation of debt coverage ratios and any effect of  
2 such differences on their comparability.

3 (2) Immediately resume issuing such reports on  
4 the financial condition of MHPI housing.

5 (3) Revise Department of Defense guidance on  
6 MHPI housing—

7 (A) to ensure that relevant financial data  
8 (such as debt coverage ratios) in such reports  
9 are consistent and comparable in terms of the  
10 time periods of the data collected;

11 (B) to include a requirement that the sec-  
12 retary of each military department includes  
13 measures of future sustainment into each as-  
14 sessments of MHPI housing projects; and

15 (C) to require the secretary of each mili-  
16 tary department to define risk tolerance regard-  
17 ing the future sustainability of MHPI housing  
18 projects.

19 (4) Report financial information on future  
20 sustainment of each MHPI housing project in such  
21 reports.

22 (5) Provide Department of Defense guidance to  
23 the secretaries of the military departments to—

1 (A) assess the significance of the specific  
2 risks to individual MHPI housing projects from  
3 the reduction in BAH; and

4 (B) identify methods to mitigate such risks  
5 based on their significance.

6 (6) Not later than December 1, 2018, finalize  
7 Department of Defense guidance that clearly de-  
8 fines—

9 (A) the circumstances in which the mili-  
10 tary departments shall provide notification of  
11 housing project changes to the congressional de-  
12 fense committees; and

13 (B) which types of such changes require  
14 prior notification to or prior approval from the  
15 congressional defense committees.

16 (d) DEFINITIONS.—In this section:

17 (1) The term “BAH” means the basic allow-  
18 ance for housing under section 403 of title 37,  
19 United States Code.

20 (2) The term “covered housing” means a unit  
21 of MHPI housing that is leased to a member of a  
22 uniformed service who resides in such unit.

23 (3) The term “MHPI housing” means housing  
24 acquired or constructed under the alternative au-  
25 thority of subchapter IV of chapter 169 of title 10,

1 United States Code (known as the Military Housing  
2 Privatization Initiative) on or before September 30,  
3 2014.

4 **Subtitle B—Bonuses and Special**  
5 **Incentive Pays**

6 **SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING**  
7 **BONUS AND SPECIAL PAY AUTHORITIES.**

8 (a) AUTHORITIES RELATING TO RESERVE  
9 FORCES.—Section 910(g) of title 37, United States Code,  
10 relating to income replacement payments for reserve com-  
11 ponent members experiencing extended and frequent mo-  
12 bilization for active duty service, is amended by striking  
13 “December 31, 2018” and inserting “December 31,  
14 2019”.

15 (b) TITLE 10 AUTHORITIES RELATING TO HEALTH  
16 CARE PROFESSIONALS.—The following sections of title  
17 10, United States Code, are amended by striking “Decem-  
18 ber 31, 2018” and inserting “December 31, 2019”:

19 (1) Section 2130a(a)(1), relating to nurse offi-  
20 cer candidate accession program.

21 (2) Section 16302(d), relating to repayment of  
22 education loans for certain health professionals who  
23 serve in the Selected Reserve.

24 (c) AUTHORITIES RELATING TO NUCLEAR OFFI-  
25 CERS.—Section 333(i) of title 37, United States Code, is

1 amended by striking “December 31, 2018” and inserting  
2 “December 31, 2019”.

3 (d) AUTHORITIES RELATING TO TITLE 37 CONSOLI-  
4 DATED SPECIAL PAY, INCENTIVE PAY, AND BONUS AU-  
5 THORITIES.—The following sections of title 37, United  
6 States Code, are amended by striking “December 31,  
7 2018” and inserting “December 31, 2019”:

8 (1) Section 331(h), relating to general bonus  
9 authority for enlisted members.

10 (2) Section 332(g), relating to general bonus  
11 authority for officers.

12 (3) Section 334(i), relating to special aviation  
13 incentive pay and bonus authorities for officers.

14 (4) Section 335(k), relating to special bonus  
15 and incentive pay authorities for officers in health  
16 professions.

17 (5) Section 336(g), relating to contracting  
18 bonus for cadets and midshipmen enrolled in the  
19 Senior Reserve Officers’ Training Corps.

20 (6) Section 351(h), relating to hazardous duty  
21 pay.

22 (7) Section 352(g), relating to assignment pay  
23 or special duty pay.

24 (8) Section 353(i), relating to skill incentive  
25 pay or proficiency bonus.

1           (9) Section 355(h), relating to retention incen-  
2           tives for members qualified in critical military skills  
3           or assigned to high priority units.

4           (e) **AUTHORITY TO PROVIDE TEMPORARY INCREASE**  
5 **IN RATES OF BASIC ALLOWANCE FOR HOUSING.**—Section  
6 403(b)(7)(E) of title 37, United States Code, is amended  
7 by striking “December 31, 2018” and inserting “Decem-  
8 ber 31, 2019”.

9 **SEC. 612. REPORT ON IMMINENT DANGER PAY AND HOS-**  
10 **TILE FIRE PAY.**

11          (a) **REPORT REQUIRED.**—Not later than March 1,  
12 2019, the Secretary of Defense shall submit to the Com-  
13 mittees on Armed Services of the Senate and the House  
14 of Representatives a report examining the current proc-  
15 esses for awarding imminent danger pay and hostile fire  
16 pay to members of the Armed Forces.

17          (b) **ELEMENTS.**—This report under this section shall  
18 include the following:

19           (1) An analysis of difficulties in implementing  
20           the current system.

21           (2) An explanation of how geographic regions  
22           are selected to be eligible for such pay and the cri-  
23           teria used to define these regions.

1           (3) An examination of whether the current geo-  
2           graphic model is the most appropriate way to award  
3           such pay, including the following:

4                   (A) A discussion of whether the current  
5                   model most accurately reflects the realities of  
6                   modern warfare and is responsive enough to the  
7                   needs of members.

8                   (B) Whether the Secretary believes it  
9                   would be appropriate to tie such pay to specific  
10                  authorizations for deployments (including de-  
11                  ployments of special operations forces) in addi-  
12                  tion to geographic criteria.

13                  (C) A description of any change the Sec-  
14                  retary would consider to update such pay to re-  
15                  flect the current operational environment.

16                  (D) How the Secretary would implement  
17                  each change under subparagraph (C).

18                  (E) Recommendations of the Secretary for  
19                  related regulations or legislative action.

1                   **Subtitle C—Other Matters**

2   **SEC. 621. EXTENSION OF CERTAIN MORALE, WELFARE, AND**  
3                   **RECREATION PRIVILEGES TO CERTAIN VET-**  
4                   **ERANS AND THEIR CAREGIVERS.**

5           (a) **SHORT TITLE.**—This section may be cited as the  
6 “Purple Heart and Disabled Veterans Equal Access Act  
7 of 2018”.

8           (b) **COMMISSARY STORES AND MWR FACILITIES**  
9 **PRIVILEGES FOR CERTAIN VETERANS AND VETERAN**  
10 **CAREGIVERS.**—

11           (1) **EXTENSION OF PRIVILEGES.**—Chapter 54  
12 of title 10, United States Code, is amended by add-  
13 ing at the end the following new section:

14 **“§ 1065. Use of commissary stores and MWR facilities:**  
15                   **certain veterans and caregivers for vet-**  
16                   **erans**

17           “(a) **ELIGIBILITY OF VETERANS AWARDED THE**  
18 **PURPLE HEART.**—A veteran who was awarded the Purple  
19 Heart shall be permitted to use commissary stores and  
20 MWR facilities on the same basis as a member of the  
21 armed forces entitled to retired or retainer pay.

22           “(b) **ELIGIBILITY OF VETERANS WHO ARE MEDAL**  
23 **OF HONOR RECIPIENTS.**—A veteran who is a Medal of  
24 Honor recipient shall be permitted to use commissary

1 stores and MWR facilities on the same basis as a member  
2 of the armed forces entitled to retired or retainer pay.

3 “(c) ELIGIBILITY OF VETERANS WHO ARE FORMER  
4 PRISONERS OF WAR.—A veteran who is a former prisoner  
5 of war shall be permitted to use commissary stores and  
6 MWR facilities on the same basis as a member of the  
7 armed forces entitled to retired or retainer pay.

8 “(d) ELIGIBILITY OF VETERANS WITH SERVICE-  
9 CONNECTED DISABILITIES.—A veteran with a service-  
10 connected disability shall be permitted to use commissary  
11 stores and MWR facilities on the same basis as a member  
12 of the armed forces entitled to retired or retainer pay.

13 “(e) ELIGIBILITY OF CAREGIVERS FOR VETERANS.—  
14 A caregiver or family caregiver shall be permitted to use  
15 commissary stores and MWR facilities on the same basis  
16 as a member of the armed forces entitled to retired or  
17 retainer pay.

18 “(f) USER FEE AUTHORITY.—(1) The Secretary of  
19 Defense shall prescribe regulations that impose a user fee  
20 on individuals who are eligible solely under this section  
21 to purchase merchandise at a commissary store or MWR  
22 retail facility.

23 “(2) The Secretary shall set the user fee under this  
24 subsection at a rate that the Secretary determines will off-  
25 set any increase in expenses arising from this section

1 borne by the Department of the Treasury on behalf of  
2 commissary stores associated with the use of credit or  
3 debit cards for customer purchases, including expenses re-  
4 lated to card network use and related transaction proc-  
5 essing fees.

6 “(3) The Secretary shall deposit funds collected pur-  
7 suant to a user fee under this subsection in the General  
8 Fund of the Treasury.

9 “(4) Any fee under this subsection is in addition to  
10 the uniform surcharge under section 2484(d) of this title.

11 “(g) DEFINITIONS.—In this section:

12 “(1) The term ‘MWR facilities’ includes—

13 “(A) MWR retail facilities, as that term is  
14 defined in section 1063(e) of this title; and

15 “(B) military lodging operated by the De-  
16 partment of Defense for the morale, welfare,  
17 and recreation of members of the armed forces.

18 “(2) The term ‘Medal of Honor recipient’ has  
19 the meaning given that term in section 1074h(e) of  
20 this title.

21 “(3) The terms ‘veteran’, ‘former prisoner of  
22 war’, and ‘service-connected’ have the meanings  
23 given those terms in section 101 of title 38.

1           “(4) The terms ‘caregiver’ and ‘family care-  
2           giver’ have the meanings given those terms in sec-  
3           tion in section 1720G(d) of title 38.”.

4           (2) CLERICAL AMENDMENT.—The table of sec-  
5           tions at the beginning of chapter 54 of title 10,  
6           United States Code, is amended by adding at the  
7           end the following new item:

          “1065. Use of commissary stores and MWR facilities: certain veterans and care-  
          givers for veterans.”.

8           (3) EFFECTIVE DATE.—Section 1065 of title  
9           10, United States Code, as added by paragraph (1),  
10          shall take effect on January 1, 2020.

11          (4) BRIEFING REQUIRED.—Not later than Oc-  
12          tober 1, 2019, the Secretary of Defense shall submit  
13          to the Committees on Armed Services of the Senate  
14          and House of Representatives a briefing on the plan  
15          of the Secretary to implement section 1065 of title  
16          10, United States Code, as added by paragraph (1).

17 **SEC. 622. TECHNICAL CORRECTIONS IN CALCULATION AND**  
18                                   **PUBLICATION OF SPECIAL SURVIVOR INDEM-**  
19                                   **NITY ALLOWANCE COST OF LIVING ADJUST-**  
20                                   **MENTS.**

21          (a) MONTHS FOR WHICH ADJUSTMENT APPLICA-  
22          BLE.—Paragraph (2) of section 1450(m) of title 10,  
23          United States Code, is amended—

1           (1) in subparagraph (I), by striking “Decem-  
2           ber” and inserting “November”; and

3           (2) in subparagraph (J), by striking “for  
4           months during any calendar year after 2018” and  
5           inserting “for months after November 2018”.

6           (b) COST OF LIVING ADJUSTMENT.—Paragraph (6)  
7           of such section is amended—

8           (1) in the paragraph heading, by striking  
9           “**AFTER 2018**” and inserting “**AFTER NOVEMBER**  
10           **2018**”; and

11           (2) by striking subparagraphs (A) and (B) and  
12           inserting the following new subparagraphs:

13                   “(A) **IN GENERAL**.—Whenever retired pay  
14                   is increased for a month under section 1401a of  
15                   this title (or any other provision of law), the  
16                   amount of the allowance payable under para-  
17                   graph (1) for that month shall also be in-  
18                   creased.

19                   “(B) **AMOUNT OF INCREASE**.—With re-  
20                   spect to an eligible survivor of a member of the  
21                   uniformed services, the increase for a month  
22                   shall be—

23                           “(i) the amount payable pursuant to  
24                           paragraph (2) for months during the pre-  
25                           ceding 12-month period; plus

1           “(ii) an amount equal to a percentage  
2           of the amount determined pursuant to  
3           clause (i), which percentage is the percent-  
4           age by which the retired pay of the mem-  
5           ber would have increased for the month, as  
6           described in subparagraph (A), if the mem-  
7           ber was alive (and otherwise entitled to  
8           such pay).

9           “(C) ROUNDING DOWN.—The monthly  
10          amount of an allowance payable under this sub-  
11          section, if not a multiple of \$1, shall be rounded  
12          to the next lower multiple of \$1.

13          “(D) PUBLIC NOTICE ON AMOUNT OF AL-  
14          LOWANCE PAYABLE.—Whenever an increase in  
15          the amount of the allowance payable under  
16          paragraph (1) is made pursuant to this para-  
17          graph, the Secretary of Defense shall publish  
18          the amount of the allowance so payable by rea-  
19          son of such increase, including the months for  
20          which payable.”.

21          (c) EFFECTIVE DATE.—The amendments made by  
22          this section shall take effect on December 1, 2018.

1 **SEC. 623. AUTHORITY TO AWARD DAMAGED PERSONAL**  
2 **PROTECTIVE EQUIPMENT TO MEMBERS SEP-**  
3 **ARATING FROM THE ARMED FORCES AND**  
4 **VETERANS AS MEMENTOS OF MILITARY**  
5 **SERVICE.**

6 (a) IN GENERAL.—Chapter 152 of title 10, United  
7 States Code, is amended by adding at the end the fol-  
8 lowing new section:

9 **“§ 2568a. Damaged personal protective equipment:**  
10 **award to members separating from the**  
11 **Armed Forces and veterans**

12 “(a) IN GENERAL.—The Secretary of a military de-  
13 partment, acting through a disposition service distribution  
14 center of the Defense Logistics Agency, may award to a  
15 covered individual the demilitarized PPE of that covered  
16 individual. The award of PPE under this section shall be  
17 without cost to the covered individual.

18 “(b) DEFINITIONS.—In this section:

19 “(1) The term ‘covered individual’ means—

20 “(A) a member of the armed forces—

21 “(i) under the jurisdiction of the Sec-  
22 retary concerned; and

23 “(ii) who is separating from the  
24 armed forces; or



1           “(4) Subject to subsection (f), veterans with a  
2           permanent service-connected disability rated as  
3           total.”.

4           (b) CONDITIONS AND LIMITATIONS.—Such section is  
5           further amended—

6           (1) by redesignating subsection (f) as sub-  
7           section (g); and

8           (2) by inserting after subsection (e) the fol-  
9           lowing new subsection (f):

10          “(f) VETERANS WITH SERVICE-CONNECTED DIS-  
11          ABILITIES RATED AS TOTAL.—(1) Travel may not be pro-  
12          vided under this section to a veteran eligible for travel pur-  
13          suant to subsection (c)(4) in priority over any member eli-  
14          gible for travel under subsection (c)(1) or any dependent  
15          of such a member eligible for travel under this section.

16          “(2) The authority in subsection (c)(4) may not be  
17          construed as affecting or in any way imposing on the De-  
18          partment of Defense, any armed force, or any commercial  
19          company with which they contract an obligation or expect-  
20          ation that they will retrofit or alter, in any way, military  
21          aircraft or commercial aircraft, or related equipment or  
22          facilities, used or leased by the Department or such armed  
23          force to accommodate passengers provided travel under  
24          such authority on account of disability.

1       “(3) The authority in subsection (c)(4) may not be  
2 construed as preempting the authority of a flight com-  
3 mander to determine who boards the aircraft and any  
4 other matters in connection with safe operation of the air-  
5 craft.”.

6 **SEC. 625. MANDATORY INCREASE IN INSURANCE COV-**  
7 **ERAGE UNDER SERVICEMEMBERS’ GROUP**  
8 **LIFE INSURANCE FOR MEMBERS DEPLOYED**  
9 **TO COMBAT THEATERS OF OPERATION.**

10       Section 1967(a)(3) of title 38, United States Code,  
11 is amended—

12           (1) in subparagraph (A), by striking “subpara-  
13 graphs (B) and (C)” and inserting “subparagraphs  
14 (B), (C), and (D)”; and

15           (2) by adding at the end the following new sub-  
16 paragraph:

17           “(D) In the case of a member who elects under  
18 paragraph (2)(A) not to be insured under this sec-  
19 tion, or who elects under subparagraph (B) to be in-  
20 sured for an amount less than the maximum amount  
21 provided under subparagraph (A), and who is de-  
22 ployed to a combat theater of operations the mem-  
23 ber—

24           “(i) shall be insured under this subchapter  
25       for the maximum amount provided under sub-

1 paragraph (A) for the period of such deploy-  
2 ment; and

3 “(ii) upon the end of such deployment—

4 “(I) shall be insured in the amount  
5 elected by the member under subparagraph  
6 (B); or

7 “(II) shall not be insured, if so elected  
8 under paragraph (2)(A).”.

9 **SEC. 626. ACCESS TO MILITARY INSTALLATIONS FOR CER-**  
10 **TAIN SURVIVING SPOUSES AND OTHER NEXT**  
11 **OF KIN OF MEMBERS OF THE ARMED FORCES**  
12 **WHO DIE WHILE ON ACTIVE DUTY OR CER-**  
13 **TAIN RESERVE DUTY.**

14 (a) PROCEDURES FOR ACCESS OF SURVIVING  
15 SPOUSES REQUIRED.—The Secretary of Defense, acting  
16 jointly with the Secretary of Homeland Security, shall es-  
17 tablish procedures by which an eligible surviving spouse  
18 may obtain unescorted access, as appropriate, to military  
19 installations in order to receive benefits to which the eligi-  
20 ble surviving spouse may be entitled by law or policy.

21 (b) PROCEDURES FOR ACCESS OF NEXT OF KIN AU-  
22 THORIZED.—

23 (1) IN GENERAL.—The Secretary of Defense,  
24 acting jointly with the Secretary of Homeland Secu-  
25 rity, may establish procedures by which the next of

1 kin of a covered member of the Armed Forces, in  
2 addition to an eligible surviving spouse, may obtain  
3 access to military installations for such purposes and  
4 under such conditions as the Secretaries jointly con-  
5 sider appropriate.

6 (2) NEXT OF KIN.—If the Secretaries establish  
7 procedures pursuant to paragraph (1), the Secre-  
8 taries shall jointly specify the individuals who shall  
9 constitute next of kin for purposes of such proce-  
10 dures.

11 (c) CONSIDERATIONS.—Any procedures established  
12 under this section shall—

13 (1) be applied consistently across the Depart-  
14 ment of Defense and the Department of Homeland  
15 Security, including all components of the Depart-  
16 ments;

17 (2) minimize any administrative burden on a  
18 surviving spouse or dependent child, including  
19 through the elimination of any requirement for a  
20 surviving spouse to apply as a personal agent for  
21 continued access to military installations in accom-  
22 paniment of a dependent child;

23 (3) take into account measures required to en-  
24 sure the security of military installations, including

1 purpose and eligibility for access and renewal perio-  
2 dicity; and

3 (4) take into account such other factors as the  
4 Secretary of Defense or the Secretary of Homeland  
5 Security considers appropriate.

6 (d) DEADLINE.—The procedures required by sub-  
7 section (a) shall be established by the date that is not later  
8 than one year after the date of the enactment of this Act.

9 (e) DEFINITIONS.—In this section:

10 (1) The term “eligible surviving spouse” means  
11 an individual who is a surviving spouse of a covered  
12 member of the Armed Forces, without regard to  
13 whether the individual remarries after the death of  
14 the covered member of the Armed Forces.

15 (2) The term “covered member of the Armed  
16 Forces” means a member of the Armed Forces who  
17 dies while serving—

18 (A) on active duty; or

19 (B) on such reserve duty as the Secretary  
20 of Defense and the Secretary of Homeland Se-  
21 curity may jointly specify for purposes of this  
22 section.

1 **SEC. 627. STUDY AND REPORT ON DEVELOPMENT OF A SIN-**  
2 **GLE DEFENSE RESALE SYSTEM.**

3 (a) **STUDY.**—The Secretary of Defense shall conduct  
4 a study to determine the feasibility of consolidating the  
5 military resale entities into a single defense resale system.

6 Such study shall include the following:

7 (1) A financial assessment of consolidation of  
8 the military resale entities.

9 (2) A business case analysis of consolidation of  
10 the military resale entities.

11 (3) Organizational, operational, and business  
12 model integration plans for consolidation of the mili-  
13 tary resale entities.

14 (4) Determinations of which back-office proc-  
15 esses and systems associated with finance and pay-  
16 ment processing technologies the Secretary could  
17 convert to common technologies.

18 (b) **REPORT.**—Not later than January 1, 2019, the  
19 Secretary shall submit a report to the congressional de-  
20 fense committees regarding the study under subsection

21 (a). That report shall contain the following:

22 (1) Details of the internal and external organi-  
23 zational structures of a consolidated defense resale  
24 system.

1           (2) Recommendations of the Secretaries of each  
2 of the military departments regarding the plan to  
3 consolidate the military resale entities.

4           (3) The costs and associated plan for the merg-  
5 er of technologies or implementation of new tech-  
6 nology from a third-party provider to standardize fi-  
7 nancial management and accounting processes of a  
8 consolidated defense resale system.

9           (4) Best practices to maximize reductions in  
10 costs associated with back-office retail payment  
11 processing for a consolidated defense resale system.

12           (5) A timeline for converting the Defense Com-  
13 missary Agency into a non-appropriated fund instru-  
14 mentality under section 2484(j) of title 10, United  
15 States Code.

16           (6) A determination whether the business case  
17 analysis supports consolidation of the military resale  
18 entities.

19           (7) Recommendations of the Secretary for legis-  
20 lation related to consolidation of the military resale  
21 entities.

22           (8) Other elements the Secretary determines  
23 are necessary for a successful evaluation of a con-  
24 solidation of the military resale entities.

1           (c) PROHIBITION ON USE OF FUNDS.—None of the  
2 amounts authorized to be appropriated or otherwise made  
3 available in this Act may be obligated or expended for the  
4 purpose of implementing consolidation of the military re-  
5 sale entities until October 1, 2019.

6           (d) MILITARY RESALE ENTITIES DEFINED.—In this  
7 section the term “military resale entities” means—

- 8                   (1) the Defense Commissary Agency;
- 9                   (2) the Army and Air Force Exchange Service;
- 10                   (3) the Navy Exchange; and
- 11                   (4) the Marine Corps Exchange.

## 12                   **TITLE VII—HEALTH CARE** 13                   **PROVISIONS**

### Subtitle A—TRICARE and Other Health Care Benefits

- Sec. 701. Cessation of requirement for mental health assessment of members after redeployment from a contingency operation upon discharge or release from the Armed Forces.
- Sec. 702. Pilot program on treatment of members of the Armed Forces for post-traumatic stress disorder related to military sexual trauma.

### Subtitle B—Health Care Administration

- Sec. 711. Improvement of administration of the Defense Health Agency and military medical treatment facilities.
- Sec. 712. Organizational framework of the military healthcare system to support the medical requirements of the combatant commands.
- Sec. 713. Administration of TRICARE dental plans through the Federal Employees Dental and Vision Insurance Program.
- Sec. 714. Streamlining of TRICARE Prime beneficiary referral process.
- Sec. 715. Sharing of information with State prescription drug monitoring programs.
- Sec. 716. Pilot program on opioid management in the military health system.
- Sec. 717. Wounded warrior policy review.
- Sec. 718. Medical simulation technology and live tissue training within the Department of Defense.
- Sec. 719. Improvements to trauma center partnerships.
- Sec. 720. Improvement to notification to Congress of hospitalization of combat-wounded members of the Armed Forces.

## Subtitle C—Reports and Other Matters

- Sec. 731. Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund.
- Sec. 732. Joint forces medical capabilities development and standardization.
- Sec. 733. Inclusion of gambling disorder in health assessments of members of the Armed Forces and related research efforts.
- Sec. 734. Report on requirement for certain former members of the Armed Forces to enroll in Medicare Part B to be eligible for TRICARE for Life.
- Sec. 735. Pilot program on earning by special operations forces medics of credit toward a physician assistant degree.
- Sec. 736. Strategic medical research plan.
- Sec. 737. Comptroller General of the United States review of Defense Health Agency oversight of transition between managed care support contractors for the TRICARE program.
- Sec. 738. Comptroller General study on availability of long-term care options for veterans from Department of Veterans Affairs.
- Sec. 739. Increase in number of appointed members of the Henry M. Jackson Foundation for the Advancement of Military Medicine.

1       **Subtitle A—TRICARE and Other**  
2                   **Health Care Benefits**

3       **SEC. 701. CESSATION OF REQUIREMENT FOR MENTAL**  
4                   **HEALTH ASSESSMENT OF MEMBERS AFTER**  
5                   **REDEPLOYMENT FROM A CONTINGENCY OP-**  
6                   **ERATION UPON DISCHARGE OR RELEASE**  
7                   **FROM THE ARMED FORCES.**

8       Section 1074m of title 10, United States Code, is  
9 amended—

- 10               (1) in subsection (a)(1)(C), by striking “Once”  
11               and inserting “Subject to subsection (d), once”; and  
12               (2) in subsection (d), by striking “subsection  
13               (a)(1)(D)” and inserting “subparagraph (C) or (D)  
14               of subsection (a)(1)”.

1 **SEC. 702. PILOT PROGRAM ON TREATMENT OF MEMBERS**  
2 **OF THE ARMED FORCES FOR POST-TRAU-**  
3 **MATIC STRESS DISORDER RELATED TO MILI-**  
4 **TARY SEXUAL TRAUMA.**

5 (a) IN GENERAL.—The Secretary of Defense may  
6 carry out a pilot program to assess the feasibility and ad-  
7 visability of using intensive outpatient programs to treat  
8 members of the Armed Forces suffering from post-trau-  
9 matic stress disorder resulting from military sexual trau-  
10 ma, including treatment for substance abuse, depression,  
11 and other issues related to such conditions.

12 (b) DISCHARGE THROUGH PARTNERSHIPS.—The  
13 pilot program authorized by subsection (a) shall be carried  
14 out through partnerships with public, private, and non-  
15 profit health care organizations, universities, and institu-  
16 tions that—

17 (1) provide health care to members of the  
18 Armed Forces;

19 (2) provide evidence-based treatment for psy-  
20 chological and neurological conditions that are com-  
21 mon among members of the Armed Forces, includ-  
22 ing post-traumatic stress disorder, traumatic brain  
23 injury, substance abuse, and depression;

24 (3) provide health care, support, and other ben-  
25 efits to family members of members of the Armed  
26 Forces; and

1           (4) provide health care under the TRICARE  
2           program (as that term is defined in section 1072 of  
3           title 10, United States Code).

4           (c) PROGRAM ACTIVITIES.—Each organization or in-  
5           stitution that participates in a partnership under the pilot  
6           program authorized by subsection (a) shall—

7           (1) carry out intensive outpatient programs of  
8           short duration to treat members of the Armed  
9           Forces suffering from post-traumatic stress disorder  
10          resulting from military sexual trauma, including  
11          treatment for substance abuse, depression, and other  
12          issues related to such conditions;

13          (2) use evidence-based and evidence-informed  
14          treatment strategies in carrying out such programs;

15          (3) share clinical and outreach best practices  
16          with other organizations and institutions partici-  
17          pating in the pilot program; and

18          (4) annually assess outcomes for members of  
19          the Armed Forces individually and among the orga-  
20          nizations and institutions participating in the pilot  
21          program with respect to the treatment of conditions  
22          described in paragraph (1).

23          (d) EVALUATION METRICS.—Before commencement  
24          of the pilot program, the Secretary shall establish metrics

1 to be used to evaluate the effectiveness of the pilot pro-  
2 gram and the activities under the pilot program.

3 (e) REPORTS.—

4 (1) INITIAL REPORT.—Not later than 180 days  
5 after the date of the enactment of this Act, the Sec-  
6 retary shall submit to the Committees on Armed  
7 Services of the Senate and the House of Representa-  
8 tives a report on the pilot program authorized by  
9 subsection (a). The report shall include a description  
10 of the pilot program and such other matters on the  
11 pilot program as the Secretary considers appro-  
12 priate.

13 (2) FINAL REPORT.—Not later than 180 days  
14 after the cessation of the pilot program under sub-  
15 section (f), the Secretary shall submit to the com-  
16 mittees of Congress referred to in paragraph (1) a  
17 report on the pilot program. The report shall include  
18 the following:

19 (A) A description of the pilot program, in-  
20 cluding the partnerships under the pilot pro-  
21 gram as described in subsection (b).

22 (B) An assessment of the effectiveness of  
23 the pilot program and the activities under the  
24 pilot program.

1           (C) Such recommendations for legislative  
2           or administrative action as the Secretary con-  
3           siders appropriate in light of the pilot program,  
4           including recommendations for extension or  
5           making permanent the authority for the pilot  
6           program.

7           (f) **TERMINATION.**—The Secretary may not carry out  
8           the pilot program authorized by subsection (a) after the  
9           date that is three years after the date of the enactment  
10          of this Act.

## 11                           **Subtitle B—Health Care** 12                           **Administration**

### 13   **SEC. 711. IMPROVEMENT OF ADMINISTRATION OF THE DE-** 14                           **ENSE HEALTH AGENCY AND MILITARY MED-** 15                           **ICAL TREATMENT FACILITIES.**

16          (a) **ADMINISTRATION OF FACILITIES BY DIRECTOR**  
17          **OF DEFENSE HEALTH AGENCY.**—

18           (1) **IN GENERAL.**—Subsection (a) of section  
19          1073c of title 10, United States Code, is amended—

20           (A) in paragraph (1), by striking “Begin-  
21          ning October 1, 2018,” and inserting “In ac-  
22          cordance with paragraph (4), by not later than  
23          September 30, 2021,”;

24           (B) by redesignating paragraphs (2) and  
25          (3) as paragraphs (3) and (5), respectively;

1 (C) by inserting after paragraph (1) the  
2 following new paragraph (2):

3 “(2) In addition to the responsibilities set forth in  
4 paragraph (1), the Director of the Defense Health Agency  
5 shall, commencing when the Director begins to exercise  
6 responsibilities under that paragraph, have the author-  
7 ity—

8 “(A) to direct, control, and serve as the pri-  
9 mary rater of the performance of commanders or di-  
10 rectors of military medical treatment facilities;

11 “(B) to direct and control any intermediary or-  
12 ganizations between the Defense Health Agency and  
13 military medical treatment facilities;

14 “(C) to determine the scope of medical care  
15 provided at each military medical treatment facility  
16 to meet the military personnel readiness require-  
17 ments of the senior military operational commander  
18 of the military installation;

19 “(D) to determine total workforce requirements  
20 at each military medical treatment facility;

21 “(E) to direct joint manning at military medical  
22 treatment facilities and intermediary organizations;

23 “(F) to address personnel staffing shortages at  
24 military medical treatment facilities; and

1           “(G) to select among service nominations for  
2           commanders or directors of military medical treat-  
3           ment facilities.”;

4           (D) by inserting after paragraph (3), as  
5           redesignated by subparagraph (B), the fol-  
6           lowing new paragraph (4):

7           “(4) The Secretary of Defense shall establish a  
8           timeline to ensure that each Secretary of a military de-  
9           partment transitions the administration of military med-  
10          ical treatment facilities from such Secretary to the Direc-  
11          tor of the Defense Health Agency pursuant to paragraph  
12          (1) by the date specified in such paragraph.”; and

13          (E) in paragraph (5), as so redesignated,  
14          by striking “subsection (a)” and inserting  
15          “paragraphs (1) and (2)”.

16          (2) COMBAT SUPPORT RESPONSIBILITIES.—  
17          Subsection (d)(2) of such section is amended by add-  
18          ing at the end the following new subparagraph:

19          “(C) Ensuring that the Defense Health Agency  
20          meets the military medical readiness requirements of  
21          the senior military operational commanders of the  
22          military installations.”.

23          (3) LIMITATION ON CLOSURES AND  
24          DOWNSIZINGS IN CONNECTION WITH TRANSITION OF  
25          ADMINISTRATION.—In carrying out the transition of

1 responsibility for the administration of military med-  
2 ical treatment facilities pursuant to subsection (a) of  
3 section 1073c of title 10, United States Code (as  
4 amended by paragraph (1)), and in addition to any  
5 other applicable requirements under section 1073d  
6 of that title, the Secretary of Defense may not close  
7 any military medical treatment facility, or downsize  
8 any medical center, hospital, or ambulatory care cen-  
9 ter (as specified in section 1073d of that title), that  
10 addresses the medical needs of beneficiaries and the  
11 community in the vicinity of such facility, center,  
12 hospital, or care center until the Secretary submits  
13 to the congressional defense committees a report set-  
14 ting forth the following:

15 (A) A description of the methodology and  
16 criteria to be used by the Secretary to make de-  
17 cisions to close any military medical treatment  
18 facility, or to downsize any medical center, hos-  
19 pital, or ambulatory care center, in connection  
20 with the transition, including input from the  
21 military department concerned.

22 (B) A requirement that no closure of a  
23 military medical treatment facility, or  
24 downsizing of a medical center, hospital, or am-  
25 bulatory care center, in connection with the

1 transition will occur until 90 days after the date  
2 on which Secretary submits to the Committees  
3 on Armed Services of the Senate and the House  
4 of Representatives a report on the closure or  
5 downsizing.

6 (b) ADDITIONAL DEFENSE HEALTH AGENCY ORGA-  
7 NIZATIONS.—

8 (1) IN GENERAL.—Section 1073c of such title  
9 is further amended—

10 (A) by redesignating subsection (e) as sub-  
11 section (f); and

12 (B) by inserting after subsection (d) the  
13 following new subsection (e):

14 “(e) ADDITIONAL DHA ORGANIZATIONS.—Not later  
15 than September 30, 2022, the Secretary of Defense shall,  
16 acting through the Director of the Defense Health Agency,  
17 establish within the Defense Health Agency the following:

18 “(1) A subordinate organization, to be called  
19 the Defense Health Agency Research and Develop-  
20 ment—

21 “(A) led, at the election of the Director, by  
22 a director or commander (to be called the Di-  
23 rector or Commander of Defense Health Agency  
24 Research and Development);

1           “(B) comprised of the Army Medical Re-  
2           search and Materiel Command and such other  
3           medical research organizations and activities of  
4           the armed forces as the Secretary considers ap-  
5           propriate; and

6           “(C) responsible for coordinating funding  
7           for Defense Health Program Research, Devel-  
8           opment, Test, and Evaluation, the Congression-  
9           ally Directed Medical Research Program, and  
10          related Department of Defense medical re-  
11          search.

12          “(2) A subordinate organization, to be called  
13          the Defense Health Agency Public Health—

14                 “(A) led, at the election of the Director, by  
15                 a director or commander (to be called the Di-  
16                 rector or Commander of Defense Health Agency  
17                 Public Health); and

18                 “(B) comprised of the Army Public Health  
19                 Command, the Navy–Marine Corps Public  
20                 Health Command, Air Force public health pro-  
21                 grams, and any other related defense health ac-  
22                 tivities that the Secretary considers appro-  
23                 priate, including overseas laboratories focused  
24                 on preventive medicine, environmental health,  
25                 and similar matters.”.

1           (2) REPORT ON FEASIBILITY OF FURTHER AD-  
2           DITIONAL ORGANIZATION IN DHA.—Not later than  
3           270 days after the date of the enactment of this Act,  
4           the Secretary of Defense shall submit to the Com-  
5           mittees on Armed Services of the Senate and the  
6           House of Representatives a report on a study, con-  
7           ducted by the Secretary for purposes of the report,  
8           of the feasibility of establishing with the Defense  
9           Health Agency a subordinate organization, to be  
10          called the Defense Health Agency Education and  
11          Training, to be led by the President of the Uni-  
12          formed Services University of the Health Sciences  
13          and to be comprised of the current Medical Edu-  
14          cation and Training Campus, the Uniformed Serv-  
15          ices University of the Health Sciences, the medical  
16          education and training commands of the Armed  
17          Forces, and such other elements, facilities, and com-  
18          mands of the Department of Defense as the Sec-  
19          retary considers appropriate.

20          (c) REPORT ON FEASIBILITY OF SUPERSEDING OR-  
21          GANIZATION FOR DHA.—

22               (1) REPORT REQUIRED.—Not later than 270  
23               days after the date of the enactment of this Act, the  
24               Secretary of Defense shall submit to the Committees  
25               on Armed Services of the Senate and the House of

1       Representatives a report on a study, conducted by  
2       the Secretary for purposes of the report, of the fea-  
3       sibility of establishing a command, to be called the  
4       Defense Health Command, as a superseding organi-  
5       zation to the Defense Health Agency.

6               (2) ELEMENTS.—If the Secretary determines in  
7       the report under paragraph (1) that a command as  
8       a superseding organization to the Defense Health  
9       Agency is feasible, the report shall include the fol-  
10      lowing:

11               (A) A description of the required respon-  
12      sibilities of the commander of the command.

13               (B) A description of any current organiza-  
14      tions that support the Defense Health Agency  
15      to be included in the command.

16               (C) A description of any authorities re-  
17      quired for the leadership and direction of the  
18      command.

19               (D) Any other matters in the connection  
20      with the establishment, operations, and activi-  
21      ties of the command that the Secretary con-  
22      siders appropriate.

1 **SEC. 712. ORGANIZATIONAL FRAMEWORK OF THE MILI-**  
2 **TARY HEALTHCARE SYSTEM TO SUPPORT**  
3 **THE MEDICAL REQUIREMENTS OF THE COM-**  
4 **BATANT COMMANDS.**

5 (a) ORGANIZATIONAL FRAMEWORK REQUIRED.—

6 (1) IN GENERAL.—The Secretary of Defense  
7 shall, acting through the Director of the Defense  
8 Health Agency, implement an organizational frame-  
9 work for the military healthcare system that most  
10 effectively implements chapter 55 of title 10, United  
11 States Code, in a manner that maximizes interoper-  
12 ability and fully integrates medical capabilities of the  
13 Armed Forces in order to enhance joint military  
14 medical operations in support of requirements of the  
15 combatant commands.

16 (2) COMPLIANCE WITH CERTAIN REQUIRE-  
17 MENTS.—The organizational framework, as imple-  
18 mented, shall comply with all requirements of sec-  
19 tion 1073e of title 10, United States Code, except  
20 for the implementation date specified in subsection  
21 (a) of such section.

22 (b) DEFENSE HEALTH REGIONS IN CONUS.—The  
23 organizational framework required by subsection (a) shall  
24 meet the requirements as follows:

1           (1) DEFENSE HEALTH REGIONS.—There shall  
2           be not more than two defense health regions in the  
3           continental United States.

4           (2) LEADERS.—Each region under paragraph  
5           (1) shall be led by a commander or director who is  
6           a member of the Armed Forces serving in a grade  
7           not higher than major general or rear admiral, and  
8           who—

9                   (A) shall be selected by the Director of the  
10           Defense Health Agency from among members  
11           of the Armed Forces recommended by the Sec-  
12           retaries of the military departments for service  
13           in such position; and

14                   (B) shall be under the authority, direction,  
15           and control of the Director while serving in  
16           such position.

17           (c) DEFENSE HEALTH REGIONS OCONUS.—The or-  
18           ganizational framework required by subsection (a) shall  
19           provide for the establishment of not more than two defense  
20           health regions outside the continental United States in  
21           order—

22                   (1) to enhance joint military medical operations  
23           in support of the requirements of the combatant  
24           commands in such region or regions, with a specific

1 focus on current and future contingency and oper-  
2 ational plans;

3 (2) to ensure the provision of high-quality  
4 healthcare services to beneficiaries; and

5 (3) to improve the interoperability of healthcare  
6 delivery systems in the defense health regions  
7 (whether under this subsection, subsection (b), or  
8 both).

9 (d) PLANNING AND COORDINATION.—

10 (1) SUSTAINMENT OF CLINICAL COMPETENCIES  
11 AND STAFFING.—The Director of the Defense  
12 Health Agency shall—

13 (A) provide in each defense health region  
14 under this section healthcare delivery venues for  
15 uniformed medical and dental personnel to ob-  
16 tain operational clinical competencies; and

17 (B) coordinate with the military depart-  
18 ments to ensure that staffing at military med-  
19 ical treatment facilities in each region supports  
20 readiness requirements for members of the  
21 Armed Forces and military medical personnel.

22 (2) OVERSIGHT AND ALLOCATION OF RE-  
23 SOURCES.—

24 (A) IN GENERAL.—The Director shall,  
25 consistent with section 193 of title 10, United

1 States Code, coordinate with the Chairman of  
2 the Joint Chiefs of Staff, through the Joint  
3 Staff Surgeon, to conduct oversight and direct  
4 resources to support requirements related to  
5 readiness and operational medicine support that  
6 are validated by the Joint Staff.

7 (B) SUPPLY AND DEMAND FOR MEDICAL  
8 SERVICES.—Based on operational medical force  
9 readiness requirements of the combatant com-  
10 mands validated by the Joint Staff, the Direc-  
11 tor shall—

12 (i) validate supply and demand re-  
13 quirements for medical and dental services  
14 at each military medical treatment facility;

15 (ii) in coordination with the Surgeons  
16 General of the Armed Forces, provide cur-  
17 rency workload for uniformed medical and  
18 dental personnel at each such facility to  
19 maintain skills proficiency; and

20 (iii) if workload is insufficient to meet  
21 requirements, identify alternative training  
22 and clinical practice sites for uniformed  
23 medical and dental personnel, and estab-  
24 lish military-civilian training partnerships,  
25 to provide such workload.

1 (e) ADDITIONAL DUTIES OF SURGEONS GENERAL OF  
2 THE ARMED FORCES.—

3 (1) IN GENERAL.—The Surgeons General of the  
4 Armed Forces shall have the duties as follows:

5 (A) To assign uniformed medical and den-  
6 tal personnel of the military department con-  
7 cerned to military medical treatment facilities  
8 for training activities specific to such military  
9 department and for operational and training  
10 missions, during which assignment such per-  
11 sonnel shall be under the operational control of  
12 the commander or director of the military med-  
13 ical treatment facility concerned, subject to the  
14 authority, direction, and control of the Director  
15 of the Defense Health Agency.

16 (B) To ensure the readiness for oper-  
17 ational deployment of medical and dental per-  
18 sonnel and deployable medical or dental teams  
19 or units of the Armed Force or Armed Forces  
20 concerned.

21 (C) To provide logistical support for oper-  
22 ational deployment of medical and dental per-  
23 sonnel and deployable medical or dental teams  
24 or units of the Armed Force or Armed Forces  
25 concerned.

1 (D) To oversee mobilization and demobili-  
2 zation in connection with the operational de-  
3 ployment of medical and dental personnel of the  
4 Armed Force or Armed Forces concerned.

5 (E) To carry out operational medical and  
6 dental force development for the military de-  
7 partment concerned.

8 (F) In coordination with the Secretary con-  
9 cerned, to ensure that the operational medical  
10 force readiness organizations of the Armed  
11 Forces support the medical and dental readi-  
12 ness responsibilities of the Director.

13 (G) To develop operational medical capa-  
14 bilities required to support the warfighter, and  
15 to develop policy relating to such capabilities.

16 (H) To provide health professionals to  
17 serve in leadership positions across the military  
18 healthcare system.

19 (2) MEDICAL FORCE REQUIREMENTS OF THE  
20 COMBATANT COMMANDS.—The Surgeon General of  
21 each Armed Force shall, on behalf of the Secretary  
22 concerned, ensure that the uniformed medical and  
23 dental personnel serving in such Armed Force re-  
24 ceive training and clinical practice opportunities nec-  
25 essary to ensure that such personnel are capable of

1 meeting the operational medical force requirements  
2 of the combatant commands applicable to such per-  
3 sonnel. Such training and practice opportunities  
4 shall be provided through programs and activities of  
5 the Defense Health Agency and by such other mech-  
6 anisms as the Secretary of Defense shall designate  
7 for purposes of this paragraph.

8 (3) CONSTRUCTION OF DUTIES.—The duties of  
9 a Surgeon General of the Armed Forces under this  
10 subsection are in addition to the duties of such Sur-  
11 geon General under section 3036, 5137, or 8036 of  
12 title 10, United States Code, as applicable.

13 (f) REPORT.—Not later than 270 days after the date  
14 of the enactment of this Act, the Secretary of Defense  
15 shall submit to the Committees on Armed Services of the  
16 Senate and the House of Representatives a report that  
17 sets forth the following:

18 (1) A description of the organizational structure  
19 of the office of each Surgeon General of the Armed  
20 Forces, and of any subordinate organizations of the  
21 Armed Forces that will support the functions and  
22 responsibilities of a Surgeon General of the Armed  
23 Forces.

24 (2) The manning documents for staffing in sup-  
25 port of the organizational structures described pur-

1       suant to paragraph (1), including manning levels be-  
2       fore and after such organizational structures are im-  
3       plemented.

4               (3) Such recommendations for legislative or ad-  
5       ministrative action as the Secretary considers appro-  
6       priate in connection with the implementation of such  
7       organizational structures and, in particular, to avoid  
8       duplication of functions and tasks between the orga-  
9       nizations in such organizational structures and the  
10      Defense Health Agency.

11 **SEC. 713. ADMINISTRATION OF TRICARE DENTAL PLANS**  
12                               **THROUGH THE FEDERAL EMPLOYEES DEN-**  
13                               **TAL AND VISION INSURANCE PROGRAM.**

14       (a) ELIGIBILITY OF ADDITIONAL BENEFICIARIES  
15 UNDER FEDERAL EMPLOYEES DENTAL AND VISION IN-  
16 SURANCE PROGRAM.—Section 8951(8) of title 5, United  
17 States Code, is amended by striking “1076c” and insert-  
18 ing “1076a or 1076c”.

19       (b) ADMINISTRATION OF TRICARE DENTAL  
20 PLANS.—Subsection (b) of section 1076a of title 10,  
21 United States Code, is amended to read as follows:

22               “(b) ADMINISTRATION OF PLANS.—The plans estab-  
23 lished under this section shall be administered by the Sec-  
24 retary of Defense through an agreement with the Director  
25 of the Office of Personnel Management to allow persons

1 described in subsection (a) to enroll in an insurance plan  
2 under chapter 89A of title 5, in accordance with terms  
3 prescribed by the Secretary, including terms, to the extent  
4 practical, as defined by the Director through regulation,  
5 consistent with subsection (d) and, to the extent prac-  
6 ticable in relation to such chapter 89A, other provisions  
7 of this section.”.

8 (c) APPLICABILITY.—The amendments made by this  
9 section shall apply with respect to the first contract year  
10 for chapter 89A of title 5, United States Code, that begins  
11 on or after January 1, 2022.

12 (d) TRANSITION.—To ensure a successful transition  
13 pursuant to the amendments made by this section in the  
14 administration of the TRICARE dental plans under sec-  
15 tion 1076a of title 10, United States Code, the Secretary  
16 of Defense shall ensure that the contractor for such plans  
17 provides claims information under such plans to carriers  
18 providing dental coverage under chapter 89A of title 5,  
19 United States Code, after the transition.

20 (e) REPORT.—

21 (1) IN GENERAL.—Not later than January 1,  
22 2020, the Secretary of Defense shall submit to the  
23 Committees on Armed Services of the Senate and  
24 the House of Representatives a report on the transi-  
25 tion in the administration of the TRICARE dental

1 insurance plan for retirees from administration by  
2 the Department of Defense as the TRICARE Re-  
3 tiree Dental Plan to administration by the Office of  
4 Personnel Management as part of the Federal Em-  
5 ployees Dental and Vision Insurance Program.

6 (2) ELEMENTS.—The report required by para-  
7 graph (1) shall include the following:

8 (A) A description of lessons learned from  
9 the transition of the administration of the  
10 TRICARE dental insurance plan for retirees  
11 from administration by the Department as the  
12 TRICARE Retiree Dental Plan to administra-  
13 tion by the Office of Personnel Management as  
14 part of the Federal Employees Dental and Vi-  
15 sion Insurance Program.

16 (B) An assessment of the effectiveness of  
17 the transition.

18 (C) A timeline for the implementation plan  
19 for the transition of the administration of the  
20 TRICARE dental plans under section 1076a of  
21 title 10, United States Code, to administration  
22 as part of the Federal Employees Dental and  
23 Vision Insurance Program pursuant to the  
24 amendments made by this section.

1 **SEC. 714. STREAMLINING OF TRICARE PRIME BENEFICIARY**  
2 **REFERRAL PROCESS.**

3 (a) IN GENERAL.—The Secretary of Defense shall  
4 streamline the process under section 1095f of title 10,  
5 United States Code, by which beneficiaries enrolled in  
6 TRICARE Prime are referred to the civilian provider net-  
7 work for inpatient or outpatient care under the TRICARE  
8 program.

9 (b) OBJECTIVES.—In carrying out the requirement in  
10 subsection (a), the Secretary shall meet the following ob-  
11 jectives:

12 (1) The referral process shall model best indus-  
13 try practices for referrals from primary care man-  
14 agers to specialty care providers.

15 (2) The process shall limit administrative re-  
16 quirements for enrolled beneficiaries.

17 (3) Beneficiary preferences for communications  
18 relating to appointment referrals using state-of-the-  
19 art information technology shall be used to expedite  
20 the process.

21 (4) There shall be effective and efficient proc-  
22 esses to determine the availability of appointments  
23 at military medical treatment facilities and, when  
24 unavailable, to make prompt referrals to network  
25 providers under the TRICARE program.

1 (c) DEADLINE FOR IMPLEMENTATION.—The require-  
2 ment in subsection (a) shall be implemented for referrals  
3 under TRICARE Prime in calendar year 2019.

4 (d) EVALUATION AND IMPROVEMENT.—After 2019,  
5 the Secretary shall—

6 (1) evaluate the referral process described in  
7 subsection (a) not less often than annually; and

8 (2) make appropriate improvements to the proc-  
9 ess in light of such evaluations.

10 (e) DEFINITIONS.—In this section, the terms  
11 “TRICARE program” and “TRICARE Prime” have the  
12 meaning given such terms in section 1072 of title 10,  
13 United States Code.

14 **SEC. 715. SHARING OF INFORMATION WITH STATE PRE-**  
15 **SCRIPTION DRUG MONITORING PROGRAMS.**

16 (a) IN GENERAL.—Section 1074g of title 10, United  
17 States Code, is amended—

18 (1) by redesignating subsections (g) and (h) as  
19 subsections (h) and (i), respectively; and

20 (2) by inserting after subsection (f) the fol-  
21 lowing new subsection (g):

22 “(g) SHARING OF INFORMATION WITH STATE PRE-  
23 SCRIPTON DRUG MONITORING PROGRAMS.—(1) The Sec-  
24 retary of Defense shall establish and maintain a program  
25 (to be known as the ‘Military Health System Prescription

1 Drug Monitoring Program’) in accordance with this sub-  
2 section. The program shall include a special emphasis on  
3 drugs provided through facilities of the uniformed services.

4 “(2) The program shall be—

5 “(A) comparable to prescription drug moni-  
6 toring programs operated by States, including such  
7 programs approved by the Secretary of Health and  
8 Human Services under section 3990 of the Public  
9 Health Service Act (42 U.S.C. 280g-3); and

10 “(B) applicable to designated controlled sub-  
11 stance prescriptions under the pharmacy benefits  
12 program.

13 “(3)(A) The Secretary shall establish appropriate  
14 procedures for the bi-directional sharing of patient-specific  
15 information regarding prescriptions for designated con-  
16 trolled substances between the program and State pre-  
17 scription drug monitoring programs.

18 “(B) The purpose of sharing of information under  
19 this paragraph shall be to prevent misuse and diversion  
20 of opioid medications and other designated controlled sub-  
21 stances.

22 “(C) Any disclosure of patient-specific information by  
23 the Secretary under this paragraph is an authorized dis-  
24 closure for purposes of the health information privacy reg-  
25 ulations promulgated under the Health Insurance Port-

1 ability and Accountability Act of 1996 (Public Law 104–  
2 191).

3 “(4)(A) Any procedures developed pursuant to para-  
4 graph (3)(A) shall include appropriate safeguards, as de-  
5 termined by the Secretary, concerning cyber security of  
6 Department of Defense systems and operational security  
7 of Department personnel.

8 “(B) To the extent the Secretary considers appro-  
9 priate, the program may be treated as comparable to a  
10 State program for purposes of bi-directional sharing of  
11 controlled substance prescription information.

12 “(5) For purposes of this subsection, any reference  
13 to a program operated by a State includes any program  
14 operated by a county, municipality, or other subdivision  
15 within that State.”.

16 (b) CONFORMING AMENDMENT.—Section 1079(q) of  
17 such title is amended by striking “section 1074g(g)” and  
18 inserting “section 1074g(h)”.

19 **SEC. 716. PILOT PROGRAM ON OPIOID MANAGEMENT IN**  
20 **THE MILITARY HEALTH SYSTEM.**

21 (a) PILOT PROGRAM.—

22 (1) IN GENERAL.—Beginning not later than  
23 180 days after the date of the enactment of this Act,  
24 the Director of the Defense Health Agency shall im-  
25 plement a comprehensive pilot program to assess the

1 feasibility and advisability of mechanisms to mini-  
2 mize early exposure of beneficiaries under the  
3 TRICARE program to opioids and to prevent the  
4 progression of beneficiaries to misuse or abuse of  
5 opioid medications.

6 (2) OPIOID SAFETY ACROSS CONTINUUM OF  
7 CARE.—The pilot program shall include elements to  
8 maximize opioid safety across the entire continuum  
9 of care consisting of patient, physician or dentist,  
10 and pharmacist.

11 (b) ELEMENTS OF PILOT PROGRAM.—The pilot pro-  
12 gram shall include the following:

13 (1) Identification of potential misuse or abuse  
14 of opioid medications in pharmacies of military  
15 treatment facilities, retail network pharmacies, and  
16 the home delivery pharmacy, and the transmission of  
17 alerts regarding such potential misuse or abuse of  
18 opioids to prescribing physicians and dentists.

19 (2) Direct engagement with, education for, and  
20 management of beneficiaries under the TRICARE  
21 program to help such beneficiaries avoid misuse or  
22 abuse of opioid medications.

23 (3) Proactive outreach by specialist pharmacists  
24 to beneficiaries under the TRICARE program when

1 identifying potential misuse or abuse of opioid medi-  
2 cations.

3 (4) Monitoring of beneficiaries under the  
4 TRICARE program through the use of predictive  
5 analytics to identify the potential for opioid abuse  
6 and addiction before beneficiaries begin an opioid  
7 prescription.

8 (5) Detection of fraud, waste, and abuse in con-  
9 nection with opioids.

10 (c) DURATION.—

11 (1) IN GENERAL.—Except as provided in para-  
12 graph (2), the Director shall carry out the pilot pro-  
13 gram for a period of not more than three years.

14 (2) EXPANSION.—The Director may carry out  
15 the pilot program on a permanent basis if the Direc-  
16 tor determines that the mechanisms under the pilot  
17 program successfully reduce early opioid exposure in  
18 beneficiaries under the TRICARE program and pre-  
19 vent the progression of beneficiaries to misuse or  
20 abuse of opioid medications.

21 (d) REPORT.—

22 (1) IN GENERAL.—Not later than 180 days be-  
23 fore completion of the pilot program, the Secretary  
24 of Defense shall submit to the Committees on Armed

1 Services of the Senate and the House of Representa-  
2 tives a report on the pilot program.

3 (2) ELEMENTS.—The report required by para-  
4 graph (1) shall include the following:

5 (A) A description of the pilot program, in-  
6 cluding outcome measures developed to deter-  
7 mine the overall effectiveness of the mecha-  
8 nisms under the pilot program.

9 (B) A description of the ability of the  
10 mechanisms under the pilot program to identify  
11 misuse and abuse of opioid medications among  
12 beneficiaries under the TRICARE program in  
13 each pharmacy venue of the pharmacy program  
14 of the military health system.

15 (C) A description of the impact of the use  
16 of predictive analytics to monitor beneficiaries  
17 under the TRICARE program in order to iden-  
18 tify the potential for opioid abuse and addiction  
19 before beneficiaries begin an opioid prescription.

20 (D) A description of any reduction in the  
21 misuse or abuse of opioid medications among  
22 beneficiaries under the TRICARE program as a  
23 result of the pilot program.

1 (e) TRICARE PROGRAM DEFINED.—In this section,  
2 the term “TRICARE program” has the meaning given  
3 that term in section 1072 of title 10, United States Code.

4 **SEC. 717. WOUNDED WARRIOR POLICY REVIEW.**

5 (a) IN GENERAL.—Not later than 180 days after the  
6 date of the enactment of this Act, the Secretary of Defense  
7 shall review and update policies and procedures relating  
8 to the care and management of recovering service mem-  
9 bers. In conducting such review, the Secretary shall con-  
10 sider best practices—

11 (1) in the care of recovering service members;

12 (2) in the administrative management relating  
13 to such care;

14 (3) to carry out applicable provisions of Federal  
15 law; and

16 (4) recommended by the Comptroller General of  
17 the United States in the report titled “Army Needs  
18 to Improve Oversight of Warrior Transition Units”.

19 (b) SCOPE OF POLICY.—In carrying out subsection  
20 (a), the Secretary shall update policies of the Department  
21 of Defense with respect to each of the following:

22 (1) The case management coordination of mem-  
23 bers of the Armed Forces between the military de-  
24 partments and the military medical treatment facili-  
25 ties administered by the Director of the Defense

1 Health Agency pursuant to section 1073c of title 10,  
2 United States Code, including with respect to the co-  
3 ordination of—

4 (A) appointments;

5 (B) rehabilitative services;

6 (C) recuperation in an outpatient status;

7 (D) contract care provided by a private  
8 health care provider outside of a military med-  
9 ical treatment facility;

10 (E) the disability evaluation system; and

11 (F) other administrative functions relating  
12 to the military department.

13 (2) The transition of a member of the Armed  
14 Forces who is retired under chapter 61 of title 10,  
15 United States Code, from receiving treatment fur-  
16 nished by the Secretary of Defense to treatment fur-  
17 nished by the Secretary of Veterans Affairs.

18 (3) Facility standards related to lodging and  
19 accommodations for recovering service members and  
20 the family members and non-medical attendants of  
21 recovering service members.

22 (c) REPORT.—Not later than one year after the date  
23 of the enactment of this Act, the Secretary of Defense and  
24 Secretaries of the military departments shall jointly sub-  
25 mit to the Committees on Armed Services of the Senate

1 and the House of Representatives a report on the review  
2 conducted under subsection (a), including a description of  
3 the policies updated pursuant to subsection (b).

4 (d) DEFINITIONS.—In this section, the terms “dis-  
5 ability evaluation system”, “outpatient status”, and “re-  
6 covering service members” have the meaning given those  
7 terms in section 1602 of the Wounded Warrior Act (title  
8 XVI of Public Law 110–181; 10 U.S.C. 1071 note).

9 **SEC. 718. MEDICAL SIMULATION TECHNOLOGY AND LIVE**  
10 **TISSUE TRAINING WITHIN THE DEPARTMENT**  
11 **OF DEFENSE.**

12 (a) IN GENERAL.—

13 (1) USE OF SIMULATION TECHNOLOGY.—Ex-  
14 cept as provided by paragraph (2), the Secretary of  
15 Defense shall use medical simulation technology, to  
16 the maximum extent practicable, before the use of  
17 live tissue training to train medical professionals and  
18 combat medics of the Department of Defense.

19 (2) DETERMINATION.—The use of live tissue  
20 training within the Department of Defense may be  
21 used as determined necessary by the medical chain  
22 of command.

23 (b) BRIEFING.—Not later than 180 days after the  
24 date of the enactment of this Act, the Secretary of De-  
25 fense, in consultation with the Chairman of the Joint

1 Chiefs of Staff and the Secretaries of the military depart-  
2 ments, shall provide a briefing to the Committees on  
3 Armed Services of the House of Representatives and the  
4 Senate on the use and benefit of medical simulation tech-  
5 nology and live tissue training within the Department of  
6 Defense to train medical professionals, combat medics,  
7 and members of the Special Operations Forces.

8 (c) ELEMENTS.—The briefing under subsection (b)  
9 shall include the following:

10 (1) A discussion of the benefits and needs of  
11 both medical simulation technology and live tissue  
12 training.

13 (2) Ways and means to enhance and advance  
14 the use of simulation technologies in training.

15 (3) An assessment of current medical simula-  
16 tion technology requirements, gaps, and limitations.

17 (4) An overview of Department of Defense med-  
18 ical training programs, as of the date of the briefing,  
19 that use live tissue training and medical simulation  
20 technologies.

21 (5) Any other matters the Secretary determines  
22 appropriate.

1 **SEC. 719. IMPROVEMENTS TO TRAUMA CENTER PARTNER-**  
2 **SHIPS.**

3 Section 708(c) of the National Defense Authorization  
4 Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C.  
5 1071 note) is amended—

6 (1) in paragraph (1), by striking “large metro-  
7 politan teaching hospitals that have level I civilian”;

8 (2) in paragraph (2)—

9 (A) by striking “with civilian academic  
10 medical centers and large metropolitan teaching  
11 hospitals”; and

12 (B) by striking “the trauma centers of the  
13 medical centers and hospitals” and inserting  
14 “trauma centers”; and

15 (3) in paragraph (3), by striking “large metro-  
16 politan teaching hospitals” and inserting “trauma  
17 centers”.

18 **SEC. 720. IMPROVEMENT TO NOTIFICATION TO CONGRESS**  
19 **OF HOSPITALIZATION OF COMBAT-WOUNDED**  
20 **MEMBERS OF THE ARMED FORCES.**

21 Section 1074l(a) of title 10, United States Code, is  
22 amended by striking “admitted to a military treatment fa-  
23 cility within the United States” and inserting “admitted  
24 to any military medical treatment facility”.

1           **Subtitle C—Reports and Other**  
2                                   **Matters**

3   **SEC. 731. EXTENSION OF AUTHORITY FOR JOINT DEPART-**  
4                   **MENT OF DEFENSE-DEPARTMENT OF VET-**  
5                   **ERANS AFFAIRS MEDICAL FACILITY DEM-**  
6                   **ONSTRATION FUND.**

7           Section 1704(e) of the National Defense Authoriza-  
8   tion Act for Fiscal Year 2010 (Public Law 111–84; 123  
9   Stat. 2573), as most recently amended by section 719 of  
10 the National Defense Authorization Act for Fiscal Year  
11 2018 (Public Law 115–91; 131 Stat. 1440), is further  
12 amended by striking “September 30, 2019” and inserting  
13 “September 30, 2020”.

14   **SEC. 732. JOINT FORCES MEDICAL CAPABILITIES DEVELOP-**  
15                   **MENT AND STANDARDIZATION.**

16           (a) **PROCESS REQUIRED.**—Not later than 180 days  
17 after the date of the enactment of this Act, the Secretary  
18 of Defense shall, in coordination with the Secretaries of  
19 the military departments and the Chairman of the Joint  
20 Chiefs of Staff, develop a process to establish required  
21 joint force medical capabilities for members of the Armed  
22 Forces that meet the operational planning requirements  
23 of the combatant commands.

24           (b) **PROCESS ELEMENTS.**—The process developed  
25 under subsection (a) shall include the following:



1 ment of Defense during the one-year period beginning 180  
2 days after the date of the enactment of this Act.

3 (b) INCLUSION IN CERTAIN SURVEYS.—The Sec-  
4 retary shall incorporate into ongoing research efforts of  
5 the Department questions on gambling disorder, as appro-  
6 priate, including by restoring such questions to the fol-  
7 lowing:

8 (1) The first Health Related Behaviors Survey  
9 of Active Duty Military Personnel conducted after  
10 the date of the enactment of this Act.

11 (2) The first Health Related Behaviors Survey  
12 of Reserve Component Personnel conducted after  
13 that date.

14 (c) REPORTS.—Not later than one year after the date  
15 of the completion of the assessment referred to in sub-  
16 section (a), and of each survey referred to in subsection  
17 (b), as modified pursuant to this section, the Secretary  
18 shall submit to the Committees on Armed Services of the  
19 Senate and the House of Representatives a report on the  
20 findings of the assessment or survey in connection with  
21 the prevalence of gambling disorder among members of  
22 the Armed Forces.

1 **SEC. 734. REPORT ON REQUIREMENT FOR CERTAIN**  
2 **FORMER MEMBERS OF THE ARMED FORCES**  
3 **TO ENROLL IN MEDICARE PART B TO BE ELI-**  
4 **GIBLE FOR TRICARE FOR LIFE.**

5 (a) IN GENERAL.—Not later than one year after the  
6 date of the enactment of this Act, the Secretary of De-  
7 fense, the Secretary of Health and Human Services, and  
8 the Commissioner of Social Security shall jointly submit  
9 to the Committees on Armed Services of the House of  
10 Representatives and the Senate, the Committee on Ways  
11 and Means of the House of Representatives, and the Com-  
12 mittee on Finance of the Senate a report on the findings  
13 of a study, conducted by the Secretaries for purposes of  
14 the report, on the requirement that a covered individual  
15 enroll in the supplementary medical insurance program  
16 under part B of title XVIII of the Social Security Act (42  
17 U.S.C. 1395j et seq.) in order to be eligible for TRICARE  
18 for Life.

19 (b) MATTERS INCLUDED.—The study under sub-  
20 section (a) shall include the following:

21 (1) An analysis of whether the requirement de-  
22 scribed in such subsection affects covered individuals  
23 from returning to work.

24 (2) The number of individuals who—

1 (A) are retired from the Armed Forces  
2 under chapter 61 of title 10, United States  
3 Code;

4 (B) are entitled to hospital insurance bene-  
5 fits under part A of title XVIII of the Social  
6 Security Act pursuant to receiving benefits for  
7 24 months as described in subparagraph (A) or  
8 (C) of section 226(b)(2) of such Act (42 U.S.C.  
9 426(b)(2)); and

10 (C) because of such entitlement, are no  
11 longer enrolled in TRICARE Standard,  
12 TRICARE Prime, TRICARE Extra, or  
13 TRICARE Select.

14 (3) The number of covered individuals who  
15 would potentially enroll in TRICARE for Life but  
16 not enroll in the supplementary medical insurance  
17 program under part B of title XVIII of the Social  
18 Security Act (42 U.S.C. 1395j et seq.) if able.

19 (c) DEFINITIONS.—In this section:

20 (1) The term “covered individual” means an in-  
21 dividual—

22 (A) who is under 65 years of age;

23 (B) who is entitled to hospital insurance  
24 benefits under part A of title XVIII of the So-  
25 cial Security Act pursuant to subparagraph (A)

1 or (C) of section 226(b)(2) of such Act (42  
2 U.S.C. 426(b)(2));

3 (C) whose entitlement to a benefit de-  
4 scribed in subparagraph (A) of such section has  
5 terminated due to performance of substantial  
6 gainful activity; and

7 (D) who is retired under chapter 61 of title  
8 10, United States Code.

9 (2) The terms “TRICARE for Life”,  
10 “TRICARE Extra”, “TRICARE Standard”,  
11 “TRICARE Select”, and “TRICARE Prime” have  
12 the meanings given those terms in section 1072 of  
13 title 10, United States Code.

14 **SEC. 735. PILOT PROGRAM ON EARNING BY SPECIAL OPER-**  
15 **ATIONS FORCES MEDICS OF CREDIT TOWARD**  
16 **A PHYSICIAN ASSISTANT DEGREE.**

17 (a) IN GENERAL.—The Assistant Secretary of De-  
18 fense for Health Affairs may conduct a pilot program to  
19 assess the feasibility and advisability of partnerships be-  
20 tween special operations forces and institutions of higher  
21 education, and health care systems if determined appro-  
22 priate by the Assistant Secretary for purposes of the pilot  
23 program, through which special operations forces medics  
24 earn credit toward the master’s degree of physician assist-

1 ant for military operational work and training performed  
2 by the medics.

3 (b) DURATION.—The Assistant Secretary shall con-  
4 duct the pilot program for a period not to exceed five  
5 years.

6 (c) CLINICAL TRAINING.—Partnerships under sub-  
7 section (a) shall permit medics participating in the pilot  
8 program to conduct clinical training at medical facilities  
9 of the Department of Defense and the civilian sector.

10 (d) EVALUATION.—The evaluation of work and train-  
11 ing performed by medics for which credits are earned  
12 under the pilot program shall comply with civilian clinical  
13 evaluation standards applicable to the awarding of the  
14 master's degree of physician assistant.

15 (e) REPORTS.—

16 (1) INITIAL REPORT.—Not later than 180 days  
17 after the date of the enactment of this Act, the Sec-  
18 retary of Defense shall submit to the Committees on  
19 Armed Services of the Senate and the House of Rep-  
20 resentative a report on the pilot program that shall  
21 include the following:

22 (A) A comprehensive framework for the  
23 military education to be provided to special op-  
24 erations forces medics under the pilot program,  
25 including courses of instruction at institutions

1 of higher education and any health care systems  
2 participating in the pilot program.

3 (B) Metrics to be used to assess the effec-  
4 tiveness of the pilot program.

5 (C) A description of the mechanisms to be  
6 used by the Department, medics, or both to  
7 cover the costs of education received by medics  
8 under the pilot program through institutions of  
9 higher education or health care systems, includ-  
10 ing payment by the Department in return for a  
11 military service commitment, tuition or other  
12 educational assistance by the Department, use  
13 by medics of post-9/11 educational assistance  
14 available through the Department of Veterans  
15 Affairs, and any other mechanisms the Sec-  
16 retary considers appropriate for purposes of the  
17 pilot program.

18 (2) FINAL REPORT.—Not later than 180 days  
19 after completion of the pilot program, the Secretary  
20 shall submit to the committees of Congress referred  
21 to in paragraph (1) a final report on the pilot pro-  
22 gram. The report shall include the following:

23 (A) An evaluation of the pilot program  
24 using the metrics of assessment set forth pursu-  
25 ant to paragraph (1)(B).

1 (B) An assessment of the utility of the  
2 funding mechanisms set forth pursuant to para-  
3 graph (1)(C).

4 (C) An assessment of the effects of the  
5 pilot program on recruitment and retention of  
6 medics for special operations forces.

7 (D) An assessment of the feasibility and  
8 advisability of extending one or more authori-  
9 ties for joint professional military education  
10 under chapter 107 of title 10, United States  
11 Code, to warrant officers or enlisted personnel,  
12 and if the Secretary considers the extension of  
13 any such authorities feasible and advisable, rec-  
14 ommendations for legislative or administrative  
15 action to so extend such authorities.

16 (f) CONSTRUCTION OF AUTHORITIES.—Nothing in  
17 this section may be construed to—

18 (1) authorize an officer or employee of the Fed-  
19 eral Government to create, endorse, or otherwise  
20 incentivize a particular curriculum or degree track;  
21 or

22 (2) require, direct, review, or control a State or  
23 educational institution, or the instructional content,  
24 curriculum, and related activities of a State or edu-  
25 cational institution.

1 **SEC. 736. STRATEGIC MEDICAL RESEARCH PLAN.**

2 (a) PLAN.—Not later than 30 days after the date on  
3 which the budget of the President for fiscal year 2020 is  
4 submitted to Congress pursuant to section 1105 of title  
5 31, United States Code, the Secretary of Defense, in con-  
6 sultation with the Secretaries of the military departments,  
7 shall submit to the congressional defense committees a  
8 comprehensive strategic medical research plan.

9 (b) MATTERS INCLUDED.—The plan under sub-  
10 section (a) shall include the following:

11 (1) A description of all medical research focus  
12 areas of the Department of Defense and a descrip-  
13 tion of the coordination process to ensure the focus  
14 areas are linked to military readiness, joint force re-  
15 quirements, and relevance to individuals eligible for  
16 care at military medical treatment facilities or  
17 through the TRICARE program.

18 (2) A description of the medical research  
19 projects funded under the Defense Health Program  
20 account and the projects under the Congressional  
21 Directed Medical Research Program.

22 (3) A description of the process to ensure syn-  
23 ergy across the military medical research community  
24 in order to address gaps in military medical re-  
25 search, minimize duplication of research, and pro-  
26 mote collaboration within research focus areas.

1           (4) A description of the efforts of the Secretary  
2           to coordinate with other departments and agencies  
3           of the Federal Government to increase awareness of  
4           complementary medical research efforts that are  
5           being carried out through the Federal Government.

6 **SEC. 737. COMPTROLLER GENERAL OF THE UNITED**  
7                           **STATES REVIEW OF DEFENSE HEALTH AGEN-**  
8                           **CY OVERSIGHT OF TRANSITION BETWEEN**  
9                           **MANAGED CARE SUPPORT CONTRACTORS**  
10                          **FOR THE TRICARE PROGRAM.**

11           (a) BRIEFING AND REPORT ON CURRENT TRANSI-  
12           TION.—

13           (1) IN GENERAL.—The Comptroller General of  
14           the United States shall provide to the Committees  
15           on Armed Services of the Senate and the House of  
16           Representatives a briefing and a report on a review  
17           by the Comptroller General of the oversight con-  
18           ducted by the Defense Health Agency with respect  
19           to the current transition between managed care sup-  
20           port contractors for the TRICARE program. The  
21           briefing shall be provided by not later than July 1,  
22           2019.

23           (2) ELEMENTS.—The briefing and report under  
24           paragraph (1) shall each include the following:

1 (A) A description and assessment of the  
2 extent to which the Defense Health Agency pro-  
3 vided guidance and oversight to the outgoing  
4 and incoming managed care support contractors  
5 for the TRICARE program during the transi-  
6 tion described in paragraph (1) and before the  
7 start of health care delivery by the incoming  
8 contractor.

9 (B) A description and assessment of any  
10 issues with health care delivery under the  
11 TRICARE program as a result of or in connec-  
12 tion with the transition, and, with respect to  
13 such issues—

14 (i) the effect, if any, of the guidance  
15 and oversight provided by the Defense  
16 Health Agency during the transition on  
17 such issues; and

18 (ii) the solutions developed by the De-  
19 fense Health Agency for remediating any  
20 deficiencies in managed care support for  
21 the TRICARE program in connection with  
22 such issues.

23 (C) A description and assessment of the  
24 extent to which the Defense Health Agency has  
25 reviewed any lessons learned from past transi-

1           tions between managed care support contractors  
2           for the TRICARE program, and incorporated  
3           such lessons into the transition.

4           (D) A review of the Department of De-  
5           fense briefing provided in accordance with the  
6           provisions of the Report of the Committee on  
7           Armed Services of the House of Representatives  
8           to Accompany H.R. 5515 (115th Congress;  
9           House Report 115–676) on TRICARE Man-  
10          aged Care Support Contractor Reporting.

11         (b) REPORT ON FUTURE TRANSITIONS.—Not later  
12         than 270 days after the completion of any future transi-  
13         tion between managed care support contractors for the  
14         TRICARE program, the Comptroller General shall submit  
15         to the committees of Congress referred to in subsection  
16         (a)(1) a report on a review by the Comptroller General  
17         of the oversight conducted by the Defense Health Agency  
18         with respect to such transition. The report shall include  
19         each description and assessment specified in subpara-  
20         graphs (A) through (C) of subsection (a)(2) with respect  
21         to such transition.

22         (c) TRICARE PROGRAM DEFINED.—In this section,  
23         the term “TRICARE program” has the meaning given  
24         that term in section 1072 of title 10, United States Code.

1 **SEC. 738. COMPTROLLER GENERAL STUDY ON AVAIL-**  
2 **ABILITY OF LONG-TERM CARE OPTIONS FOR**  
3 **VETERANS FROM DEPARTMENT OF VET-**  
4 **ERANS AFFAIRS.**

5 (a) IN GENERAL.—The Comptroller General of the  
6 United States shall conduct a study on the availability of  
7 long-term care options from the Department of Veterans  
8 Affairs for veterans with combat-related disabilities, in-  
9 cluding veterans who served in the Armed Forces after  
10 September 11, 2001.

11 (b) ELEMENTS.—The study required by subsection  
12 (a) shall—

13 (1) determine the potential demand for long-  
14 term care by veterans eligible for health care from  
15 the Department;

16 (2) determine the capacity of the Department  
17 for providing all four levels of long-term care, which  
18 are independent living, assisted living, nursing home  
19 care, and memory care;

20 (3) identify the number of veterans with com-  
21 bat-related disabilities who require a personal care  
22 assistant and which facilities of the Department pro-  
23 vide this service; and

24 (4) examine the value of long-term care benefits  
25 provided by the Department, including personal care  
26 assistant services, to identify the potential elements

1 of a pilot program that affords aging veterans the  
2 choice of receiving long-term care benefits at non-  
3 profit continuing care retirement communities.

4 (c) REPORT.—Not later than January 1, 2020, the  
5 Comptroller General shall submit to the Committee on  
6 Armed Services and the Committee on Veterans’ Affairs  
7 of the Senate and the Committee on Armed Services and  
8 the Committee on Veterans’ Affairs of the House of Rep-  
9 resentatives a report on the study conducted under this  
10 section.

11 **SEC. 739. INCREASE IN NUMBER OF APPOINTED MEMBERS**  
12 **OF THE HENRY M. JACKSON FOUNDATION**  
13 **FOR THE ADVANCEMENT OF MILITARY MEDI-**  
14 **CINE.**

15 Section 178(c)(1)(C) of title 10, United States Code,  
16 is amended by striking “four members” and inserting “six  
17 members”.

18 **TITLE VIII—ACQUISITION POL-**  
19 **ICY, ACQUISITION MANAGE-**  
20 **MENT, AND RELATED MAT-**  
21 **TERS**

Sec. 800. Effective dates; coordination of amendments.

Subtitle A—Streamlining of Defense Acquisition Statutes and Regulations

PART I—CONSOLIDATION OF DEFENSE ACQUISITION STATUTES IN NEW  
PART V OF SUBTITLE A OF TITLE 10, UNITED STATES CODE

Sec. 801. Framework for new part V of subtitle A.

## PART II—REDESIGNATION OF SECTIONS AND CHAPTERS OF SUBTITLES B, C, AND D TO PROVIDE ROOM FOR NEW PART V OF SUBTITLE A

- Sec. 806. Redesignation of sections and chapters of subtitle D of title 10, United States Code—Air Force.
- Sec. 807. Redesignation of sections and chapters of subtitle C of title 10, United States Code—Navy and Marine Corps.
- Sec. 808. Redesignation of sections and chapters of subtitle B of title 10, United States Code—Army.
- Sec. 809. Cross references to redesignated sections and chapters.

## PART III—REPEALS OF CERTAIN PROVISIONS OF DEFENSE ACQUISITION LAW

- Sec. 811. Amendment to and repeal of statutory requirements for certain positions or offices in the Department of Defense.
- Sec. 812. Repeal of certain defense acquisition laws.
- Sec. 813. Repeal of certain Department of Defense reporting requirements.

## Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

- Sec. 816. Modification of limitations on single source task or delivery order contracts.
- Sec. 817. Preliminary cost analysis requirement for exercise of multiyear contract authority.
- Sec. 818. Revision of requirement to submit information on services contracts to Congress.
- Sec. 819. Data collection and inventory for services contracts.
- Sec. 820. Report on clarification of services contracting definitions.
- Sec. 821. Increase in micro-purchase threshold applicable to Department of Defense.
- Sec. 822. Department of Defense contracting dispute matters.
- Sec. 823. Inclusion of best available information regarding past performance of subcontractors and joint venture partners.
- Sec. 824. Subcontracting price and approved purchasing systems.
- Sec. 825. Modification of criteria for waivers of requirement for certified cost and price data.

## Subtitle C—Provisions Relating to Major Defense Acquisition Programs

- Sec. 831. Revisions in authority relating to program cost targets and fielding targets for major defense acquisition programs.
- Sec. 832. Implementation of recommendations of the Independent Study on Consideration of Sustainment in Weapons Systems Life Cycle.
- Sec. 833. Comptroller General assessment of acquisition programs and related initiatives.

## Subtitle D—Provisions Relating to Commercial Items

- Sec. 836. Revision of definition of commercial item for purposes of Federal acquisition statutes.
- Sec. 837. Limitation on applicability to Department of Defense commercial contracts of certain provisions of law.
- Sec. 838. Modifications to procurement through commercial e-commerce portals.

- Sec. 839. Review of Federal acquisition regulations on commercial products, commercial services, and commercially available off-the-shelf items.

Subtitle E—Industrial Base Matters

- Sec. 841. Report on limited sourcing of specific components for Naval vessels.  
Sec. 842. Removal of national interest determination requirements for certain entities.  
Sec. 843. Pilot program to test machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.  
Sec. 844. Limitation on certain procurements application process.  
Sec. 845. Report on defense electronics industrial base.  
Sec. 846. Support for defense manufacturing communities to support the defense industrial base.  
Sec. 847. Limitation on procurement of certain items for T-AO-205 program.

Subtitle F—Small Business Matters

- Sec. 851. Department of Defense small business strategy.  
Sec. 852. Prompt payments of small business contractors.  
Sec. 853. Increased participation in the Small Business Administration microloan program.  
Sec. 854. Amendments to Small Business Innovation Research Program and Small Business Technology Transfer Program.  
Sec. 855. Construction contract administration.  
Sec. 856. Comptroller General study of impact of broadband speed and price on small businesses.  
Sec. 857. Consolidated budget display for the Department of Defense Small Business Innovation Research Program and Small Business Technology Transfer Program.  
Sec. 858. Funding for procurement technical assistance program.  
Sec. 859. Authorization for payment of certain costs relating to procurement technical assistance centers.  
Sec. 860. Commercialization Assistance Pilot Program.  
Sec. 861. Puerto Rico businesses.  
Sec. 862. Opportunities for employee-owned business concerns through Small Business Administration loan programs.

Subtitle G—Provisions Related to Software and Technical Data Matters

- Sec. 865. Validation of proprietary and technical data.  
Sec. 866. Continuation of technical data rights during challenges.  
Sec. 867. Requirement for negotiation of technical data price before sustainment of major weapon systems.  
Sec. 868. Implementation of recommendations of the final report of the Defense Science Board Task Force on the Design and Acquisition of Software for Defense Systems.  
Sec. 869. Implementation of pilot program to use agile or iterative development methods required under section 873 of the National Defense Authorization Act for Fiscal Year 2018.  
Sec. 870. Report on requiring access to digital technical data in future acquisitions of combat, combat service, and combat support systems.

Subtitle H—Other Matters

- Sec. 871. Prohibition on acquisition of sensitive materials from non-allied foreign nations.
- Sec. 872. Extension of prohibition on providing funds to the enemy.
- Sec. 873. Data, policy, and reporting on the use of other transactions.
- Sec. 874. Standardization of formatting and public accessibility of Department of Defense reports to Congress.
- Sec. 875. Promotion of the use of Government-wide and other interagency contracts.
- Sec. 876. Increasing competition at the task order level.
- Sec. 877. Individual acquisition for commercial leasing services.
- Sec. 878. Procurement administrative lead time definition and plan.
- Sec. 879. Briefing on funding of product support strategies.
- Sec. 880. Use of lowest price technically acceptable source selection process.
- Sec. 881. Permanent Supply Chain Risk Management Authority.
- Sec. 882. Review of market research.
- Sec. 883. Establishment of integrated review team on defense acquisition industry-government exchange.
- Sec. 884. Exchange program for acquisition workforce employees.
- Sec. 885. Process to limit foreign access to technology.
- Sec. 886. Procurement of telecommunications supplies for experimental purposes.
- Sec. 887. Access by developmental and operational testing activities to data regarding modeling and simulation activity.
- Sec. 888. Instruction on pilot program regarding employment of persons with disabilities.
- Sec. 889. Prohibition on certain telecommunications and video surveillance services or equipment.
- Sec. 890. Pilot program to accelerate contracting and pricing processes.

1 **SEC. 800. EFFECTIVE DATES; COORDINATION OF AMEND-**  
2 **MENTS.**

3 (a) EFFECTIVE DATES.—

4 (1) PARTS I AND II.—Parts I and II of this  
5 subtitle, and the redesignations and amendments  
6 made by such parts, shall take effect on February  
7 1, 2019.

8 (2) PART III.—Part III of this subtitle shall  
9 take effect on the date of the enactment of this Act.

10 (b) COORDINATION OF AMENDMENTS.—The redес-  
11 ignations and amendments made by part II of this subtitle

1 shall be executed before the amendments made by part  
2 I of this subtitle.

3 (c) **RULE FOR CERTAIN REDESIGNATIONS.**—In the  
4 case of a redesignation specified in part II of this subtitle  
5 (1) that is to be made to a section of subtitle B, C, or  
6 D of title 10, United States Code, for which the current  
7 section designation consists of a four-digit number and a  
8 letter, and (2) that is directed to be made by the addition  
9 of a specified number to the current section designation,  
10 the new section designation shall consist of a new four-  
11 digit number and the same letter, with the new four-digit  
12 number being the number that is the sum of the specified  
13 number and the four-digit number in the current section  
14 designation.

15 **Subtitle A—Streamlining of De-**  
16 **fense Acquisition Statutes and**  
17 **Regulations**

18 **PART I—CONSOLIDATION OF DEFENSE ACQUI-**  
19 **TION STATUTES IN NEW PART V OF SUB-**  
20 **TITLE A OF TITLE 10, UNITED STATES CODE**  
21 **SEC. 801. FRAMEWORK FOR NEW PART V OF SUBTITLE A.**

22 (a) **IN GENERAL.**—Subtitle A of title 10, United  
23 States Code, is amended by adding at the end the fol-  
24 lowing new part:

**“PART V—ACQUISITION**

“Chap.		Sec.
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**“SUBPART A—GENERAL**

“201. Definitions .....		3001
“203. General Matters .....		3021
“205. Defense Acquisition System .....		3051
“207. Budgeting and Appropriations Matters .....		3101
“209. Operational Contract Support .....		3151

**“SUBPART B—ACQUISITION PLANNING**

“221. Planning and Solicitation Generally .....		3201
“223. Planning and Solicitation Relating to Particular Items or Services .....		3251

**“SUBPART C—CONTRACTING METHODS AND CONTRACT TYPES**

“241. Awarding of Contracts .....		3301
“243. Specific Types of Contracts .....		3351
“245. Task and Delivery Order Contracts (Multiple Award Contracts) .....		3401
“247. Acquisition of Commercial Items .....		3451
“249. Multiyear Contracts .....		3501
“251. Simplified Acquisition Procedures .....		3551
“253. Emergency and Rapid Acquisitions .....		3601
“255. Contracting With or Through Other Agencies .....		3651

**“SUBPART D—GENERAL CONTRACTING REQUIREMENTS**

“271. Truthful Cost or Pricing Data .....		3701
“273. Allowable Costs .....		3741
“275. Proprietary Contractor Data and Technical Data .....		3771
“277. Contract Financing .....		3801
“279. Contractor Audits and Accounting .....		3841
“281. Claims and Disputes .....		3861
“283. Foreign Acquisitions .....		3881
“285. Small Business Programs .....		3901
“287. Socioeconomic Programs .....		3961

**“SUBPART E—SPECIAL CATEGORIES OF CONTRACTING: MAJOR DEFENSE ACQUISITION PROGRAMS AND MAJOR SYSTEMS**

“301. Major Defense Acquisition Programs .....		4001
“303. Weapon Systems Development and Related Matters .....		4071
“305. Other Matters Relating to Major Systems .....		4121

**“SUBPART F—SPECIAL CATEGORIES OF CONTRACTING: RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

“321. Research and Development Generally .....		4201
“323. Innovation .....		4301
“325. Department of Defense Laboratories .....		4351
“327. Research and Development Centers and Facilities .....		4401
“329. Operational Test and Evaluation; Developmental Test and Evaluation .....		4451

**“SUBPART G—OTHER SPECIAL CATEGORIES OF CONTRACTING**

“341. Contracting for Performance of Civilian Commercial or Industrial Type Functions .....	4501
“343. Acquisition of Services .....	4541
“345. Acquisition of Information Technology .....	4571

**“SUBPART H—CONTRACT MANAGEMENT**

“361. Contract Administration .....	4601
“363. Prohibitions and Penalties .....	4651
“365. Contractor Workforce .....	4701
“367. Other Administrative and Miscellaneous Provisions .....	4751

**“SUBPART I—DEFENSE INDUSTRIAL BASE**

“381. Defense Industrial Base Generally .....	4801
“383. Loan Guarantee Programs .....	4861
“385. Procurement Technical Assistance Cooperative Agreement Program .....	4881

1 **“Subpart A—General**

2 **“CHAPTER 201—DEFINITIONS**

3 **“§ 3001. [Reserved]**

[Reserved]

4 **“CHAPTER 203—GENERAL MATTERS**

5 **“§ 3021. [Reserved]**

[Reserved]

6 **“CHAPTER 205—DEFENSE ACQUISITION**

7 **SYSTEM**

8 **“§ 3051. [Reserved]**

[Reserved]

9 **“CHAPTER 207—BUDGETING AND**

10 **APPROPRIATIONS MATTERS**

11 **“§ 3101. [Reserved]**

[Reserved]

1 **“CHAPTER 209—OPERATIONAL CONTRACT**  
2 **SUPPORT**

3 **“§ 3151. [Reserved]**

**[Reserved]**

4 **“Subpart B—Acquisition Planning**

5 **“CHAPTER 221—PLANNING AND**  
6 **SOLICITATION GENERALLY**

7 **“§ 3201. [Reserved]**

**[Reserved]**

8 **“CHAPTER 223—PLANNING AND SOLICITA-**  
9 **TION RELATING TO PARTICULAR**  
10 **ITEMS OR SERVICES**

11 **“§ 3251. [Reserved]**

**[Reserved]**

12 **“Subpart C—Contracting Methods and Contract**  
13 **Types**

14 **“CHAPTER 241—AWARDING OF**  
15 **CONTRACTS**

16 **“§ 3301. [Reserved]**

**[Reserved]**

17 **“CHAPTER 243—SPECIFIC TYPES OF**  
18 **CONTRACTS**

19 **“§ 3351. [Reserved]**

**[Reserved]**

1 **“CHAPTER 245—TASK AND DELIVERY**  
2 **ORDER CONTRACTS (MULTIPLE**  
3 **AWARD CONTRACTS)**

4 **“§ 3401. [Reserved]**

**[Reserved]**

5 **“CHAPTER 247—ACQUISITION OF**  
6 **COMMERCIAL ITEMS**

7 **“§ 3451. [Reserved]**

**[Reserved]**

8 **“CHAPTER 249—MULTIYEAR CONTRACTS**

9 **“§ 3501. [Reserved]**

**[Reserved]**

10 **“CHAPTER 251—SIMPLIFIED ACQUISITION**  
11 **PROCEDURES**

12 **“§ 3551. [Reserved]**

**[Reserved]**

13 **“CHAPTER 253—EMERGENCY AND RAPID**  
14 **ACQUISITIONS**

15 **“§ 3601. [Reserved]**

**[Reserved]**

16 **“CHAPTER 255—CONTRACTING WITH OR**  
17 **THROUGH OTHER AGENCIES**

18 **“§ 3651. [Reserved]**

**[Reserved]**

1     **“Subpart D—General Contracting Requirements**

2     **“CHAPTER 271—TRUTHFUL COST OR**  
3             **PRICING DATA**

4     **“§ 3701. [Reserved]**

**[Reserved]**

5     **“CHAPTER 273—ALLOWABLE COSTS**

6     **“§ 3741. [Reserved]**

**[Reserved]**

7     **“CHAPTER     275—PROPRIETARY     CON-**  
8             **TRACTOR DATA AND TECHNICAL DATA**

9     **“§ 3771. [Reserved]**

**[Reserved]**

10    **“CHAPTER 277—CONTRACT FINANCING**

11    **“§ 3801. [Reserved]**

**[Reserved]**

12    **“CHAPTER 279—CONTRACTOR AUDITS**  
13             **AND ACCOUNTING**

14    **“§ 3841. [Reserved]**

**[Reserved]**

15    **“CHAPTER 281—CLAIMS AND DISPUTES**

16    **“§ 3861. [Reserved]**

**[Reserved]**

17    **“CHAPTER 283—FOREIGN ACQUISITIONS**

18    **“§ 3881. [Reserved]**

**[Reserved]**

1           **“CHAPTER 285—SMALL BUSINESS**  
2                                   **PROGRAMS**

3   **“§ 3901. [Reserved]**  
          **[Reserved]**

4           **“CHAPTER 287—SOCIOECONOMIC**  
5                                   **PROGRAMS**

6   **“§ 3961. [Reserved]**  
          **[Reserved]**

7   **“Subpart E—Special Categories of Contracting:**  
8           **Major Defense Acquisition Programs and Major**  
9           **Systems**

10           **“CHAPTER 301—MAJOR DEFENSE**  
11                                   **ACQUISITION PROGRAMS**

12   **“§ 4001. [Reserved]**  
          **[Reserved]**

13           **“CHAPTER 303—WEAPON SYSTEMS**  
14   **DEVELOPMENT AND RELATED MATTERS**

15   **“§ 4071. [Reserved]**  
          **[Reserved]**

16           **“CHAPTER 305—OTHER MATTERS**  
17                                   **RELATING TO MAJOR SYSTEMS**

18   **“§ 4121. [Reserved]**  
          **[Reserved]**

1       **“Subpart F—Special Categories of Contracting:**

2       **Research, Development, Test, and Evaluation**

3               **“CHAPTER 321—RESEARCH AND**

4               **DEVELOPMENT GENERALLY**

5   **“§ 4201. [Reserved]**

**[Reserved]**

6               **“CHAPTER 323—INNOVATION**

7   **“§ 4301. [Reserved]**

**[Reserved]**

8               **“CHAPTER 325—DEPARTMENT OF**

9               **DEFENSE LABORATORIES**

10   **“§ 4351. [Reserved]**

**[Reserved]**

11               **“CHAPTER 327—RESEARCH AND**

12   **DEVELOPMENT CENTERS AND FACILITIES**

13   **“§ 4401. [Reserved]**

**[Reserved]**

14   **“CHAPTER 329—OPERATIONAL TEST AND**

15   **EVALUATION; DEVELOPMENTAL TEST**

16   **AND EVALUATION**

17   **“§ 4451. [Reserved]**

**[Reserved]**



1           **“CHAPTER 365—CONTRACTOR**  
2                                   **WORKFORCE**

3   **“§ 4701. [Reserved]**  
          **[Reserved]**

4   **“CHAPTER 367—OTHER ADMINISTRATIVE**  
5                                   **AND MISCELLANEOUS PROVISIONS**

6   **“§ 4751. [Reserved]**  
          **[Reserved]**

7                   **“Subpart I—Defense Industrial Base**

8   **“CHAPTER 381—DEFENSE INDUSTRIAL**  
9                                   **BASE GENERALLY**

10 **“§ 4801. [Reserved]**  
          **[Reserved]**

11           **“CHAPTER 383—LOAN GUARANTEE**  
12                                   **PROGRAMS**

13 **“§ 4861. [Reserved]**  
          **[Reserved]**

14 **“CHAPTER 385—PROCUREMENT TECH-**  
15                                   **NICAL ASSISTANCE COOPERATIVE**  
16                                   **AGREEMENT PROGRAM**

17 **“§ 4881. [Reserved]**

18       **“[Reserved]”.**

19       (b) TABLE OF CHAPTERS AMENDMENT.—The table  
20 of chapters at the beginning of subtitle A is amended by  
21 adding at the end the following new items:

**“PART V—ACQUISITION**

**“SUBPART A—GENERAL**

“201. Definitions .....	3001
“203. General Matters .....	3021
“205. Defense Acquisition System .....	3051
“207. Budgeting and Appropriations Matters .....	3101
“209. Operational Contract Support .....	3151

**“SUBPART B—ACQUISITION PLANNING**

“221. Planning and Solicitation Generally .....	3201
“223. Planning and Solicitation Relating to Particular Items or Services .....	3251

**“SUBPART C—CONTRACTING METHODS AND CONTRACT TYPES**

“241. Awarding of Contracts .....	3301
“243. Specific Types of Contracts .....	3351
“245. Task and Delivery Order Contracts (Multiple Award Contracts) .....	3401
“247. Acquisition of Commercial Items .....	3451
“249. Multiyear Contracts .....	3501
“251. Simplified Acquisition Procedures .....	3551
“253. Emergency and Rapid Acquisitions .....	3601
“255. Contracting With or Through Other Agencies .....	3651

**“SUBPART D—GENERAL CONTRACTING REQUIREMENTS**

“271. Truthful Cost or Pricing Data .....	3701
“273. Allowable Costs .....	3741
“275. Proprietary Contractor Data and Technical Data .....	3771
“277. Contract Financing .....	3801
“279. Contractor Audits and Accounting .....	3841
“281. Claims and Disputes .....	3861
“283. Foreign Acquisitions .....	3881
“285. Small Business Programs .....	3901
“287. Socioeconomic Programs .....	3961

**“SUBPART E—SPECIAL CATEGORIES OF CONTRACTING: MAJOR DEFENSE ACQUISITION PROGRAMS AND MAJOR SYSTEMS**

“301. Major Defense Acquisition Programs .....	4001
“303. Weapon Systems Development and Related Matters .....	4071
“305. Other Matters Relating to Major Systems .....	4121

**“SUBPART F—SPECIAL CATEGORIES OF CONTRACTING: RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

“321. Research and Development Generally .....	4201
“323. Innovation .....	4301
“325. Department of Defense Laboratories .....	4351
“327. Research and Development Centers and Facilities .....	4401
“329. Operational Test and Evaluation; Developmental Test and Evaluation .....	4451

**“SUBPART G—OTHER SPECIAL CATEGORIES OF CONTRACTING**

“341. Contracting for Performance of Civilian Commercial or Industrial Type Functions .....	4501
---	------

“343. Acquisition of Services .....	4541
“345. Acquisition of Information Technology .....	4571

**“SUBPART H—CONTRACT MANAGEMENT**

“361. Contract Administration .....	4601
“363. Prohibitions and Penalties .....	4651
“365. Contractor Workforce .....	4701
“367. Other Administrative and Miscellaneous Provisions .....	4751

**“SUBPART I—DEFENSE INDUSTRIAL BASE**

“381. Defense Industrial Base Generally .....	4801
“383. Loan Guarantee Programs .....	4861
“385. Procurement Technical Assistance Cooperative Agreement Program .....	4881”.

**1 PART II—REDESIGNATION OF SECTIONS AND**  
**2 CHAPTERS OF SUBTITLES B, C, AND D TO**  
**3 PROVIDE ROOM FOR NEW PART V OF SUB-**  
**4 TITLE A**

**5 SEC. 806. REDESIGNATION OF SECTIONS AND CHAPTERS**  
**6 OF SUBTITLE D OF TITLE 10, UNITED STATES**  
**7 CODE—AIR FORCE.**

**8 (a) SUBTITLE D, PART III, SECTION NUMBERS.—**  
**9 The sections in part III of subtitle D of title 10, United**  
**10 States Code, are redesignated as follows:**

**11 (1) CHAPTER 909.—**Each section in chapter 909  
**12 is redesignated so that the number of the section, as**  
**13 redesignated, is the number equal to the previous**  
**14 number plus 50.**

**15 (2) CHAPTER 907.—**Each section in chapter 907  
**16 is redesignated so that the number of the section, as**  
**17 redesignated, is the number equal to the previous**  
**18 number plus 70.**

1           (3) CHAPTERS 901 AND 903.—Each section in  
2 chapter 901 and chapter 903 is redesignated so that  
3 the number of the section, as redesignated, is the  
4 number equal to the previous number plus 100.

5           (b) SUBTITLE D, PART II, SECTION NUMBERS.—The  
6 sections in part II of such subtitle are redesignated as fol-  
7 lows:

8           (1) CHAPTER 831.—Section 8210 is redesi-  
9 gnated as section 9110.

10          (2) CHAPTER 833.—Sections 8251, 8252, 8257,  
11 and 8258 are redesignated as sections 9131, 9132,  
12 9137, and 9138, respectively.

13          (3) CHAPTER 835.—Sections 8281 and 8310  
14 are redesignated as sections 9151 and 9160, respec-  
15 tively.

16          (4) CHAPTER 839.—Section 8446 is redesi-  
17 gnated as section 9176.

18          (5) CHAPTER 841.—Sections 8491 and 8503  
19 are redesignated as sections 9191 and 9203, respec-  
20 tively.

21          (6) CHAPTER 843.—Sections 8547 and 8548  
22 are redesignated as sections 9217 and 9218, respec-  
23 tively.

1           (7) CHAPTER 845.—Sections 8572, 8575, 8579,  
2           8581, and 8583 are redesignated as sections 9222,  
3           9225, 9229, 9231, and 9233, respectively.

4           (8) CHAPTER 849.—Section 8639 is redesign-  
5           ated as section 9239.

6           (9) CHAPTER 853.—Sections 8681, 8684, and  
7           8691 are redesignated as sections 9251, 9252, and  
8           9253, respectively.

9           (10) CHAPTER 855.—Section 8723 is redesign-  
10          ated as section 9263.

11          (11) CHAPTER 857.—Each section in chapter  
12          857 is redesignated so that the number of the sec-  
13          tion, as redesignated, is the number equal to the  
14          previous number plus 530.

15          (12) CHAPTER 861.—Section 8817 is redesign-  
16          ated as section 9307.

17          (13) CHAPTER 867.—Each section in chapter  
18          867 is redesignated so that the number of the sec-  
19          tion, as redesignated, is the number equal to the  
20          previous number plus 400.

21          (14) CHAPTER 869.—Sections 8961, 8962,  
22          8963, 8964, 8965, and 8966 are redesignated as  
23          sections 9341, 9342, 9343, 9344, 9345, and 9346,  
24          respectively.

1           (15) CHAPTER 871.—Sections 8991 and 8992  
2           are redesignated as sections 9361 and 9362, respec-  
3           tively.

4           (16) CHAPTER 873.—Sections 9021, 9025, and  
5           9027 are redesignated as sections 9371, 9375, and  
6           9377, respectively.

7           (17) CHAPTER 875.—Section 9061 is redesign-  
8           ated as section 9381.

9           (c) SUBTITLE D, PART I, SECTION NUMBERS.—  
10          Each section in part I of such subtitle is redesignated so  
11          that the number of the section, as redesignated, is the  
12          number equal to the previous number plus 1,000.

13          (d) SUBTITLE D CHAPTER NUMBERS.—

14           (1) PART IV CHAPTER NUMBERS.—Each chap-  
15           ter in part IV of such subtitle is redesignated so  
16           that the number of the chapter, as redesignated, is  
17           the number equal to the previous number plus 30.

18           (2) PART III CHAPTER NUMBERS.—Each chap-  
19           ter in part III of such subtitle is redesignated so  
20           that the number of the chapter, as redesignated, is  
21           the number equal to the previous number plus 50.

22           (3) PART II CHAPTER NUMBERS.—

23           (A) IN GENERAL.—Except as provided in  
24           subparagraph (B), each chapter in part II of  
25           such subtitle is redesignated so that the number

1 of the chapter, as redesignated, is the number  
2 equal to the previous number plus 80.

3 (B) OTHER CHAPTERS.—

4 (i) Chapter 861 is redesignated as  
5 chapter 939.

6 (ii) Chapters 867, 869, 871, 873, and  
7 875 are each redesignated so that the  
8 number of the chapter, as redesignated, is  
9 the number equal to the previous number  
10 plus 74.

11 (4) PART I CHAPTER NUMBERS.—Each chapter  
12 in part I of such subtitle is redesignated so that the  
13 number of the chapter, as redesignated, is the num-  
14 ber equal to the previous number plus 100.

15 (e) SUBTITLE D TABLES OF SECTIONS AND TABLES  
16 OF CHAPTERS.—

17 (1) TABLES OF SECTIONS.—The tables of sec-  
18 tions at the beginning of the chapters of such sub-  
19 title are revised so as to conform the section ref-  
20 erences in those tables to the redesignations made  
21 by subsections (a), (b), and (c).

22 (2) TABLES OF CHAPTERS.—The table of chap-  
23 ters at the beginning of such subtitle, and the tables  
24 of chapters at the beginning of each part of such  
25 subtitle, are revised so as to conform the chapter

1 references and section references in those tables to  
2 the redesignations made by this section.

3 **SEC. 807. REDESIGNATION OF SECTIONS AND CHAPTERS**  
4 **OF SUBTITLE C OF TITLE 10, UNITED STATES**  
5 **CODE—NAVY AND MARINE CORPS.**

6 (a) SUBTITLE C, PART I, SECTION NUMBERS.—

7 (1) IN GENERAL.—Except as provided in para-  
8 graph (2), each section in part I of subtitle C of title  
9 10, United States Code, is redesignated so that the  
10 number of the section, as redesignated, is the num-  
11 ber equal to the previous number plus 3,000.

12 (2) CHAPTER 513.—For sections in chapter  
13 513, each section is redesignated so that the number  
14 of the section, as redesignated, is the number equal  
15 to the previous number plus 2,940.

16 (b) SUBTITLE C, PART II, SECTION NUMBERS.—The  
17 sections in part II of such subtitle are redesignated as fol-  
18 lows:

19 (1) CHAPTER 533.—Sections 5441, 5450, and  
20 5451 are redesignated as sections 8101, 8102, and  
21 8103, respectively.

22 (2) CHAPTER 535.—Sections 5501, 5502, 5503,  
23 and 5508 are redesignated as sections 8111, 8112,  
24 8113, and 8118, respectively.

1           (3) CHAPTER 537.—Section 5540 is redesi-  
2           gnated as section 8120.

3           (4) CHAPTER 539.—Sections 5582, 5585, 5587,  
4           5587a, 5589, and 5596 are redesignated as sections  
5           8132, 8135, 8137, 8138, 8139, and 8146, respec-  
6           tively.

7           (5) CHAPTER 551.—Each section in chapter 551  
8           is redesignated so that the number of the section, as  
9           redesignated, is the number equal to the previous  
10          number plus 2,220.

11          (6) CHAPTER 553.—Sections 5983, 5985, and  
12          5986 are redesignated as sections 8183, 8185, and  
13          8186, respectively.

14          (7) CHAPTER 555.—The sections in chapter 555  
15          are redesignated as follows:

<b>Section</b>	<b>Redesignated Section</b>
6011	8211
6012	8212
6013	8213
6014	8214
6019	8215
6021	8216
6022	8217
6024	8218
6027	8219
6029	8220

<b>Section</b>	<b>Redesignated Section</b>
6031	8221
6032	8222
6035	8225
6036	8226

1           (8) CHAPTER 557.—Each section in chapter 557  
2           is redesignated so that the number of the section, as  
3           redesignated, is the number equal to the previous  
4           number plus 2,160.

5           (9) CHAPTER 559.—Section 6113 is redesign-  
6           nated as section 8253.

7           (10) CHAPTER 561.—The sections in chapter  
8           561 are redesignated as follows:

<b>Section</b>	<b>Redesignated Section</b>
6141	8261
6151	8262
6152	8263
6153	8264
6154	8265
6155	8266
6156	8267
6160	8270
6161	8271

9           (11) CHAPTER 563.—Sections 6201, 6202, and  
10          6203 are redesignated as sections 8281, 8282, and  
11          8283, respectively.

1           (12) CHAPTER 565.—Sections 6221 and 6222  
2           are redesignated as sections 8286 and 8287, respec-  
3           tively.

4           (13) CHAPTER 567.—Each section in chapter  
5           567 is redesignated so that the number of the sec-  
6           tion, as redesignated, is the number equal to the  
7           previous number plus 2,050.

8           (14) CHAPTER 569.—Section 6292 is redesi-  
9           gnated as section 8317.

10          (15) CHAPTER 571.—Each section in chapter  
11          571 is redesignated so that the number of the sec-  
12          tion, as redesignated, is the number equal to the  
13          previous number plus 2,000.

14          (16) CHAPTER 573.—Sections 6371, 6383,  
15          6389, 6404, and 6408 are redesignated as sections  
16          8371, 8372, 8373, 8374, and 8375, respectively.

17          (17) CHAPTER 575.—Sections 6483, 6484,  
18          6485, and 6486 are redesignated as sections 8383,  
19          8384, 8385, and 8386, respectively.

20          (18) CHAPTER 577.—Section 6522 is redesi-  
21          gnated as section 8392.

22          (c) SUBTITLE C, PART III, SECTION NUMBERS.—

23           (1) IN GENERAL.—Except as provided in para-  
24           graph (2), each section in part III of such subtitle  
25           is redesignated so that the number of the section, as

1 redesignated, is the number equal to the previous  
2 number plus 1,500.

3 (2) CHAPTER 609.—Sections 7101, 7102, 7103,  
4 and 7104 are redesignated as sections 8591, 8592,  
5 8593, and 8594, respectively.

6 (d) SUBTITLE C, PART IV, SECTION NUMBERS.—  
7 The sections in part IV of such subtitle are redesignated  
8 as follows:

9 (1) CHAPTER 631.—Each section in chapter 631  
10 is redesignated so that the number of the section, as  
11 redesignated, is the number equal to the previous  
12 number plus 1,400.

13 (2) CHAPTER 633.—Each section in chapter 633  
14 is redesignated so that the number of the section, as  
15 redesignated, is the number equal to the previous  
16 number plus 1,370.

17 (3) CHAPTER 637.—Sections 7361, 7362, 7363,  
18 and 7364 are redesignated as sections 8701, 8702,  
19 8703, and 8704, respectively.

20 (4) CHAPTER 639.—Sections 7395 and 7396  
21 are redesignated as sections 8715 and 8716, respec-  
22 tively.

23 (5) CHAPTER 641.—Each section in chapter 641  
24 is redesignated so that the number of the section, as

1 redesignated, is the number equal to the previous  
2 number plus 1,300.

3 (6) CHAPTER 643.—Sections 7472, 7473, 7476,  
4 7477, 7478, 7479, and 7480 are redesignated as  
5 sections 8742, 8743, 8746, 8747, 8748, 8749, and  
6 8750, respectively.

7 (7) CHAPTER 645.—Sections 7522, 7523, and  
8 7524 are redesignated as sections 8752, 8753, and  
9 8754, respectively.

10 (8) CHAPTER 647.—The sections in chapter 647  
11 are redesignated as follows:

<b>Section</b>	<b>Redesignated Section</b>
7541	8761
7541a	8761a
7541b	8761b
7542	8762
7543	8763
7544	8764
7545	8765
7546	8766
7547	8767

12 (9) CHAPTERS 649, 651, 653, AND 655.—Each  
13 section in chapters 649, 651, 653, and 655 is red-  
14 igned so that the number of the section, as red-  
15 igned, is the number equal to the previous number  
16 plus 1,200.

1           (10) CHAPTER 657.—Each section in chapter  
2           657 is redesignated so that the number of the sec-  
3           tion, as redesignated, is the number equal to the  
4           previous number plus 1,170.

5           (11) CHAPTER 659.—Sections 7851, 7852,  
6           7853, and 7854 are redesignated as sections 8901,  
7           8902, 8903, and 8904, respectively.

8           (12) CHAPTER 661.—Sections 7861, 7862, and  
9           7863 are redesignated as sections 8911, 8912, and  
10          8913, respectively.

11          (13) CHAPTER 663.—Section 7881 is redesi-  
12          gnated as section 8921.

13          (14) CHAPTER 665.—Sections 7901, 7902, and  
14          7903 are redesignated as sections 8931, 8932, and  
15          8933, respectively.

16          (15) CHAPTER 667.—Sections 7912 and 7913  
17          are redesignated as sections 8942 and 8943, respec-  
18          tively.

19          (16) CHAPTER 669.—Section 7921 is redesi-  
20          gnated as section 8951.

21          (e) SUBTITLE C CHAPTER NUMBERS.—

22           (1) PART I CHAPTER NUMBERS.—Each chapter  
23           in part I of such subtitle is redesignated so that the  
24           number of the chapter, as redesignated, is the num-

1 ber equal to the previous number plus 300, except  
2 that chapter 513 is redesignated as chapter 809.

3 (2) PART II CHAPTER NUMBERS.—

4 (A) IN GENERAL.—Except as provided in  
5 subparagraph (B), each chapter in part II of  
6 such subtitle is redesignated so that the number  
7 of the chapter, as redesignated, is the number  
8 equal to the previous number plus 270.

9 (B) OTHER CHAPTERS.—Chapter 533 is  
10 redesignated as chapter 811, chapter 535 is re-  
11 designating as chapter 812, chapter 537 is re-  
12 designating as chapter 813, and chapter 539 is  
13 redesignating as chapter 815.

14 (3) PART III CHAPTER NUMBERS.—Each chap-  
15 ter in part III of such subtitle is redesignated so  
16 that the number of the chapter, as redesignated, is  
17 the number equal to the previous number plus 250.

18 (4) PART IV CHAPTER NUMBERS.—Each chap-  
19 ter in part IV of such subtitle is redesignated so  
20 that the number of the chapter, as redesignated, is  
21 the number equal to the previous number plus 228,  
22 except that chapter 631 is redesignated as chapter  
23 861 and chapter 633 is redesignated as chapter 863.

24 (f) SUBTITLE C TABLES OF SECTIONS AND TABLES  
25 OF CHAPTERS.—

1           (1) TABLES OF SECTIONS.—The table of sec-  
2           tions at the beginning of each chapter of such sub-  
3           title is revised so as to conform the section ref-  
4           erences in the table to the redesignations made by  
5           subsections (a), (b), (c), and (d).

6           (2) TABLES OF CHAPTERS.—The table of chap-  
7           ters at the beginning of such subtitle, and the tables  
8           of chapters at the beginning of each part of such  
9           subtitle, are revised so as to conform the chapter  
10          references and section references in those tables to  
11          the redesignations made by this section.

12 **SEC. 808. REDESIGNATION OF SECTIONS AND CHAPTERS**  
13                           **OF SUBTITLE B OF TITLE 10, UNITED STATES**  
14                           **CODE—ARMY.**

15          (a) SUBTITLE B, PART I, SECTION NUMBERS.—  
16          Each section in part I of subtitle B of title 10, United  
17          States Code, is redesignated so that the number of the  
18          section, as redesignated, is the number equal to the pre-  
19          vious number plus 4,000.

20          (b) SUBTITLE B, PART II, SECTION NUMBERS.—The  
21          sections in part II of such subtitle are redesignated as fol-  
22          lows:

23                (1) CHAPTER 331.—Sections 3201 and 3210  
24                are redesignated as sections 7101 and 7110, respec-  
25                tively.

1           (2) CHAPTER 333.—Sections 3251, 3258, and  
2           3262 are redesignated as sections 7131, 7138, and  
3           7142, respectively.

4           (3) CHAPTER 335.—Sections 3281, 3282, and  
5           3283 are redesignated as sections 7151, 7152, and  
6           7153, respectively.

7           (4) CHAPTER 339.—Section 3446 is redesignig-  
8           nated as sections 7176.

9           (5) CHAPTER 341.—Sections 3491 and 3503  
10          are redesignated as sections 7191 and 7203, respec-  
11          tively.

12          (6) CHAPTER 343.—Sections 3533, 3534, 3536,  
13          3547 and 3548 are redesignated as sections 7213,  
14          7214, 7216, 7217, and 7218, respectively.

15          (7) CHAPTER 345.—Sections 3572, 3575, 3579,  
16          3581, and 3583 are redesignated as sections 7222,  
17          7225, 7229, 7231, and 7233, respectively.

18          (8) CHAPTER 349.—Section 3639 is redesignig-  
19          nated as section 7239.

20          (9) CHAPTER 353.—Sections 3681, 3684, and  
21          3691 are redesignated as sections 7251, 7252, and  
22          7253, respectively.

23          (10) CHAPTER 355.—Section 3723 is redesignig-  
24          nated as section 7263.

1           (11) CHAPTER 357.—Each section in chapter  
2           357 is redesignated so that the number of the sec-  
3           tion, as redesignated, is the number equal to the  
4           previous number plus 3,530.

5           (12) CHAPTER 367.—Each section in chapter  
6           367 is redesignated so that the number of the sec-  
7           tion, as redesignated, is the number equal to the  
8           previous number plus 3,400.

9           (13) CHAPTER 369.—Sections 3961, 3962,  
10          3963, 3964, 3965, and 3966 are redesignated as  
11          sections 7341, 7342, 7343, 7344, 7345, and 7346,  
12          respectively.

13          (14) CHAPTER 371.—Sections 3991 and 3992  
14          are redesignated as sections 7361 and 7362, respec-  
15          tively.

16          (15) CHAPTER 373.—Sections 4021, 4024,  
17          4025, and 4027 are redesignated as sections 7371,  
18          7374, 7375, and 7377, respectively.

19          (16) CHAPTER 375.—Section 4061 is redesign-  
20          ated as section 7381.

21          (c) SUBTITLE B, PART III, SECTION NUMBERS.—

22            (1) IN GENERAL.—Except as provided in para-  
23            graph (2), each section in part III of such subtitle  
24            is redesignated so that the number of the section, as

1 redesignated, is the number equal to the previous  
2 number plus 3,100.

3 (2) CHAPTER 407.—Each section in chapter 407  
4 is redesignated so that the number of the section, as  
5 redesignated, is the number equal to the previous  
6 number plus 3,070.

7 (d) SUBTITLE B, PART IV, SECTION NUMBERS.—  
8 Each section in part IV of such subtitle is redesignated  
9 so that the number of the section, as redesignated, is the  
10 number equal to the previous number plus 3,000.

11 (e) SUBTITLE B CHAPTER NUMBERS.—

12 (1) PART I CHAPTER NUMBERS.—Each chapter  
13 in part I of such subtitle is redesignated so that the  
14 number of the chapter, as redesignated, is the num-  
15 ber equal to the previous number plus 400.

16 (2) PART II CHAPTER NUMBERS.—

17 (A) IN GENERAL.—Except as provided in  
18 subparagraph (B), each chapter in part II of  
19 such subtitle is redesignated so that the number  
20 of the chapter, as redesignated, is the number  
21 equal to the previous number plus 380.

22 (B) OTHER CHAPTERS.—Chapters 367,  
23 369, 371, 373, and 375 are each redesignated  
24 so that the number of the chapter, as redesi-

1           nated, is the number equal to the previous  
2           number plus 374.

3           (3) PART III CHAPTER NUMBERS.—Each chap-  
4           ter in part III of such subtitle is redesignated so  
5           that the number of the chapter, as redesignated, is  
6           the number equal to the previous number plus 350.

7           (4) PART IV CHAPTER NUMBERS.—Each chap-  
8           ter in part IV of such subtitle is redesignated so  
9           that the number of the chapter, as redesignated, is  
10          the number equal to the previous number plus 330.

11          (f) SUBTITLE B TABLES OF SECTIONS AND TABLES  
12          OF CHAPTERS.—

13           (1) TABLES OF SECTIONS.—The table of sec-  
14           tions at the beginning of each chapter of such sub-  
15           title is revised so as to conform the section ref-  
16           erences in the table to the redesignations made by  
17           subsections (a), (b), (c), and (d).

18           (2) TABLES OF CHAPTERS.—The table of chap-  
19           ters at the beginning of such subtitle, and the tables  
20           of chapters at the beginning of each part of such  
21           subtitle, are revised so as to conform the chapter  
22           references and section references in those tables to  
23           the redesignations made by this section.

1 **SEC. 809. CROSS REFERENCES TO REDESIGNATED SEC-**  
2 **TIONS AND CHAPTERS.**

3 (a) TITLE 10, UNITED STATES CODE.—Each provi-  
4 sion of title 10, United States Code (including the table  
5 of subtitles preceding subtitle A), that contains a reference  
6 to a section or chapter redesignated by this part is amend-  
7 ed so that the reference refers to the number of the section  
8 or chapter as redesignated.

9 (b) LAWS CLASSIFIED AS TITLE 10, UNITED STATES  
10 CODE, NOTE SECTIONS.—

11 (1) Section 1111 of the Duncan Hunter Na-  
12 tional Defense Authorization Act for Fiscal Year  
13 2009 (Public Law 110–417; 10 U.S.C. 143 note) is  
14 amended by striking “sections 143, 194, 3014,  
15 5014, and 8014” in subsections (a) and (b) and in-  
16 serting “sections 143, 194, 7014, 8014, and 9014”.

17 (2) Section 4403(b) of the National Defense  
18 Authorization Act for Fiscal Year 1993 (Public Law  
19 102–484; 10 U.S.C. 1293 note) is amended—

20 (A) in paragraph (1)—

21 (i) in subparagraph (A), by striking  
22 “section 3911” and inserting “section  
23 7311”; and

24 (ii) in subparagraph (B), by striking  
25 “section 3914” and inserting “section  
26 7314”;

1 (B) in paragraph (2)—

2 (i) in subparagraph (A), by striking  
3 “section 6323” and inserting “section  
4 8323”; and

5 (ii) in subparagraph (B), by striking  
6 “section 6330” and inserting “section  
7 8330”; and

8 (C) in paragraph (3)—

9 (i) in subparagraph (A), by striking  
10 “section 8911” and inserting “section  
11 9311”; and

12 (ii) in subparagraph (B), by striking  
13 “section 8914” and inserting “section  
14 9314”.

15 (3) Section 598(d)(4) of the National Defense  
16 Authorization Act for Fiscal Year 2010 (Public Law  
17 111–84; 10 U.S.C. 1561 note) is amended by strik-  
18 ing “sections 4361, 6980, and 9361” and inserting  
19 “sections 7461, 8480, and 9461”.

20 (4) Section 549(a)(2)(B) of the National De-  
21 fense Authorization Act for Fiscal Year 2018 (Pub-  
22 lic Law 115–91; 10 U.S.C. 1580 note prec.) is  
23 amended by striking “section 4348, 6959, or 9348”  
24 and inserting “section 7448, 8459, or 9448”.

1           (5) Section 505(b) of the National Defense Au-  
2           thorization Act for Fiscal Year 1996 (Public Law  
3           104–106; 10 U.S.C. 3201 note) is amended by strik-  
4           ing “section 3201” and inserting “section 7101”.

5           (6) Section 586(g)(1) of the National Defense  
6           Authorization Act for Fiscal Year 2017 (Public Law  
7           114–328; 10 U.S.C. 3741 note) is amended by strik-  
8           ing “section 3744, 6248, or 8744” and inserting  
9           “section 7274, 8296, or 9274”.

10          (7) Section 2 of Public Law 89–650 (10 U.S.C.  
11          4343 note) is amended—

12                 (A) by striking “sections 4342(b)(1),  
13                 6954(b), and 9342(b)(1)” and inserting “sec-  
14                 tions 7442(b)(1), 8454(b), and 9442(b)(1) of  
15                 title 10, United States Code,”; and

16                 (B) by striking “sections 4343, 6956, and  
17                 9343 of title 10, United States Code” and in-  
18                 serting “sections 7443, 8456, and 9443 of such  
19                 title”.

20          (8) Section 323 of the National Defense Au-  
21          thorization Act for Fiscal Year 2017 (Public Law  
22          114–328; 10 U.S.C. 4551 note) is amended by strik-  
23          ing “section 4551(2)” and inserting “section  
24          7551(2)”.

1           (9) Section 343 of the National Defense Au-  
2           thorization Act for Fiscal Year 2016 (Public Law  
3           114–92; 10 U.S.C. 4554 note) is amended by strik-  
4           ing “section 4554(a)(3)(A)” and inserting “section  
5           7554(a)(3)(A)”.

6           (10) Section 589(c) of the National Defense  
7           Authorization Act for Fiscal Year 2013 (Public Law  
8           112–239; 10 U.S.C. 7049 note) is amended by strik-  
9           ing “sections 7049(a) and 9314a(a)” and inserting  
10          “sections 8549(a) and 9414a(a)”.

11          (11) Section 131(d) of the National Defense  
12          Authorization Act for Fiscal Year (Public Law 115–  
13          91; 10 U.S.C. 8062 note) is amended by striking  
14          “section 8062” and inserting “section 9062”.

15          (12) Section 2 of Public Law 86–593 (10  
16          U.S.C. 8744 note) is amended by striking “sections  
17          8744(a) and 8750(b)” and inserting “sections  
18          9274(a) and 9280(b)”.

19          (c) TITLE 5, UNITED STATES CODE.—

20                 (1) Section 5102(c) of title 5, United States  
21          Code, is amended—

22                         (A) in paragraph (10)—

23                                 (i) by striking “section 1595, 4021,  
24                                 7478, or 9021 of title 10” and inserting

1 “section 1595, 7371, 8748, or 9371 of title  
2 10”;

3 (ii) by striking “sections 4338, 6952,  
4 and 9338, respectively, of title 10” and in-  
5 serting “sections 7438, 8452, and 9438,  
6 respectively, of title 10”;

7 (iii) by striking “section 7044 of title  
8 10” and inserting “section 8544 of title  
9 10”; and

10 (iv) by striking “section 7043 of title  
11 10” and inserting “section 8543 of title  
12 10”; and

13 (B) in paragraph (28), by striking “section  
14 9314 of title 10” and inserting “section 9414  
15 of title 10”.

16 (2) Section 504(c) of the Department of De-  
17 fense Authorization Act, 1986 (Public Law 99–145;  
18 5 U.S.C. 5102 note), is amended by striking “Sec-  
19 tion 9314(b)(2) of title 10, United States Code” and  
20 inserting “Section 9414(b)(2) of title 10, United  
21 States Code”.

22 (3) Section 5514(c) of title 5, United States  
23 Code, is amended by striking “section 4837(d) or  
24 9837(d) of title 10” and inserting “section 7837(d)  
25 or 9837(d) of title 10”.

1           (4) Section 8150(b) of title 5, United States  
2 Code, is amended by striking “section 9441 of title  
3 10” and inserting “section 9491 of title 10”.

4           (d) LAWS CLASSIFIED IN TITLE 7, UNITED STATES  
5 CODE.—The 7th proviso in the paragraph under the head-  
6 ing “SALARIES” in the Department of Agriculture Ap-  
7 propriation Act, 1937 (7 U.S.C. 2238), is amended by  
8 striking “the Act of March 3, 1879 (20 Stat. 412)” and  
9 inserting “section 7655 of title 10, United States Code”.

10          (e) TITLE 18, UNITED STATES CODE.—

11           (1) Section 704 of title 18, United States Code,  
12 is amended—

13           (A) in subsection (c)(2)—

14           (i) by striking “section 3741, 6241, or  
15 8741 of title 10” in subparagraph (A) and  
16 inserting “section 7271, 8291, or 9271 of  
17 title 10”;

18           (ii) by striking “section 3754, 6256,  
19 or 8754 of title 10” in subparagraph (B)  
20 and inserting “section 7284, 8306, or  
21 9284 of title 10”; and

22           (iii) by striking “section 3747, 6253,  
23 or 8747 of title 10” in subparagraph (C)  
24 and inserting “section 7277, 8303, or  
25 9277 of title 10”; and

1 (B) in subsection (d)(1)—

2 (i) by striking “section 3742 of title  
3 10” and inserting “section 7272 of title  
4 10”;

5 (ii) by striking “section 6242 of title  
6 10” and inserting “section 8292 of title  
7 10”;

8 (iii) by striking “section 8742 of sec-  
9 tion 10” and inserting “section 9272 of  
10 title 10”; and

11 (iv) by striking “section 3746, 6244,  
12 or 8746 of title 10” and inserting “section  
13 7276, 8294, or 9276 of title 10”.

14 (2) Section 921(a)(4) of such title is amended  
15 by striking “section 4684(2), 4685, or 4686 of title  
16 10” in the matter after subparagraph (C) and in-  
17 serting “section 7684(2), 7685, or 7686 of title 10”

18 (3) Section 925(d)(1) of such title is amended  
19 by striking “chapter 401 of title 10” and inserting  
20 “chapter 751 of title 10”.

21 (f) LAWS CLASSIFIED IN TITLE 22, UNITED STATES  
22 CODE.—Section 44 of the Arms Export Control Act (22  
23 U.S.C. 2793) is amended by striking “section 7307 of title  
24 10 of the United States Code” and inserting “section  
25 8677 of title 10, United States Code”.

1           (g) LAWS CLASSIFIED IN TITLE 24, UNITED STATES  
2 CODE.—Section 1520(a) of the Armed Forces Retirement  
3 Home Act of 1991 (24 U.S.C. 420(a)) is amended by  
4 striking “sections 4712(f) and 9712(f) of title 10, United  
5 States Code” in the matter before paragraph (1) and in-  
6 serting “sections 7712(f) and 9712(f) of title 10, United  
7 States Code”.

8           (h) LAWS CLASSIFIED IN TITLE 26, UNITED STATES  
9 CODE.—

10           (1) Section 170(p)(6) of the Internal Revenue  
11 Code of 1986 is amended by striking “section 6973  
12 of title 10, United States Code” and inserting “sec-  
13 tion 8473 of title 10, United States Code”.

14           (2) Section 2055(g) of the Internal Revenue  
15 Code of 1986 is amended—

16           (A) in paragraph (4), by striking “section  
17 7222 of title 10, United States Code” and in-  
18 serting “section 8622 of title 10, United States  
19 Code”;

20           (B) in paragraph (9), by striking “section  
21 6973 of title 10, United States Code” and in-  
22 serting “section 8473 of title 10, United States  
23 Code”; and

24           (C) in paragraph (10), by striking “section  
25 6974 of title 10, United States Code” and in-

1           serting “section 8474 of title 10, United States  
2           Code”.

3           (3) Section 5845(f) of the Internal Revenue  
4           Code of 1986 is amended by striking “section  
5           4684(2), 4685, or 4686 of title 10 of the United  
6           States Code” and inserting “section 7684(2), 7685,  
7           or 7686 of title 10, United States Code”.

8           (i) LAWS CLASSIFIED IN TITLE 30, UNITED STATES  
9           CODE.—

10           (1) Section 35(a) of the Mineral Leasing Act  
11           (30 U.S.C. 191(a)) is amended by striking “the Act  
12           of June 4, 1920 (41 Stat. 813), as amended June  
13           30, 1938 (52 Stat. 1252)” before the period at the  
14           end of the first sentence and inserting “section  
15           8733(b) of title 10, United States Code”.

16           (2) Section 4 of the Mineral Leasing Act for  
17           Acquired Lands (30 U.S.C. 353) is amended by  
18           striking “the Act of June 30, 1938 (32 Stat. 1252),  
19           amending the Act of June 4, 1920 (41 Stat. 813)”  
20           before the period at the end and inserting “chapter  
21           869 of title 10, United States Code”.

22           (j) TITLE 32, UNITED STATES CODE.—Section  
23           113(b)(1)(A) of title 32, United States Code, is amended  
24           by striking “section 3013(b) of title 10” and inserting  
25           “section 7013(b) of title 10”.

1 (k) LAWS CLASSIFIED IN TITLE 33, UNITED STATES  
2 CODE.—

3 (1) Section 902(c)(2) of the Oceans and  
4 Human Health Act (33 U.S.C. 3101(c)(2)) is  
5 amended by striking “(10 U.S.C. 7902(a))” and in-  
6 serting “(10 U.S.C. 8932(a))”.

7 (2) Section 12406(a)(3) of the Federal Ocean  
8 Acidification Research And Monitoring Act of 2009  
9 (33 U.S.C. 3705(a)(3)) is amended by striking “sec-  
10 tion 7901 of title 10, United States Code” and in-  
11 serting “section 8931 of title 10, United States  
12 Code”.

13 (l) TITLE 36, UNITED STATES CODE.—

14 (1) Section 903(b) of title 36, United States  
15 Code, is amended by striking “sections 3755, 6257,  
16 and 8755 of title 10” and inserting “sections 7285,  
17 8307, and 9285 of title 10”.

18 (2) Section 40303(b) of such title is amended  
19 by striking “section 9447 of title 10” and inserting  
20 “section 9497 of title 10”.

21 (m) TITLE 37, UNITED STATES CODE.—

22 (1) Section 207(e) of title 37, United States  
23 Code, is amended by striking “section 6222 of title  
24 10” and inserting “section 8287 of title 10”.

1           (2) Section 301a(a)(6)(D) of such title is  
2 amended by striking “section 6911 of title 10” and  
3 inserting “section 8411 of title 10”.

4           (3) Section 334(h)(4) of such title is amended  
5 by striking “section 6911 of title 10” and inserting  
6 “section 8411 of title 10”.

7           (4) Section 424(c) of such title is amended by  
8 striking “section 6222 of title 10” and inserting  
9 “section 8287 of title 10”.

10       (n) TITLE 38, UNITED STATES CODE.—

11           (1) The following provisions of chapter 17 of  
12 title 38, United States Code, are amended by strik-  
13 ing “section 3741, 6241, or 8741 of title 10” and  
14 inserting “section 7271, 8291, or 9271 of title 10”:

15               (A) Section 1705(a)(1).

16               (B) Section 1710(a)(2)(D).

17               (C) Section 1710B(c)(2)(D).

18               (D) Section 1722A(a)(3)(D).

19           (2) Section 2306(d)(5) of such title is amended  
20 by striking “section 3741, 6241, or 8741 of title 10”  
21 in subparagraphs (C)(iii) and (D) and inserting  
22 “section 7271, 8291, or 9271 of title 10”.

23           (3) Section 3311(d)(2) of such title is amended  
24 by striking “section 4348, 6959, or 9348 of title 10”

1 and inserting “section 7448, 8459, or 9448 of title  
2 10”.

3 (n) LAWS CLASSIFIED IN TITLE 42, UNITED STATES  
4 CODE.—

5 (1) Section 106 of the Naval Petroleum Re-  
6 serves Production Act of 1976 (42 U.S.C. 6506) is  
7 amended by striking “section 7430 of title 10,  
8 United States Code” and inserting “section 8730 of  
9 title 10, United States Code”.

10 (2) Section 3022 of the Solid Waste Disposal  
11 Act (42 U.S.C. 6939d) is amended—

12 (A) in subsection (c)(2), by striking “sec-  
13 tion 7293 and sections 7304 through 7308 of  
14 title 10, United States Code” and inserting  
15 “section 8663 and sections 8674 through 8678  
16 of title 10, United States Code”; and

17 (B) in subsection (d), by striking “section  
18 7311 of title 10, United States Code” and in-  
19 serting “section 8681 of title 10, United States  
20 Code”.

21 (3) The Department of Energy Organization  
22 Act is amended—

23 (A) in section 307 (42 U.S.C. 7156), by  
24 striking “chapter 641 of title 10, United States  
25 Code” in the matter before paragraph (1) and

1 inserting “chapter 869 of title 10, United  
2 States Code”; and

3 (B) in section 625(a) (42 U.S.C. 7235(a)),  
4 by striking “chapter 641 of title 10, United  
5 States Code” and inserting “chapter 869 of  
6 title 10, United States Code”.

7 (4) Section 102(f)(3) of the Uranium Mill  
8 Tailings Radiation Control Act of 1978 (42 U.S.C.  
9 7912(f)(3)) is amended by striking “(10 U.S.C.  
10 7420 note; Public Law 105–261)” in the matter be-  
11 fore subparagraph (A) and inserting “(10 U.S.C.  
12 8720 note; Public Law 105–261)”.

13 (p) LAWS CLASSIFIED IN TITLE 43, UNITED STATES  
14 CODE.—Section 2(e) of the Alaska Native Claims Settle-  
15 ment Act (43 U.S.C. 1601(e)) is amended by striking  
16 “sections 7421 through 7438 of title 10 of the United  
17 States Code” and inserting “sections 8721 through 8738  
18 of title 10, United States Code,”.

19 (q) TITLE 46, UNITED STATES CODE.—Section  
20 57100(d)(1) of title 46, United States Code, is amended  
21 by striking “section 7310 of title 10, United States Code,”  
22 and inserting “section 8680 of title 10”.

23 (r) LAWS CLASSIFIED IN TITLE 50, UNITED STATES  
24 CODE.—Section 505(a)(2)(B)(i) of the National Security  
25 Act of 1947 (50 U.S.C. 3095(a)(2)(B)(i)) is amended by

1 striking “(including a law enacted pursuant to section  
2 7307(a) of that title)” and inserting “(including a law en-  
3 acted pursuant to section 8677(a) of title 10)”.

4 (s) TITLE 54, UNITED STATES CODE.—Section  
5 303102 of title 54, United States Code, is amended by  
6 striking “section 7433(b) of title 10” and inserting “sec-  
7 tion 8733(b) of title 10”.

8 (t) DEEMING RULE FOR OTHER REFERENCES.—Any  
9 reference in a provision of law (other than a provision  
10 amended by this section) to a section or chapter redesi-  
11 gnated by this part shall be deemed to refer to the section  
12 or chapter as so redesignated.

13 **PART III—REPEALS OF CERTAIN PROVISIONS OF**  
14 **DEFENSE ACQUISITION LAW**

15 **SEC. 811. AMENDMENT TO AND REPEAL OF STATUTORY RE-**  
16 **QUIREMENTS FOR CERTAIN POSITIONS OR**  
17 **OFFICES IN THE DEPARTMENT OF DEFENSE.**

18 (a) AMENDMENT RELATING TO DIRECTOR OF COR-  
19 ROSION POLICY AND OVERSIGHT.—Section 2228(a) of  
20 title 10, United States Code, is amended—

21 (1) by striking “, Technology, and Logistics”  
22 and inserting “and Sustainment” both places it ap-  
23 pears; and

1           (2) by striking “The Director shall report di-  
2           rectly to the Under Secretary” at the end of para-  
3           graph (2).

4           (b) REPEAL OF STATUTORY REQUIREMENT FOR OF-  
5           FICE OF TECHNOLOGY TRANSITION.—

6           (1) REPEAL.—Section 2515 of title 10, United  
7           States Code, is repealed.

8           (2) CLERICAL AMENDMENT.—The table of sec-  
9           tions at the beginning of subchapter III of chapter  
10          148 of such title is amended by striking the item re-  
11          lating to section 2515.

12          (c) REPEAL OF STATUTORY REQUIREMENT FOR OF-  
13          FICE FOR FOREIGN DEFENSE CRITICAL TECHNOLOGY  
14          MONITORING AND ASSESSMENT.—

15          (1) REPEAL.—Section 2517 of title 10, United  
16          States Code, is repealed.

17          (2) CLERICAL AMENDMENT.—The table of sec-  
18          tions at the beginning of subchapter III of chapter  
19          148 of such title is amended by striking the item re-  
20          lating to section 2517.

21          (d) REPEAL OF STATUTORY REQUIREMENT FOR DE-  
22          FENSE LOGISTICS AGENCY ADVOCATE FOR COMPETI-  
23          TION.—

24          (1) REPEAL.—Section 2318 of title 10, United  
25          States Code, is amended—

1 (A) by striking subsection (a); and

2 (B) by striking “(b)” before “Each advo-  
3 cate”.

4 (2) TECHNICAL AMENDMENTS.—Such section is  
5 further amended—

6 (A) by striking “advocate for competition  
7 of” and inserting “advocate for competition  
8 designated pursuant to section 1705(a) of title  
9 41 for”; and

10 (B) by striking “a grade GS–16 or above  
11 under the General Schedule (or in a comparable  
12 or higher position under another schedule)” and  
13 inserting “in a position classified above GS–15  
14 pursuant to section 5108 of title 5”.

15 (e) REPEAL OF STATUTORY REQUIREMENT FOR  
16 DESIGNATION OF INDIVIDUAL TO SERVE AS PRIMARY LI-  
17 AISON BETWEEN THE PROCUREMENT AND RESEARCH  
18 AND DEVELOPMENT ACTIVITIES OF THE UNITED STATES  
19 ARMED FORCES AND THOSE OF THE STATE OF  
20 ISRAEL.—Section 1006 of the National Defense Author-  
21 ization Act, Fiscal Year 1989 (Public Law 100–456; 102  
22 Stat. 2040; 10 U.S.C. 133a note) is repealed.

23 (f) REPEAL OF STATUTORY REQUIREMENT FOR DES-  
24 IGNATION OF SENIOR OFFICIAL TO COORDINATE AND  
25 MANAGE HUMAN SYSTEMS INTEGRATION ACTIVITIES RE-

1 LATED TO ACQUISITION PROGRAMS.—Section 231 of the  
2 National Defense Authorization Act for Fiscal Year 2008  
3 (Public Law 110–181; 122 Stat. 45; 10 U.S.C. 1701 note)  
4 is amended—

5 (1) by striking “(a) IN GENERAL.—”; and

6 (2) by striking subsections (b), (c), and (d).

7 (g) REPEAL OF STATUTORY REQUIREMENT FOR  
8 DESIGNATION OF SENIOR OFFICIAL RESPONSIBLE FOR  
9 FOCUS ON URGENT OPERATIONAL NEEDS AND RAPID  
10 ACQUISITION.—Section 902 of the National Defense Au-  
11 thorization Act for Fiscal Year 2013 (Public Law 112–  
12 239; 126 Stat. 1865; 10 U.S.C. 2302 note) is repealed.

13 (h) REPEAL OF STATUTORY REQUIREMENT FOR  
14 DESIGNATION OF SENIOR OFFICIAL RESPONSIBLE FOR  
15 DUAL-USE PROJECTS UNDER DUAL-USE SCIENCE AND  
16 TECHNOLOGY PROGRAM.—Section 203 of the National  
17 Defense Authorization Act for Fiscal Year 1998 (Public  
18 Law 105–85; 10 U.S.C. 2511 note) is amended by striking  
19 subsection (e).

20 (i) SUBMISSION OF NOTICE AND PLAN TO CON-  
21 GRESS.—Not less than 30 days before reorganizing, re-  
22 structuring, or eliminating any position or office specified  
23 in this section, the Secretary shall submit to the Commit-  
24 tees on Armed Services of the Senate and House of Rep-  
25 resentatives notice of such reorganization, restructuring,

1 or elimination together with a plan to ensure that mission  
2 requirements are met and appropriate oversight is con-  
3 ducted in carrying out such reorganization, restructuring,  
4 or elimination. Such plan shall address how user needs  
5 will be met and how associated roles and responsibilities  
6 will be accomplished for each position or office that the  
7 Secretary determines requiring reorganization, restruc-  
8 turing, or elimination.

9 **SEC. 812. REPEAL OF CERTAIN DEFENSE ACQUISITION**  
10 **LAWS.**

11 (a) TITLE 10, UNITED STATES CODE.—

12 (1) SECTION 167A.—

13 (A) REPEAL.—Section 167a of title 10,  
14 United States Code, is repealed.

15 (B) CLERICAL AMENDMENT.—The table of  
16 sections at the beginning of chapter 6 of such  
17 title is amended by striking the item relating to  
18 section 167a.

19 (C) CONFORMING AMENDMENT.—Section  
20 905(a)(1) of the John Warner National Defense  
21 Authorization Act for Fiscal Year 2007 (Public  
22 Law 109–364; 10 U.S.C. 133a note) is amend-  
23 ed by striking “166b, 167, or 167a” and insert-  
24 ing “166b or 167”.

25 (2) SECTION 2323.—

1 (A) REPEAL.—Section 2323 of title 10,  
2 United States Code, is repealed.

3 (B) CLERICAL AMENDMENT.—The table of  
4 sections at the beginning of chapter 137 of such  
5 title is amended by striking the item relating to  
6 section 2323.

7 (C) CONFORMING AMENDMENTS.—

8 (i) Section 853(c) of the National De-  
9 fense Authorization Act for Fiscal Year  
10 2004 (Public Law 108–136; 10 U.S.C.  
11 2302 note) is amended by striking “section  
12 2323 of title 10, United States Code,  
13 and”.

14 (ii) Section 831(n) of the National  
15 Defense Authorization Act for Fiscal Year  
16 1991 (Public Law 101–510; 10 U.S.C.  
17 2302 note) is amended—

18 (I) in paragraph (4), by inserting  
19 “, as in effect on March 1, 2018”  
20 after “section 2323 of title 10, United  
21 States Code”; and

22 (II) in paragraph (6), by striking  
23 “section 2323 of title 10, United  
24 States Code, and”.

1 (iii) Section 8304(1) of the Federal  
2 Acquisition Streamlining Act of 1994 (10  
3 U.S.C. 2375 note) is amended by striking  
4 “section 2323 of title 10, United States  
5 Code, or”.

6 (iv) Section 10004(a)(1) of the Fed-  
7 eral Acquisition Streamlining Act of 1994  
8 (41 U.S.C. 1122 note) is amended by  
9 striking “section 2323 of title 10, United  
10 States Code, or”.

11 (v) Section 2304(b)(2) of title 10,  
12 United States Code, is amended by strik-  
13 ing “and concerns other than” and all that  
14 follows through “this title”.

15 (vi) Section 2304e(b) of title 10,  
16 United States Code, is amended—

17 (I) by striking “other than—”  
18 and all that follows through “small”  
19 and inserting “other than small”;

20 (II) by striking “; or” and insert-  
21 ing a period; and

22 (III) by striking paragraph (2).

23 (vii) Section 2323a(a) of title 10,  
24 United States Code, is amended by strik-  
25 ing “section 2323 of this title and”.

1 (viii) Section 15 of the Small Business  
2 Act (15 U.S.C. 644) is amended—

3 (I) in subsection (j)(3), by strik-  
4 ing “section 2323 of title 10, United  
5 States Code,”;

6 (II) in subsection (k)(10)—

7 (aa) by striking “or section  
8 2323 of title 10, United States  
9 Code,” and all that follows  
10 through “subsection (m),”; and

11 (bb) by striking “subsection  
12 (a),” and inserting “subsection  
13 (a) or”; and

14 (III) by amending subsection (m)  
15 to read as follows:

16 “(m) ADDITIONAL DUTIES OF PROCUREMENT CEN-  
17 TER REPRESENTATIVES.—All procurement center rep-  
18 resentatives (including those referred to in subsection  
19 (k)(6)), in addition to such other duties as may be as-  
20 signed by the Administrator, shall increase, insofar as pos-  
21 sible, the number and dollar value of procurements that  
22 may be used for the programs established under this sec-  
23 tion and section 8(a).”.

1 (ix) Section 1902(b)(1) of title 41,  
2 United States Code, is amended by strik-  
3 ing “, section 2323 of title 10,”.

4 (3) SECTION 2332.—

5 (A) REPEAL.—Section 2332 of title 10,  
6 United States Code, is repealed.

7 (B) CLERICAL AMENDMENT.—The table of  
8 sections at the beginning of chapter 137 of such  
9 title is amended by striking the item relating to  
10 section 2332.

11 (b) OTHER PROVISIONS OF LAW.—The following pro-  
12 visions of law are repealed:

13 (1) Section 934 of the National Defense Au-  
14 thorization Act for Fiscal Year 2013 (Public Law  
15 112–239; 10 U.S.C. 2223a note).

16 (2) Section 804 of the National Defense Au-  
17 thorization Act for Fiscal Year 2010 (Public Law  
18 111–84; 10 U.S.C. 2223a note).

19 (3) Section 804 of the National Defense Au-  
20 thorization Act for Fiscal Year 2013 (Public Law  
21 112–239; 10 U.S.C. 2302 note).

22 (4) Section 829 of the National Defense Au-  
23 thorization Act for Fiscal Year 2013 (Public Law  
24 112–239; 10 U.S.C. 2302 note).

1           (5) Section 818(g) of the National Defense Au-  
2           thorization Act for Fiscal Year 2012 (Public Law  
3           112–81; 10 U.S.C. 2302 note).

4           (6) Section 815(b) of the National Defense Au-  
5           thorization Act for Fiscal Year 2008 (Public Law  
6           110–181; 10 U.S.C. 2302 note).

7           (7) Section 141 of the Ronald W. Reagan Na-  
8           tional Defense Authorization Act for Fiscal Year  
9           2005 (Public Law 108–375; 10 U.S.C. 2302 note).

10          (8) Section 801(b) of the National Defense Au-  
11          thorization Act for Fiscal Year 2004 (Public Law  
12          108–136; 10 U.S.C. 2302 note).

13          (9) Section 352 of the Bob Stump National De-  
14          fense Authorization Act for Fiscal Year 2003 (Pub-  
15          lic Law 107–314; 10 U.S.C. 2302 note).

16          (10) Section 9004 of the Department of De-  
17          fense Appropriations Act, 1990 (Public Law 101–  
18          165; 10 U.S.C. 2302 note).

19          (11) Section 802 of the Duncan Hunter Na-  
20          tional Defense Authorization Act for Fiscal Year  
21          2009 (Public Law 110–417; 10 U.S.C. 2304 note).

22          (12) Section 813 of the John Warner National  
23          Defense Authorization Act for Fiscal Year 2007  
24          (Public Law 109–364; 10 U.S.C. 2304 note).

1           (13) Section 391 of the National Defense Au-  
2           thorization Act for Fiscal Year 1998 (Public Law  
3           105–85; 10 U.S.C. 2304 note).

4           (14) Section 927(b) of Public Laws 99–500,  
5           99–591, and 99–661 (10 U.S.C. 2304 note).

6           (15) Section 1222(b) of the National Defense  
7           Authorization Act for Fiscal Year 1987 (Public Law  
8           99–661; 10 U.S.C. 2304 note).

9           (16) Section 814(b) of the National Defense  
10          Authorization Act for Fiscal Year 2010 (Public Law  
11          111–84; 10 U.S.C. 2304a note).

12          (17) Section 834 of the John Warner National  
13          Defense Authorization Act for Fiscal Year 2007  
14          (Public Law 109–364; 10 U.S.C. 2304b note).

15          (18) Section 803 of the Strom Thurmond Na-  
16          tional Defense Authorization Act for Fiscal Year  
17          1999 (Public Law 105–261; 10 U.S.C. 2306a note).

18          (19) Section 1075 of the National Defense Au-  
19          thorization Act for Fiscal Year 1995 (Public Law  
20          103–337; 10 U.S.C. 2315 note).

21          (20) Section 818 of the National Defense Au-  
22          thorization Act for Fiscal Year 1995 (Public Law  
23          103–337; 10 U.S.C. 2324 note).

1           (21) Sections 908(a), (b), (c), and (e) of Public  
2       Laws 99–500, 99–591, and 99–661 (10 U.S.C.  
3       2326 note).

4           (22) Section 807 of the National Defense Au-  
5       thorization Act for Fiscal Year 2012 (Public Law  
6       112–81; 10 U.S.C. 2330 note).

7           (23) Section 808(d) of the National Defense  
8       Authorization Act for Fiscal Year 2008 (Public Law  
9       110–181; 10 U.S.C. 2330 note).

10          (24) Section 812(b)–(c) of the National Defense  
11       Authorization Act for Fiscal Year 2006 (Public Law  
12       109–163; 10 U.S.C. 2330 note).

13          (25) Section 801(d)–(f) of the National Defense  
14       Authorization Act for Fiscal Year 2002 (Public Law  
15       107–107; 10 U.S.C. 2330 note).

16          (26) Section 802 of the National Defense Au-  
17       thorization Act for Fiscal Year 2002 (Public Law  
18       107–107; 10 U.S.C. 2330 note).

19          (27) Section 831 of the Duncan Hunter Na-  
20       tional Defense Authorization Act for Fiscal Year  
21       2009 (Public Law 110–417; 10 U.S.C. 2330a note).

22          (28) Section 1032 of the Bob Stump National  
23       Defense Authorization Act for Fiscal Year 2003  
24       (Public Law 107–314; 10 U.S.C. 2358 note).

1           (29) Section 241 of the Bob Stump National  
2           Defense Authorization Act for Fiscal Year 2003  
3           (Public Law 107–314; 10 U.S.C. 2358 note).

4           (30) Section 913(b) of the National Defense  
5           Authorization Act for Fiscal Year 2000 (Public Law  
6           106–65; 10 U.S.C. 2364 note).

7           (31) Sections 234(a) and (b) of the National  
8           Defense Authorization Act for Fiscal Year 1987  
9           (Public Law 99–661; 10 U.S.C. 2364 note).

10          (32) Section 943(b) of the National Defense  
11          Authorization Act for Fiscal Year 2008 (Public Law  
12          110–181; 10 U.S.C. 2366a note).

13          (33) Section 801 of the National Defense Au-  
14          thorization Act for Fiscal Year 1990 (Public Law  
15          101–189; 10 U.S.C. 2399 note).

16          (34) Section 8133 of the Department of De-  
17          fense Appropriations Act, 2000 (Public Law 106–  
18          79; 10 U.S.C. 2401a note).

19          (35) Section 807(b) of the John Warner Na-  
20          tional Defense Authorization Act for Fiscal Year  
21          2007 (Public Law 109–364; 10 U.S.C. 2410p note).

22          (36) Section 1058 of the Carl Levin and How-  
23          ard P. “Buck” McKeon National Defense Authoriza-  
24          tion Act for Fiscal Year 2015 (Public Law 113–291;  
25          10 U.S.C. 2430 note).

1           (37) Section 838 of the National Defense Au-  
2           thorization Act for Fiscal Year 1994 (Public Law  
3           103–160; 10 U.S.C. 2430 note).

4           (38) Section 809 of the National Defense Au-  
5           thorization Act for Fiscal Year 1991 (Public Law  
6           101–510; 10 U.S.C. 2430 note).

7           (39) Section 833 of the National Defense Au-  
8           thorization Act for Fiscal Year 1994 (Public Law  
9           103–160; 10 U.S.C. 2430 note).

10          (40) Section 839 of the National Defense Au-  
11          thorization Act for Fiscal Year 1994 (Public Law  
12          103–160; 10 U.S.C. 2430 note).

13          (41) Section 819 of the National Defense Au-  
14          thorization Act for Fiscal Year 1995 (Public Law  
15          103–337; 10 U.S.C. 2430 note).

16          (42) Section 5064 of the Federal Acquisition  
17          Streamlining Act of 1994 (Public Law 103–355; 10  
18          U.S.C. 2430 note).

19          (43) Section 803 of the National Defense Au-  
20          thorization Act for Fiscal Year 1997 (Public Law  
21          104–201; 10 U.S.C. 2430 note).

22          (44) Section 328 of the National Defense Au-  
23          thorization Act for Fiscal Year 2010 (Public Law  
24          111–84; 10 U.S.C. 2458 note).

1           (45) Section 347 of the Strom Thurmond Na-  
2           tional Defense Authorization Act for Fiscal Year  
3           1999 (Public Law 105–261; 10 U.S.C. 2458 note).

4           (46) Section 349 of the Strom Thurmond Na-  
5           tional Defense Authorization Act for Fiscal Year  
6           1999 (Public Law 105–261; 10 U.S.C. 2458 note).

7           (47) Section 395 of the National Defense Au-  
8           thorization Act for Fiscal Year 1998 (Public Law  
9           105–85; 10 U.S.C. 2458 note).

10          (48) Section 325 of the Ronald W. Reagan Na-  
11          tional Defense Authorization Act for Fiscal Year  
12          2005 (Public Law 108–375; 10 U.S.C. 2461 note).

13          (49) Section 336 of the National Defense Au-  
14          thorization Act for Fiscal Year 2004 (Public Law  
15          108–136; 10 U.S.C. 2461 note).

16          (50) Section 353(a) of the National Defense  
17          Authorization Act for Fiscal Year 1996 (Public Law  
18          104–106; 10 U.S.C. 2461 note).

19          (51) Section 353(b) of the National Defense  
20          Authorization Act for Fiscal Year 1996 (Public Law  
21          104–106; 10 U.S.C. 2461 note).

22          (52) Section 356 of the National Defense Au-  
23          thorization Act for Fiscal Year 1996 (Public Law  
24          104–106; 10 U.S.C. 2461 note).

1           (53) Section 1010 of the USA Patriot Act of  
2           2001 (Public Law 107–56; 10 U.S.C. 2465 note).

3           (54) Section 4101 of the National Defense Au-  
4           thorization Act for Fiscal Year 1993 (Public Law  
5           102–484; 10 U.S.C. 2500 note).

6           (55) Section 852 of the National Defense Au-  
7           thorization Act for Fiscal Year 2012 (Public Law  
8           112–81; 10 U.S.C. 2504 note).

9           (56) Section 823 of the National Defense Au-  
10          thorization Act for Fiscal Year 2004 (Public Law  
11          108–136; 10 U.S.C. 2521 note).

12          (57) Section 823 of the Ike Skelton National  
13          Defense Authorization Act for Fiscal Year 2011  
14          (Public Law 111–383; 10 U.S.C. 2533b note).

15          (58) Section 804(h) of the National Defense  
16          Authorization Act for Fiscal Year 2008 (Public Law  
17          110–181; 10 U.S.C. 2533b note).

18          (59) Section 842(b) of the John Warner Na-  
19          tional Defense Authorization Act for Fiscal Year  
20          2007 (Public Law 109–364; 10 U.S.C. 2533b note).

21          (60) Section 343 of the Floyd D. Spence Na-  
22          tional Defense Authorization Act for Fiscal Year  
23          2001 (as enacted into law by Public Law 106–398;  
24          10 U.S.C. 4551 note).

1 **SEC. 813. REPEAL OF CERTAIN DEPARTMENT OF DEFENSE**  
2 **REPORTING REQUIREMENTS.**

3 (a) AMENDMENTS TO TITLE 10, UNITED STATES  
4 CODE.—Title 10, United States Code, is amended as fol-  
5 lows:

6 (1) SECTION 231A.—

7 (A) REPEAL.—Section 231a is repealed.

8 (B) CLERICAL AMENDMENT.—The table of  
9 sections at the beginning of chapter 9 is amend-  
10 ed by striking the item relating to section 231a.

11 (2) SECTION 2276.—Section 2276 is amended  
12 by striking subsection (e).

13 (b) NDAA FOR FY 2008.—The National Defense  
14 Authorization Act for Fiscal Year 2008 (Public Law 110–  
15 181) is amended—

16 (1) in section 911(f) (10 U.S.C. 2271 note)—

17 (A) in the subsection heading, by striking  
18 “; BIENNIAL UPDATE”;

19 (B) in paragraph (3), by striking “, and  
20 each update required by paragraph (2),”; and

21 (C) by striking paragraph (2) and redesignig-  
22 nating paragraph (3) as paragraph (2); and

23 (2) in section 1034—

24 (A) by striking subsection (d); and

25 (B) by redesignating subsection (e) as sub-  
26 section (d).

1 (c) NDAA FOR FY 2009.—Section 1047(d) of the  
2 Duncan Hunter National Defense Authorization Act for  
3 Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2366b  
4 note) is amended—

5 (1) in the subsection heading, by striking  
6 “BANDWIDTH” and all that follows through “The  
7 Secretary” and inserting “BANDWIDTH REQUIRE-  
8 MENTS.—The Secretary”; and

9 (2) by striking paragraph (2).

10 (d) NDAA FOR FY 2010.—Section 1244 of the Na-  
11 tional Defense Authorization Act for Fiscal Year 2010  
12 (Public Law 111–84; 22 U.S.C. 1928 note) is amended  
13 by striking subsection (d).

14 (e) NDAA FOR FY 2011.—Section 1217 of the Ike  
15 Skelton National Defense Authorization Act for Fiscal  
16 Year 2011 (Public Law 111–383; 22 U.S.C. 7513 note)  
17 is amended by striking subsection (i).

18 (f) NDAA FOR FY 2013.—Section 524 of the Na-  
19 tional Defense Authorization Act for Fiscal Year 2013  
20 (Public Law 112–239; 126 Stat. 1723; 10 U.S.C. 1222  
21 note) is amended by striking subsection (c).

22 (g) NDAA FOR FY 2015.—Section 1026(d) of the  
23 Carl Levin and Howard P. “Buck” McKeon National De-  
24 fense Authorization Act for Fiscal Year 2015 (Public Law  
25 113–291; 128 Stat. 3490) is repealed.

1 (h) MILITARY CONSTRUCTION AUTHORIZATION ACT,  
2 1982.—Section 703 of the Military Construction Author-  
3 ization Act, 1982 (Public Law 97–99; 95 Stat. 1376) is  
4 amended by striking subsection (g).

5 (i) CONFORMING AMENDMENTS.—

6 (1) NDAA FOR FY 2017.—Section 1061 of the  
7 National Defense Authorization Act for Fiscal Year  
8 2017 (Public Law 114–328; 10 U.S.C. 111 note) is  
9 amended—

10 (A) in subsection (e), by striking para-  
11 graphs (16) and (41);

12 (B) in subsection (d), by striking para-  
13 graph (3);

14 (C) in subsection (f), by striking para-  
15 graph (1);

16 (D) in subsection (g), by striking para-  
17 graph (3);

18 (E) in subsection (h), by striking para-  
19 graph (3); and

20 (F) in subsection (i), by striking para-  
21 graphs (15), (17), and (24).

22 (2) NDAA FOR FY 2000.—Section 1031 of the  
23 National Defense Authorization Act for Fiscal Year  
24 2000 (Public Law 106–65; 113 Stat. 749; 31 U.S.C.  
25 1113 note) is amended by striking paragraph (32).

1 **Subtitle B—Amendments to Gen-**  
2 **eral Contracting Authorities,**  
3 **Procedures, and Limitations**

4 **SEC. 816. MODIFICATION OF LIMITATIONS ON SINGLE**  
5 **SOURCE TASK OR DELIVERY ORDER CON-**  
6 **TRACTS.**

7 Section 2304a(d)(3)(A) of title 10, United States  
8 Code, is amended by striking “reasonably perform the  
9 work” and inserting “efficiently perform the work”.

10 **SEC. 817. PRELIMINARY COST ANALYSIS REQUIREMENT**  
11 **FOR EXERCISE OF MULTIYEAR CONTRACT**  
12 **AUTHORITY.**

13 Section 2306b(i)(2)(B) of title 10, United States  
14 Code, is amended—

15 (1) by striking “made after the completion of a  
16 cost analysis” and inserting “supported by a prelimi-  
17 nary cost analysis”; and

18 (2) by striking “for the purpose of section  
19 2334(e)(1) of this title, and that the analysis sup-  
20 ports those preliminary findings”.

21 **SEC. 818. REVISION OF REQUIREMENT TO SUBMIT INFOR-**  
22 **MATION ON SERVICES CONTRACTS TO CON-**  
23 **GRESS.**

24 (a) REVISION.—Section 2329(b) of title 10, United  
25 States Code, is amended—

1 (1) by striking “October 1, 2022” and inserting  
2 “October 1, 2021”; and

3 (2) in paragraph (1)—

4 (A) by striking “at or about” and inserting  
5 “at or before”; and

6 (B) by inserting “or on the date on which  
7 the future-years defense program is submitted  
8 to Congress under section 221 of this title”  
9 after “title 31”;

10 (3) in paragraph (3), by striking “and” at the  
11 end;

12 (4) in paragraph (4), by striking the period at  
13 the end and inserting “; and”; and

14 (5) by adding at the end the following new  
15 paragraph:

16 “(5) be included in the future-years defense  
17 program submitted to Congress under section 221 of  
18 this title.”.

19 (b) BRIEFING REQUIREMENT ON SERVICES CON-  
20 TRACTS.—Not later than 180 days after the date of the  
21 enactment of this Act, and every 180 days thereafter until  
22 the requirements of section 2329(b) of title 10, United  
23 States Code, are met, the Under Secretary of Defense for  
24 Acquisition and Sustainment shall brief the congressional  
25 defense committees on the progress of Department of De-

1 fense efforts to meet the requirements of such section, in-  
2 cluding relevant information on the methodology and im-  
3 plementation plans for future compliance.

4 **SEC. 819. DATA COLLECTION AND INVENTORY FOR SERV-**  
5 **ICES CONTRACTS.**

6 Section 2330a of title 10, United States Code, is  
7 amended in subsection (c)(1)—

8 (1) by inserting “and contracts closely associ-  
9 ated with inherently governmental functions” after  
10 “staff augmentation contracts”; and

11 (2) by striking “Under Secretary of Defense for  
12 Acquisition, Technology, and Logistics” each place it  
13 appears and inserting “Under Secretary of Defense  
14 for Acquisition and Sustainment”.

15 **SEC. 820. REPORT ON CLARIFICATION OF SERVICES CON-**  
16 **TRACTING DEFINITIONS.**

17 Not later than 180 days after the date of the enact-  
18 ment of this Act, the Secretary of Defense shall submit  
19 to the congressional defense committees a report clarifying  
20 the definitions of and relationships between terms used by  
21 the Department of Defense related to services contracting,  
22 including the appropriate use of personal services con-  
23 tracts and nonpersonal services contracts, and the respon-  
24 sibilities of individuals in the acquisition workforce with  
25 respect to such contracts.

1 **SEC. 821. INCREASE IN MICRO-PURCHASE THRESHOLD AP-**  
2 **PLICABLE TO DEPARTMENT OF DEFENSE.**

3 (a) IN GENERAL.—Section 2338 of title 10, United  
4 States Code, is amended by striking “Notwithstanding  
5 subsection (a) of section 1902 of title 41, the micro-pur-  
6 chase threshold for the Department of Defense for pur-  
7 poses of such section is \$5,000” and inserting “The micro-  
8 purchase threshold for the Department of Defense is  
9 \$10,000”.

10 (b) CONFORMING AMENDMENT.—Section 1902(a)(1)  
11 of title 41, United States Code, is amended by striking  
12 “sections 2338 and 2339 of title 10 and”.

13 (c) REPEAL OF OBSOLETE AUTHORITY.—

14 (1) IN GENERAL.—Section 2339 of title 10,  
15 United States Code, is repealed.

16 (2) CLERICAL AMENDMENT.—The table of sec-  
17 tions at the beginning of chapter 137 of title 10,  
18 United States Code, is amended by striking the item  
19 relating to section 2339.

20 **SEC. 822. DEPARTMENT OF DEFENSE CONTRACTING DIS-**  
21 **PUTE MATTERS.**

22 (a) IN GENERAL.—Not later than 180 days after the  
23 date of the enactment of this Act, the Secretary of Defense  
24 shall carry out a study of the frequency and effects of bid  
25 protests involving the same contract award or proposed  
26 award that have been filed at both the Government Ac-

1 countability Office and the United States Court of Federal  
2 Claims. The study shall cover Department of Defense con-  
3 tracts and include, at a minimum—

4 (1) the number of protests that have been filed  
5 with both tribunals and results;

6 (2) the number of such protests where the tri-  
7 bunals differed in denying or sustaining the action;

8 (3) the length of time, in average time and me-  
9 dian time—

10 (A) from initial filing at the Government  
11 Accountability Office to decision in the United  
12 States Court of Federal Claims;

13 (B) from filing with each tribunal to deci-  
14 sion by such tribunal;

15 (C) from the time at which the basis of the  
16 protest is known to the time of filing in each  
17 tribunal; and

18 (D) in the case of an appeal from a deci-  
19 sion of the United States Court of Federal  
20 Claims, from the date of the initial filing of the  
21 appeal to decision in the appeal;

22 (4) the number of protests where performance  
23 was stayed or enjoined and for how long;

24 (5) if performance was stayed or enjoined,  
25 whether the requirement was obtained in the interim

1 through another vehicle or in-house, or whether dur-  
2 ing the period of the stay or enjoining the require-  
3 ment went unfulfilled;

4 (6) separately for each tribunal, the number of  
5 protests where performance was stayed or enjoined  
6 and monetary damages were awarded, which shall  
7 include for how long performance was stayed or en-  
8 joined and the amount of monetary damages;

9 (7) whether the protestor was a large or small  
10 business; and

11 (8) whether the protestor was the incumbent in  
12 a prior contract for the same or similar product or  
13 service.

14 (b) REPORT.—Not later than 180 days after the date  
15 of the enactment of this Act, the Secretary of Defense  
16 shall submit to the congressional defense committees, the  
17 Committee on the Judiciary of the Senate, and the Com-  
18 mittee on the Judiciary of the House of Representatives  
19 a report on the results of the study, along with related  
20 recommendations for improving the expediency of the bid  
21 protest process. In preparing the report, the Secretary  
22 shall consult with the Attorney General of the United  
23 States, the Comptroller General of the United States, and  
24 the United States Court of Federal Claims.

1           (c) ONGOING DATA COLLECTION.—Not later than  
2 270 days after the date of the enactment of this Act, the  
3 Secretary of Defense shall establish and continuously  
4 maintain a data repository to collect on an ongoing basis  
5 the information described in subsection (a) and any addi-  
6 tional relevant bid protest data the Secretary determines  
7 necessary and appropriate to allow the Department of De-  
8 fense, the Government Accountability Office, and the  
9 United States Court of Federal Claims to assess and re-  
10 view bid protests over time.

11           (d) ESTABLISHMENT OF EXPEDITED PROCESS FOR  
12 SMALL VALUE CONTRACTS.—

13           (1) IN GENERAL.—Not later than December 1,  
14 2019, the Secretary of Defense shall develop a plan  
15 and schedule for an expedited bid protest process for  
16 Department of Defense contracts with a value of less  
17 than \$100,000.

18           (2) CONSULTATION.—In carrying out para-  
19 graph (1), the Secretary of Defense may consult  
20 with the Government Accountability Office and the  
21 United States Court of Federal Claims to the extent  
22 such entities may establish a similar process at their  
23 election.

24           (3) REPORT.—Not later than May 1, 2019, the  
25 Secretary of Defense shall submit to the congress-

1 sional defense committees a report on the plan and  
2 schedule for implementation of the expedited bid  
3 protest process, which shall include a request for any  
4 additional authorities the Secretary determines ap-  
5 propriate for such efforts.

6 **SEC. 823. INCLUSION OF BEST AVAILABLE INFORMATION**  
7 **REGARDING PAST PERFORMANCE OF SUB-**  
8 **CONTRACTORS AND JOINT VENTURE PART-**  
9 **NERS.**

10 Not later than 180 days after the date of the enact-  
11 ment of this Act, the Secretary of Defense, in consultation  
12 with the Federal Acquisition Regulatory Council and the  
13 Administrator for Federal Procurement Policy, shall de-  
14 velop policies for the Department of Defense to ensure the  
15 best information regarding past performance of certain  
16 subcontractors and joint venture partners is available  
17 when awarding Department of Defense contracts. The  
18 policies shall include proposed revisions to the Defense  
19 Federal Acquisition Regulation Supplement as follows:

20 (1) Required performance evaluations, as part  
21 of a government-wide evaluation reporting tool, for  
22 first-tier subcontractors on construction and archi-  
23 tect-engineer contracts performing a portion of the  
24 contract valued at the threshold set forth in section  
25 42.1502(e) of the Federal Acquisition Regulation, or

1       20 percent of the value of the prime contract, which-  
2       ever is higher, provided—

3               (A) the information included in rating the  
4               subcontractor is not inconsistent with the infor-  
5               mation included in the rating for the prime con-  
6               tractor;

7               (B) the subcontractor evaluation is con-  
8               ducted consistent with the provisions of section  
9               42.15 of the Federal Acquisition Regulation;

10              (C) negative evaluations of a subcontractor  
11              in no way obviate the prime contractor's re-  
12              sponsibility for successful completion of the con-  
13              tract and management of its subcontractors;  
14              and

15              (D) that in the judgment of the con-  
16              tracting officer, the overall execution of the  
17              work is impacted by the performance of the  
18              subcontractor or subcontractors.

19              (2) Required performance evaluations, as part  
20              of a government-wide evaluation reporting tool, of  
21              individual partners of joint venture-awarded con-  
22              struction and architect-engineer contracts valued at  
23              the threshold set forth in section 42.1502(e) of the  
24              Federal Acquisition Regulation, to ensure that past  
25              performance on joint venture projects is considered

1 in future awards to individual joint venture partners,  
2 provided—

3 (A) at a minimum, the rating for joint ven-  
4 tures includes an identification that allows the  
5 evaluation to be retrieved for each partner of  
6 the joint venture;

7 (B) each partner, through the joint ven-  
8 ture, is given the same opportunity to submit  
9 comments, rebutting statements, or additional  
10 information, consistent with the provisions of  
11 section 42.15 of the Federal Acquisition Regu-  
12 lation; and

13 (C) the rating clearly identifies the respon-  
14 sibilities of joint venture partners for discrete  
15 elements of the work where the partners are not  
16 jointly and severally responsible for the project.

17 (3) Processes to request exceptions from the  
18 annual evaluation requirement under section  
19 42.1502(a) of the Federal Acquisition Regulation for  
20 construction and architect-engineer contracts where  
21 submission of the annual evaluations would not pro-  
22 vide the best representation of the performance of a  
23 contractor, including subcontractors and joint ven-  
24 ture partners, including—

1 (A) where no severable element of the work  
2 has been completed;

3 (B) where the contracting officer deter-  
4 mines that—

5 (i) an insubstantial portion of the con-  
6 tract work has been completed in the pre-  
7 ceding year; and

8 (ii) the lack of performance is at no  
9 fault to the contractor; or

10 (C) where the contracting officer deter-  
11 mines that there is an issue in dispute which,  
12 until resolved, would likely cause the annual  
13 rating to inaccurately reflect the past perform-  
14 ance of the contractor.

15 **SEC. 824. SUBCONTRACTING PRICE AND APPROVED PUR-**  
16 **CHASING SYSTEMS.**

17 (a) AMENDMENT.—Section 893 of the Ike Skelton  
18 National Defense Authorization Act for Fiscal Year 2011  
19 (Public Law 111–383; 10 U.S.C. 2302 note) is amend-  
20 ed—

21 (1) in subsection (g), by adding at the end the  
22 following new paragraph:

23 “(5) The term ‘approved purchasing system’  
24 has the meaning given the term in section 44.101 of

1 the Federal Acquisition Regulation (or any similar  
2 regulation).”; and

3 (2) by adding at the end the following new sub-  
4 section:

5 “(i) CONSENT TO SUBCONTRACT.—If the contractor  
6 on a Department of Defense contract requiring a con-  
7 tracting officer’s written consent prior to the contractor  
8 entering into a subcontract has an approved purchasing  
9 system, the contracting officer may not withhold such con-  
10 sent without the written approval of the program man-  
11 ager.”.

12 (b) CONFORMING REGULATIONS.—Not later than  
13 120 days after the date of the enactment of this Act, the  
14 Secretary of Defense shall revise the Defense Federal Ac-  
15 quisition Regulation Supplement to conform with the  
16 amendments to section 893 of the Ike Skelton National  
17 Defense Authorization Act for Fiscal Year 2011 (Public  
18 Law 111–383; 10 U.S.C. 2302 note) made by this section.

19 **SEC. 825. MODIFICATION OF CRITERIA FOR WAIVERS OF**  
20 **REQUIREMENT FOR CERTIFIED COST AND**  
21 **PRICE DATA.**

22 Section 817(b)(2) of the Bob Stump National De-  
23 fense Authorization Act for Fiscal Year 2003 (Public Law  
24 107–314; 10 U.S.C. 2306a note) is amended by striking  
25 “; and” and inserting “; or”.

1 **Subtitle C—Provisions Relating to**  
2 **Major Defense Acquisition Pro-**  
3 **grams**

4 **SEC. 831. REVISIONS IN AUTHORITY RELATING TO PRO-**  
5 **GRAM COST TARGETS AND FIELDING TAR-**  
6 **GETS FOR MAJOR DEFENSE ACQUISITION**  
7 **PROGRAMS.**

8 (a) REVISIONS IN AUTHORITY RELATING TO PRO-  
9 GRAM COST AND FIELDING TARGETS.—Section 2448a of  
10 title 10, United States Code, is amended—

11 (1) in subsection (a), by striking “Secretary of  
12 Defense” and inserting “designated milestone deci-  
13 sion authority for the program”;

14 (2) by striking “the milestone decision author-  
15 ity for the major defense acquisition program ap-  
16 proves a program that” and inserting “the pro-  
17 gram”;

18 (3) by striking subsection (b); and

19 (4) by redesignating subsection (c) as sub-  
20 section (b).

21 (b) CONFORMING AMENDMENTS.—

22 (1) Section 181(b) of title 10, United States  
23 Code, is amended—

24 (A) by striking paragraph (3); and

1 (B) by redesignating paragraphs (4), (5),  
2 (6), and (7) as paragraphs (3), (4), (5), and  
3 (6), respectively.

4 (2) Section 2366a(c)(1)(A) of such title is  
5 amended by striking “by the Secretary of Defense”.

6 (3) Section 2366b of such title is amended—

7 (A) in subsection (a)(3)(D), by striking  
8 “Secretary of Defense after a request for such  
9 increase or delay by the”; and

10 (B) in subsection (c)(1)(A), by striking  
11 “by the Secretary of Defense”.

12 (4) Section 925(b)(1) of the National Defense  
13 Authorization Act for Fiscal Year 2017 (Public Law  
14 114–328; 130 Stat. 2361; 10 U.S.C. 2448a note) is  
15 amended by striking “Deputy Secretary of Defense  
16 and the Vice Chairman of the Joint Chiefs of Staff”  
17 and inserting “designated milestone decision author-  
18 ity for the major defense acquisition program and  
19 the Vice Chief of Staff of the armed force concerned  
20 or, in the case of a program for which an alternate  
21 milestone decision authority is designated under sec-  
22 tion 2430(d)(2) of such title, the Vice Chairman of  
23 the Joint Chiefs of Staff”.

1 **SEC. 832. IMPLEMENTATION OF RECOMMENDATIONS OF**  
2 **THE INDEPENDENT STUDY ON CONSIDER-**  
3 **ATION OF SUSTAINMENT IN WEAPONS SYS-**  
4 **TEMS LIFE CYCLE.**

5 (a) IMPLEMENTATION REQUIRED.—Not later than  
6 18 months after the date of the enactment of this Act,  
7 the Secretary of Defense shall, except as provided under  
8 subsection (b), commence implementation of each rec-  
9 ommendation submitted as part of the independent assess-  
10 ment produced under section 844 of the National Defense  
11 Authorization Act for Fiscal Year 2017 (Public Law 114–  
12 328; 130 Stat. 2290).

13 (b) EXCEPTIONS.—

14 (1) DELAYED IMPLEMENTATION.—The Sec-  
15 retary of Defense may commence implementation of  
16 a recommendation described under subsection (a)  
17 later than the date required under such subsection  
18 if the Secretary provides the congressional defense  
19 committees with a specific justification for the delay  
20 in implementation of such recommendation.

21 (2) NONIMPLEMENTATION.—The Secretary of  
22 Defense may opt not to implement a recommenda-  
23 tion described under subsection (a) if the Secretary  
24 provides to the congressional defense committees—

25 (A) the reasons for the decision not to im-  
26 plement the recommendation; and

1 (B) a summary of the alternative actions  
2 the Secretary plans to take to address the pur-  
3 poses underlying the recommendation.

4 (c) IMPLEMENTATION PLANS.—For each rec-  
5 ommendation that the Secretary is implementing, or that  
6 the Secretary plans to implement, the Secretary shall sub-  
7 mit to the congressional defense committees—

8 (1) a summary of actions that have been taken  
9 to implement the recommendation; and

10 (2) a schedule, with specific milestones, for  
11 completing the implementation of the recommenda-  
12 tion.

13 **SEC. 833. COMPTROLLER GENERAL ASSESSMENT OF AC-**  
14 **QUISITION PROGRAMS AND RELATED INITIA-**  
15 **TIVES.**

16 (a) IN GENERAL.—Chapter 131 of title 10, United  
17 States Code, is amended by adding at the end the fol-  
18 lowing new section:

19 **“§ 2229b. Comptroller General assessment of acquisi-**  
20 **tion programs and initiatives**

21 **“(a) ASSESSMENT REQUIRED.—**The Comptroller  
22 General of the United States shall submit to the congress-  
23 sional defense committees an annual assessment of se-  
24 lected acquisition programs and initiatives of the Depart-

1 ment of Defense by March 30th of each year from 2020  
2 through 2023.

3 “(b) ANALYSES TO BE INCLUDED.—The assessment  
4 required under subsection (a) shall include—

5 “(1) a macro analysis of how well acquisition  
6 programs and initiatives are performing and reasons  
7 for that performance;

8 “(2) a summary of organizational and legisla-  
9 tive changes and emerging assessment methodologies  
10 since the last assessment, and a discussion of the  
11 implications for execution and oversight of programs  
12 and initiatives; and

13 “(3) specific analyses of individual acquisition  
14 programs and initiatives.

15 “(c) ACQUISITION PROGRAMS AND INITIATIVES TO  
16 BE CONSIDERED.—The assessment required under sub-  
17 section (a) shall consider the following programs and ini-  
18 tiatives:

19 “(1) Selected weapon systems, as determined  
20 appropriate by the Comptroller General.

21 “(2) Selected information technology systems  
22 and initiatives, including defense business systems,  
23 networks, and software-intensive systems, as deter-  
24 mined appropriate by the Comptroller General.

1           “(3) Selected prototyping and rapid fielding ac-  
2           tivities and initiatives, as determined appropriate by  
3           the Comptroller General.”.

4           (b) CLERICAL AMENDMENT.—The table of sections  
5           at the beginning of such chapter is amended by inserting  
6           after the item relating to section 2229a the following new  
7           item:

          “2229b. Comptroller General assessment of acquisition programs and related  
          initiatives.”.

8           (c) REPEAL OF SUPERSEDED AUTHORITY.—Section  
9           883(d) of the National Defense Authorization Act for Fis-  
10          cal Year 2016 (Public Law 114–92; 10 U.S.C. 2222 note)  
11          is amended by striking paragraph (1), effective on Janu-  
12          ary 1, 2020.

## 13       **Subtitle D—Provisions Relating to** 14       **Commercial Items**

### 15       **SEC. 836. REVISION OF DEFINITION OF COMMERCIAL ITEM** 16       **FOR PURPOSES OF FEDERAL ACQUISITION** 17       **STATUTES.**

18          (a) DEFINITIONS IN CHAPTER 1 OF TITLE 41,  
19          UNITED STATES CODE.—

20               (1) SEPARATION OF “COMMERCIAL ITEM” DEF-  
21               INITION INTO DEFINITIONS OF “COMMERCIAL PROD-  
22               UCT” AND “COMMERCIAL SERVICE”.—Chapter 1 of  
23               title 41, United States Code, is amended by striking  
24               section 103 and inserting the following new sections:

1 **“§ 103. Commercial product**

2 “In this subtitle, the term ‘commercial product’  
3 means any of the following:

4 “(1) A product, other than real property,  
5 that—

6 “(A) is of a type customarily used by the  
7 general public or by nongovernmental entities  
8 for purposes other than governmental purposes;  
9 and

10 “(B) has been sold, leased, or licensed, or  
11 offered for sale, lease, or license, to the general  
12 public.

13 “(2) A product that—

14 “(A) evolved from a product described in  
15 paragraph (1) through advances in technology  
16 or performance; and

17 “(B) is not yet available in the commercial  
18 marketplace but will be available in the com-  
19 mercial marketplace in time to satisfy the deliv-  
20 ery requirements under a Federal Government  
21 solicitation.

22 “(3) A product that would satisfy the criteria in  
23 paragraph (1) or (2) were it not for—

24 “(A) modifications of a type customarily  
25 available in the commercial marketplace; or

1           “(B) minor modifications made to meet  
2           Federal Government requirements.

3           “(4) Any combination of products meeting the  
4           requirements of paragraph (1), (2), or (3) that are  
5           of a type customarily combined and sold in combina-  
6           tion to the general public.

7           “(5) A product, or combination of products, re-  
8           ferred to in paragraphs (1) through (4), even though  
9           the product, or combination of products, is trans-  
10          ferred between or among separate divisions, subsidi-  
11          aries, or affiliates of a contractor.

12          “(6) A nondevelopmental item if the procuring  
13          agency determines, in accordance with conditions in  
14          the Federal Acquisition Regulation, that—

15                 “(A) the product was developed exclusively  
16                 at private expense; and

17                 “(B) has been sold in substantial quan-  
18                 tities, on a competitive basis, to multiple State  
19                 and local governments or to multiple foreign  
20                 governments.

21         **“§ 103a. Commercial service**

22                 “‘In this subtitle, the term ‘commercial service’ means  
23                 any of the following:

1           “(1) Installation services, maintenance services,  
2           repair services, training services, and other services  
3           if—

4                   “(A) those services are procured for sup-  
5                   port of a commercial product, regardless of  
6                   whether the services are provided by the same  
7                   source or at the same time as the commercial  
8                   product; and

9                   “(B) the source of the services provides  
10                  similar services contemporaneously to the gen-  
11                  eral public under terms and conditions similar  
12                  to those offered to the Federal Government;

13               “(2) Services of a type offered and sold com-  
14               petitively, in substantial quantities, in the commer-  
15               cial marketplace—

16                   “(A) based on established catalog or mar-  
17                   ket prices;

18                   “(B) for specific tasks performed or spe-  
19                   cific outcomes to be achieved; and

20                   “(C) under standard commercial terms and  
21                   conditions.

22               “(3) A service described in paragraph (1) or  
23               (2), even though the service is transferred between  
24               or among separate divisions, subsidiaries, or affili-  
25               ates of a contractor.”.

1           (2) CONFORMING AMENDMENTS TO TITLE 41  
2       DEFINITIONS.—

3           (A) DEFINITION OF COMMERCIAL COMPO-  
4       NENT.—Section 102 of such title is amended by  
5       striking “commercial item” and inserting “com-  
6       mercial product”.

7           (B) DEFINITION OF COMMERCIALY  
8       AVAILABLE OFF-THE-SHELF ITEM.—Section  
9       104(1)(A) is amended by striking “commercial  
10      item” and inserting “commercial product”.

11          (C) DEFINITION OF NONDEVELOPMENTAL  
12      ITEM.—Section 110(1) of such title is amended  
13      by striking “commercial item” and inserting  
14      “commercial product”.

15          (3) CLERICAL AMENDMENT.—The table of sec-  
16      tions at the beginning of chapter 1 of title 41,  
17      United States Code, is amended by striking the item  
18      relating to section 103 and inserting the following  
19      new items:

    “103. Commercial product.  
    “103a. Commercial service.”.

20          (b) CONFORMING AMENDMENTS TO OTHER PROVI-  
21      SIONS OF TITLE 41, UNITED STATES CODE.—Title 41,  
22      United States Code, is further amended as follows:

23          (1) Section 1502(b) is amended—

1 (A) in paragraph (1)(A), by striking “com-  
2 mercial items” and inserting “commercial prod-  
3 ucts or commercial services”;

4 (B) in paragraph (1)(C)(i), by striking  
5 “commercial item” and inserting “commercial  
6 product or commercial service”; and

7 (C) in paragraph (3)(A)(i), by striking  
8 “commercial items” and inserting “commercial  
9 products or commercial services”.

10 (2) Section 1705(c) is amended by striking  
11 “commercial items” and inserting “commercial prod-  
12 ucts and commercial services”.

13 (3) Section 1708 is amended by striking “com-  
14 mercial items” in subsections (c)(6) and (e)(3) and  
15 inserting “commercial products or commercial serv-  
16 ices”.

17 (4) Section 1901 is amended—

18 (A) in subsection (a)(2), by striking “com-  
19 mercial items” and inserting “commercial prod-  
20 ucts or commercial services”; and

21 (B) in subsection (e)—

22 (i) by striking “COMMERCIAL ITEMS”  
23 in the subsection heading and inserting  
24 “COMMERCIAL PRODUCTS AND COMMER-  
25 CIAL SERVICES”; and

1                   (ii) by striking “commercial items”  
2                   and inserting “commercial products or  
3                   commercial services”.

4           (5) Section 1903(c) is amended—

5                   (A) in the subsection heading, by striking  
6                   “COMMERCIAL ITEM” and inserting “COMMER-  
7                   CIAL PRODUCT OR COMMERCIAL SERVICE”;

8                   (B) in paragraph (1), by striking “as a  
9                   commercial item” and inserting “as a commer-  
10                  cial product or a commercial service”; and

11                  (C) in paragraph (2), by striking “for an  
12                  item or service treated as a commercial item”  
13                  and inserting “for a product or service treated  
14                  as a commercial product or a commercial serv-  
15                  ice”.

16           (6)(A) Section 1906 is amended by striking  
17           “commercial items” each place it appears in sub-  
18           sections (b), (c), and (d) and inserting “commercial  
19           products or commercial services”.

20                  (B)(i) The heading of such section is amended  
21                  to read as follows:

1 **“§ 1906. List of laws inapplicable to procurements of**  
2 **commercial products and commercial**  
3 **services”.**

4 (ii) The table of sections at the beginning of  
5 chapter 19 is amended by striking the item relating  
6 to section 1906 and inserting the following new  
7 item:

“1906. List of laws inapplicable to procurements of commercial products and  
commercial services.”.

8 (7) Section 3304 is amended by striking “com-  
9 mercial item” in subsections (a)(5) and (e)(4)(B)  
10 and inserting “commercial product”.

11 (8) Section 3305(a)(2) is amended by striking  
12 “commercial items” and inserting “commercial prod-  
13 ucts or commercial services”.

14 (9) Section 3306(b) is amended by striking  
15 “commercial items” and inserting “commercial prod-  
16 ucts or commercial services”.

17 (10)(A) Section 3307 is amended—

18 (i) in subsection (a)—

19 (I) by striking “COMMERCIAL ITEMS”  
20 in the subsection heading and inserting  
21 “COMMERCIAL PRODUCTS AND COMMER-  
22 CIAL SERVICES”;

23 (II) in paragraph (1), by striking  
24 “commercial items” and inserting “com-

1           mercial products and commercial services”;  
2           and

3                   (III) in paragraph (2), by striking “a  
4           commercial item” and inserting “a com-  
5           mercial product or commercial service”;

6           (ii) in subsection (b)—

7                   (I) in paragraph (2), by striking  
8           “commercial items or, to the extent that  
9           commercial items suitable to meet the ex-  
10          ecutive agency’s needs are not available,  
11          nondevelopmental items other than com-  
12          mercial items” and inserting “commercial  
13          services or commercial products or, to the  
14          extent that commercial products suitable to  
15          meet the executive agency’s needs are not  
16          available, nondevelopmental items other  
17          than commercial products”; and

18                  (II) in paragraph (3), by striking  
19          “commercial items and nondevelopmental  
20          items other than commercial items” and  
21          inserting “commercial services, commercial  
22          products, and nondevelopmental items  
23          other than commercial products”;

24          (iii) in subsection (c)—

1 (I) in paragraphs (1) and (2), by  
2 striking “commercial items or nondevelop-  
3 mental items other than commercial items”  
4 and inserting “commercial services or com-  
5 mercial products or nondevelopmental  
6 items other than commercial products”;

7 (II) in paragraphs (3) and (4), by  
8 striking “commercial items or, to the ex-  
9 tent that commercial items suitable to  
10 meet the executive agency’s needs are not  
11 available, nondevelopmental items other  
12 than commercial items” and inserting  
13 “commercial services or commercial prod-  
14 ucts or, to the extent that commercial  
15 products suitable to meet the executive  
16 agency’s needs are not available, non-  
17 developmental items other than commercial  
18 products”; and

19 (III) in paragraphs (5) and (6), by  
20 striking “commercial items” and inserting  
21 “commercial products and commercial  
22 services”;

23 (iv) in subsection (d)(2), by striking “com-  
24 mercial items or, to the extent that commercial  
25 items suitable to meet the executive agency’s

1 needs are not available, nondevelopmental items  
2 other than commercial items” and inserting  
3 “commercial services or commercial products  
4 or, to the extent that commercial products suit-  
5 able to meet the executive agency’s needs are  
6 not available, nondevelopmental items other  
7 than commercial products”; and

8 (v) in subsection (e)—

9 (I) in paragraph (1), by inserting  
10 “103a, 104,” after “sections 102, 103,”;

11 (II) in paragraph (2)(A), by striking  
12 “commercial items” and inserting “com-  
13 mercial products or commercial services”;

14 (III) in the first sentence of para-  
15 graph (2)(B), by striking “commercial end  
16 items” and inserting “end items that are  
17 commercial products”;

18 (IV) in paragraphs (2)(B)(i), (2)(C)(i)  
19 and (2)(D), by striking “commercial items  
20 or commercial components” and inserting  
21 “commercial products, commercial compo-  
22 nents, or commercial services”;

23 (V) in paragraph (2)(C), in the mat-  
24 ter preceding clause (i), by striking “com-

1           merchial items” and inserting “commercial  
2           products or commercial services”;

3                   (VI) in paragraph (4)(A), by striking  
4           “commercial items” and inserting “com-  
5           mercial products or commercial services”;

6                   (VII) in paragraph (4)(C)(i), by strik-  
7           ing “commercial item, as described in sec-  
8           tion 103(5)” and inserting “commercial  
9           product, as described in section 103a(1)”;  
10          and

11                   (VIII) in paragraph (5), by striking  
12          “items” each place it appears and insert-  
13          ing “products”.

14           (B)(i) The heading of such section is amended  
15          to read as follows:

16        **“§ 3307. Preference for commercial products and**  
17                   **commercial services”.**

18           (ii) The table of sections at the beginning of  
19          chapter 33 is amended by striking the item relating  
20          to section 3307 and inserting the following new  
21          item:

          “3307. Preference for commercial products and commercial services.”.

22           (11) Section 3501 is amended—

23                   (A) in subsection (a)—

24                           (i) by striking paragraph (1);

1 (ii) by redesignating paragraphs (2)  
2 and (3) as paragraphs (1) and (2), respec-  
3 tively; and

4 (iii) in paragraph (2) (as so redesign-  
5 ated), by striking “commercial items”  
6 and inserting “commercial products or  
7 commercial services”; and

8 (B) in subsection (b)—

9 (i) by striking “ITEM” in the heading  
10 for paragraph (1); and

11 (ii) by striking “commercial items” in  
12 paragraphs (1) and (2)(A) and inserting  
13 “commercial services”.

14 (12) Section 3503 is amended—

15 (A) in subsection (a)(2), by striking “a  
16 commercial item” and inserting “a commercial  
17 product or a commercial service”; and

18 (B) in subsection (b)—

19 (i) by striking “COMMERCIAL ITEMS”  
20 in the subsection heading and inserting  
21 “COMMERCIAL PRODUCTS OR COMMER-  
22 CIAL SERVICES”; and

23 (ii) by striking “a commercial item”  
24 each place it appears and inserting “a

1 commercial product or a commercial serv-  
2 ice”.

3 (13) Section 3505(b) is amended by striking  
4 “commercial items” each place it appears and in-  
5 serting “commercial products or commercial serv-  
6 ices”.

7 (14) Section 3509(b) is amended by striking  
8 “commercial items” and inserting “commercial prod-  
9 ucts or commercial services”.

10 (15) Section 3704(c)(5) is amended by striking  
11 “commercial item” and inserting “commercial prod-  
12 uct”.

13 (16) Section 3901(b)(3) is amended by striking  
14 “commercial items” and inserting “commercial prod-  
15 ucts or commercial services”.

16 (17) Section 4301(2) is amended by striking  
17 “commercial items” and inserting “commercial prod-  
18 ucts or commercial services”.

19 (18)(A) Section 4505 is amended by striking  
20 “commercial items” in subsections (a) and (c) and  
21 inserting “commercial products or commercial serv-  
22 ices”.

23 (B)(i) The heading of such section is amended  
24 to read as follows:

1 **“§ 4505. Payments for commercial products and com-**  
2 **mercial services”.**

3 (ii) The table of sections at the beginning of  
4 chapter 45 is amended by striking the item relating  
5 to section 4505 and inserting the following new  
6 item:

“4505. Payments for commercial products and commercial services.”.

7 (19) Section 4704(d) is amended by striking  
8 “commercial items” both places it appears and in-  
9 serting “commercial products or commercial serv-  
10 ices”.

11 (20) Sections 8102(a)(1), 8703(d)(2), and  
12 8704(b) are amended by striking “commercial items  
13 (as defined in section 103 of this title)” and insert-  
14 ing “commercial products or commercial services (as  
15 defined in sections 103 and 103a, respectively, of  
16 this title)”.

17 (c) AMENDMENTS TO CHAPTER 137 OF TITLE 10,  
18 UNITED STATES CODE.—Chapter 137 of title 10, United  
19 States Code, is amended as follows:

20 (1) Section 2302(3) is amended—

21 (A) by redesignating subparagraphs (J),  
22 (K), and (L) as subparagraphs (K), (L), and  
23 (M); and

1 (B) by striking subparagraph (I) and in-  
2 serting the following new subparagraphs (I) and  
3 (J):

4 “(I) The term ‘commercial product’.

5 “(J) The term ‘commercial service’.”.

6 (2) Section 2304 is amended—

7 (A) in subsections (c)(5) and (f)(2)(B), by  
8 striking “brand-name commercial item” and in-  
9 serting “brand-name commercial product”;

10 (B) in subsection (g)(1)(B), by striking  
11 “commercial items” and inserting “commercial  
12 products or commercial services”; and

13 (C) in subsection (i)(3), by striking “com-  
14 mercial items” and inserting “commercial prod-  
15 ucts”.

16 (3) Section 2305 is amended—

17 (A) in subsection (a)(2), by striking “com-  
18 mercial items” and inserting “commercial prod-  
19 ucts or commercial services”; and

20 (B) in subsection (b)(5)(B)(v), by striking  
21 “commercial item” and inserting “commercial  
22 product”.

23 (4) Section 2306(b) is amended by striking  
24 “commercial items” and inserting “commercial prod-  
25 ucts or commercial services”.

1 (5) Section 2306a is amended—

2 (A) in subsection (b)—

3 (i) in paragraph (1)(B), by striking  
4 “a commercial item” and inserting “a com-  
5 mercial product or a commercial service”;

6 (ii) in paragraph (2)—

7 (I) by striking “COMMERCIAL  
8 ITEMS” in the paragraph heading and  
9 inserting “COMMERCIAL PRODUCTS  
10 OR COMMERCIAL SERVICES”; and

11 (II) by striking “commercial  
12 item” each place it appears and in-  
13 sserting “commercial product or com-  
14 mercial services”;

15 (iii) in paragraph (3)—

16 (I) by striking “COMMERCIAL  
17 ITEMS” in the paragraph heading and  
18 inserting “COMMERCIAL PRODUCTS”;  
19 and

20 (II) by striking “item” each place  
21 it appears and inserting “product”;  
22 and

23 (iv) in paragraph (4)—

24 (I) by striking “COMMERCIAL  
25 ITEM” in the paragraph heading and

1 inserting “COMMERCIAL PRODUCT OR  
2 COMMERCIAL SERVICE”;

3 (II) by striking “commercial  
4 item” in subparagraph (A) after “ap-  
5 plying the”;

6 (III) by striking “prior commer-  
7 cial item determination” in subpara-  
8 graph (A) and inserting “prior com-  
9 mercial product or commercial service  
10 determination”;

11 (IV) by striking “of such item”  
12 in subparagraph (A) and inserting “of  
13 such product or service”;

14 (V) by striking “of an item pre-  
15 viously determined to be a commercial  
16 item” in subparagraph (B) and insert-  
17 ing “of a product or service previously  
18 determined to be a commercial prod-  
19 uct or a commercial service”;

20 (VI) by striking “of a commercial  
21 item,” in subparagraph (B) and in-  
22 serting “of a commercial product or a  
23 commercial service, as the case may  
24 be,”;

1 (VII) by striking “the commer-  
2 cial item determination” in subpara-  
3 graph (B) and inserting “the commer-  
4 cial product or commercial service de-  
5 termination”; and

6 (VIII) by striking “commercial  
7 item” in subparagraph (C); and

8 (v) in paragraph (5), by striking  
9 “commercial items” and inserting “com-  
10 mercial products or commercial services”;

11 (B) in subsection (d)(2), by striking “com-  
12 mercial items” each place it appears and insert-  
13 ing “commercial products or commercial serv-  
14 ices”; and

15 (C) in subsection (h)—

16 (i) in paragraph (2), by striking  
17 “commercial items” and inserting “com-  
18 mercial products or commercial services”;

19 and

20 (ii) by striking paragraph (3).

21 (6) Section 2307(f) is amended—

22 (A) by striking “COMMERCIAL ITEMS” in  
23 the subsection heading and inserting “COMMER-  
24 CIAL PRODUCTS AND COMMERCIAL SERVICES”;

25 and

1 (B) by striking “commercial items” in  
2 paragraphs (1) and (2) and inserting “commer-  
3 cial products and commercial services”.

4 (7) Section 2320(b) is amended—

5 (A) in paragraph (1), by striking “a com-  
6 mercial item, the item” and inserting “a com-  
7 mercial product, the product”; and

8 (B) in paragraph (9)(A), by striking “any  
9 noncommercial item or process” and inserting  
10 “any noncommercial product or process”.

11 (8) Section 2321(f) is amended—

12 (A) in paragraph (1)—

13 (i) by striking “commercial items”  
14 and inserting “commercial products”; and

15 (ii) by striking “the item” both places  
16 it appears and inserting “commercial prod-  
17 ucts”; and

18 (B) in paragraph (2)(A), in clauses (i) and  
19 (ii), by striking “commercial item” and insert-  
20 ing “commercial product”.

21 (9) Section 2324(l)(1)(A) is amended by strik-  
22 ing “commercial items” and inserting “commercial  
23 products or commercial services”.

1           (10) Section 2335(b) is amended by striking  
2           “commercial items” and inserting “commercial prod-  
3           ucts and commercial services”.

4           (d) AMENDMENTS TO CHAPTER 140 OF TITLE 10,  
5           UNITED STATES CODE.—Chapter 140 of title 10, United  
6           States Code, is amended as follows:

7           (1) Section 2375 is amended—

8                   (A) in subsection (a), by striking “commer-  
9                   cial item” in paragraphs (1) and (2) and insert-  
10                   ing “commercial product or commercial serv-  
11                   ice”;

12                   (B) in subsections (b) and (c)—

13                           (i) by striking “COMMERCIAL ITEMS”  
14                           in the subsection heading and inserting  
15                           “COMMERCIAL PRODUCTS AND COMMER-  
16                           CIAL SERVICES”; and

17                           (ii) by striking “commercial items”  
18                           each place it appears and inserting “com-  
19                           mercial products and commercial services”;  
20                           and

21                   (C) in subsection (e)(3), by striking “com-  
22                   mercial items” and inserting “commercial prod-  
23                   ucts and commercial services”.

24           (2) Section 2376(1) is amended—

1 (A) by striking “terms ‘commercial item,’”  
2 and inserting “terms ‘commercial product’,  
3 ‘commercial service,’”; and

4 (B) by striking “chapter 1 of title 41” and  
5 inserting “sections 103, 103a, 110, 105, and  
6 102, respectively, of title 41”.

7 (3) Section 2377 is amended—

8 (A) in subsection (a)—

9 (i) in paragraph (2), by striking  
10 “commercial items or, to the extent that  
11 commercial items suitable to meet the  
12 agency’s needs are not available, non-  
13 developmental items other than commercial  
14 items” and inserting “commercial services  
15 or commercial products or, to the extent  
16 that commercial products suitable to meet  
17 the agency’s needs are not available, non-  
18 developmental items other than commercial  
19 products”; and

20 (ii) in paragraph (3), by striking  
21 “commercial items and nondevelopmental  
22 items other than commercial items” and  
23 inserting “commercial services, commercial  
24 products, and nondevelopmental items  
25 other than commercial products”;

1 (B) in subsection (b)—

2 (i) in paragraphs (1) and (2), by  
3 striking “commercial items or nondevelop-  
4 mental items other than commercial items”  
5 and inserting “commercial services, com-  
6 mercial products, or nondevelopmental  
7 items other than commercial products”;

8 (ii) in paragraphs (3) and (4), by  
9 striking “commercial items or, to the ex-  
10 tent that commercial items suitable to  
11 meet the agency’s needs are not available,  
12 nondevelopmental items other than com-  
13 mercial items” and inserting “commercial  
14 services or commercial products or, to the  
15 extent that commercial products suitable to  
16 meet the agency’s needs are not available,  
17 nondevelopmental items other than com-  
18 mercial products”; and

19 (iii) in paragraphs (5) and (6), by  
20 striking “commercial items” and inserting  
21 “commercial products and commercial  
22 services”;

23 (C) in subsection (c)—

24 (i) in paragraph (2), by striking  
25 “commercial items or, to the extent that

1 commercial items suitable to meet the  
2 agency's needs are not available, non-  
3 developmental items other than commercial  
4 items" and inserting "commercial services  
5 or commercial products or, to the extent  
6 that commercial products suitable to meet  
7 the agency's needs are not available, non-  
8 developmental items other than commercial  
9 products"; and

10 (ii) in paragraph (4), by striking  
11 "items other than commercial items" and  
12 inserting "products other than commercial  
13 products or services other than commercial  
14 services";

15 (D) in subsection (d)—

16 (i) in the first sentence, by striking  
17 "commercial items" and inserting "com-  
18 mercial products or commercial services";

19 (ii) in paragraph (1), by striking  
20 "items" and inserting "products or serv-  
21 ices"; and

22 (iii) in paragraph (2), by striking  
23 "items" and inserting "products or serv-  
24 ices"; and

1 (E) in subsection (e)(1), by striking “com-  
2 mercial items” and inserting “commercial prod-  
3 ucts and commercial services”.

4 (4) Section 2379 is amended—

5 (A) by striking “COMMERCIAL ITEMS” in  
6 the headings of subsections (b) and (c) and in-  
7 serting “COMMERCIAL PRODUCTS”;

8 (B) in subsections (a)(1)(A), (b)(2), and  
9 (c)(1)(B), by striking “, as defined in section  
10 103 of title 41”; and

11 (C) by striking “commercial item” and  
12 “commercial items” each place they appear and  
13 inserting “commercial product” and “commer-  
14 cial products”, respectively.

15 (5) Section 2380 is amended—

16 (A) in subsection (a), by striking “commer-  
17 cial item determinations” in paragraphs (1) and  
18 (2) and inserting “commercial product and  
19 commercial service determinations”; and

20 (B) in subsection (b) (as added by section  
21 848 of the National Defense Authorization Act  
22 for Fiscal Year 2018)—

23 (i) by striking “ITEM” in the sub-  
24 section heading;

1 (ii) by striking “an item” each place  
2 it appears and inserting “a product or  
3 service”;

4 (iii) by striking “item” after “using  
5 commercial” each place it appears;

6 (iv) by striking “prior commercial  
7 item determination” and inserting “prior  
8 commercial product or service determina-  
9 tion”;

10 (v) by striking “such item” and in-  
11 serting “such product or service”; and

12 (vi) by striking “the item” both places  
13 it appears and inserting “the product or  
14 service”.

15 (6) Section 2380a is amended—

16 (A) in subsection (a)—

17 (i) by striking “items and” and insert-  
18 ing “products and”; and

19 (ii) by striking “commercial items”  
20 and inserting “commercial products and  
21 commercial services, respectively,”; and

22 (B) in subsection (b), by striking “com-  
23 mercial items” and inserting “commercial serv-  
24 ices”.

1           (7) Section 2380B is amended by striking  
2           “commercial item” and inserting “commercial prod-  
3           uct”.

4           (8) AMENDMENTS TO HEADINGS, ETC.—

5           (A) The heading of such chapter is amend-  
6           ed to read as follows:

7           **“CHAPTER 140—PROCUREMENT OF COM-**  
8           **MERCIAL PRODUCTS AND COMMER-**  
9           **CIAL SERVICES”.**

10          (B) The heading of section 2375 is amend-  
11          ed to read as follows:

12          **“§ 2375. Relationship of other provisions of law to**  
13                  **procurement of commercial products and**  
14                  **commercial services”.**

15          (C) The heading of section 2377 is amend-  
16          ed to read as follows:

17          **“§ 2377. Preference for commercial products and**  
18                  **commercial services”.**

19          (D) The heading of section 2379 is amend-  
20          ed to read as follows:

1 **“§ 2379. Procurement of a major weapon system as a**  
2 **commercial product: requirement for**  
3 **prior determination by Secretary of De-**  
4 **fense and notification to Congress”.**

5 (E) The heading of section 2380 is amend-  
6 ed to read as follows:

7 **“§ 2380. Commercial product and commercial service**  
8 **determinations by Department of De-**  
9 **fense”.**

10 (F) The heading of section 2380a is  
11 amended to read as follows:

12 **“§ 2380a. Treatment of certain products and services**  
13 **as commercial products and commercial**  
14 **services”.**

15 (G) Section 2380B is redesignated as sec-  
16 tion 2380b and the heading of that section is  
17 amended to read as follows:

18 **“§ 2380b. Treatment of commingled items purchased**  
19 **by contractors as commercial products”.**

20 (H) The table of sections at the beginning  
21 of such chapter is amended to read as follows:

“2375. Relationship of other provisions of law to procurement of commercial products and commercial services.

“2376. Definitions.

“2377. Preference for commercial products and commercial services.

“2379. Procurement of a major weapon system as a commercial product: requirement for prior determination by Secretary of Defense and notification to Congress.

“2380. Commercial product and commercial service determinations by Department of Defense.

“2380a. Treatment of certain products and services as commercial products and commercial services.

“2380b. Treatment of commingled items purchased by contractors as commercial products.”.

1           (e) OTHER AMENDMENTS TO TITLE 10, UNITED  
2 STATES CODE.—Title 10, United States Code, is further  
3 amended as follows:

4           (1) Section 2226(b) is amended by striking “for  
5 services” and all that follows through “deliverable  
6 items” and inserting “for services or deliverable  
7 items”.

8           (2) Section 2384(b)(2) is amended by striking  
9 “commercial items” and inserting “commercial prod-  
10 ucts”.

11           (3) Section 2393(d) is amended by striking  
12 “commercial items (as defined in section 103 of title  
13 41)” and inserting “commercial products or com-  
14 mercial services (as defined in sections 103 and  
15 103a, respectively, of title 41)”.

16           (4) Section 2402(d) is amended—

17           (A) in paragraph (1), by striking “com-  
18 mercial items” both places it appears and in-  
19 serting “commercial products or commercial  
20 services”; and

21           (B) in paragraph (2), by striking “the  
22 term” and all that follows and inserting “the  
23 terms ‘commercial product’ and ‘commercial

1 service' have the meanings given those terms in  
2 sections 103 and 103a, respectively, of title  
3 41.”.

4 (5) Section 2408(a)(4)(B) is amended by strik-  
5 ing “commercial items (as defined in section 103 of  
6 title 41)” and inserting “commercial products or  
7 commercial services (as defined in sections 103 and  
8 103a, respectively, of title 41)”.

9 (6) Section 2410b(c) is amended by striking  
10 “commercial items” and inserting “commercial prod-  
11 ucts”.

12 (7) Section 2410g(d)(1) is amended by striking  
13 “Commercial items (as defined in section 103 of title  
14 41)” and inserting “Commercial products or com-  
15 mercial services (as defined in sections 103 and  
16 103a, respectively, of title 41)”.

17 (8) Section 2447a is amended—

18 (A) in subsection (a)(2), by striking “com-  
19 mercial items and technologies” and inserting  
20 “commercial products and technologies”; and

21 (B) in subsection (c), by inserting before  
22 the period at the end the following: “and the  
23 term ‘commercial product’ has the meaning  
24 given that term in section 103 of title 41”.

1           (9) Section 2451(d) is amended by striking  
2           “commercial items” and inserting “commercial prod-  
3           ucts (as defined in section 103 of title 41)”.

4           (10) Section 2464 is amended—

5                 (A) in subsection (a)—

6                     (i) in paragraph (3), by striking  
7                     “commercial items” and inserting “com-  
8                     mercial products or commercial services”;  
9                     and

10                    (ii) in paragraph (5), by striking “The  
11                    commercial items covered by paragraph (3)  
12                    are commercial items” and inserting “The  
13                    commercial products or commercial serv-  
14                    ices covered by paragraph (3) are commer-  
15                    cial products (as defined in section 103 of  
16                    title 41) or commercial services (as defined  
17                    in section 103a of such title)”;

18                 (B) in subsection (c)—

19                     (i) by striking “COMMERCIAL ITEMS”  
20                     in the subsection heading and inserting  
21                     “COMMERCIAL PRODUCTS OR COMMER-  
22                     CIAL SERVICES”; and

23                     (ii) by striking “commercial item” and  
24                     inserting “commercial product or commer-  
25                     cial service”.

1 (11) Section 2484(f) is amended—

2 (A) by striking “COMMERCIAL ITEMS” in  
3 the subsection heading and inserting “COMMER-  
4 CIAL PRODUCTS”; and

5 (B) by striking “commercial item” and in-  
6 serting “commercial product”.

7 (12) The items relating to chapter 140 in the  
8 tables of chapters at the beginning of subtitle A, and  
9 at the beginning of part IV of subtitle A, are amend-  
10 ed to read as follows:

**“140. Procurement of Commercial Products and Com-  
mercial Services ..... 2377”.**

11 (f) AMENDMENTS TO PROVISIONS OF NATIONAL DE-  
12 FENSE AUTHORIZATION ACTS.—

13 (1) Section 806(b) of the National Defense Au-  
14 thorization Act for Fiscal Years 1992 and 1993  
15 (Public Law 102–190; 10 U.S.C. 2302 note) is  
16 amended by striking “commercial items (as defined  
17 in section 103 of title 41, United States Code)” and  
18 inserting “commercial products or commercial serv-  
19 ices (as defined in sections 103 and 103a, respec-  
20 tively, of title 41, United States Code)”.

21 (2) Section 821(e) of the Floyd D. Spence Na-  
22 tional Defense Authorization Act for Fiscal Year  
23 2001 (as enacted into law by Public Law 106–398;  
24 10 U.S.C. 2302 note) is amended—

1 (A) by striking paragraph (2); and

2 (B) by redesignating paragraph (3) as  
3 paragraph (2).

4 (3) Section 821(b) of the National Defense Au-  
5 thorization Act for Fiscal Year 2008 (Public Law  
6 110–181; 10 U.S.C. 2304 note) is amended—

7 (A) in paragraph (1), by striking “a com-  
8 mercial item” and inserting “a commercial  
9 product or a commercial service”;

10 (B) in paragraph (2), by striking “com-  
11 mercial item” and inserting “commercial prod-  
12 uct”; and

13 (C) by adding at the end the following new  
14 paragraph:

15 “(3) The term ‘commercial service’ has the  
16 meaning provided by section 103a of title 41, United  
17 States Code.”.

18 (4) Section 817(d) of the Bob Stump National  
19 Defense Authorization Act for Fiscal Year 2003  
20 (Public Law 107–314; 10 U.S.C. 2306a note) is  
21 amended—

22 (A) in paragraph (1), by striking “com-  
23 mercial item exceptions” and inserting “com-  
24 mercial product-commercial service exceptions”;  
25 and

1 (B) in paragraph (2), by striking “com-  
2 mercial item exception” and inserting “commer-  
3 cial product-commercial service exception”;

4 (5) Section 852(b)(2)(A)(ii) of the National De-  
5 fense Authorization Act for Fiscal Year 2007 (Pub-  
6 lic Law 109–364; 10 U.S.C. 2324 note) is amended  
7 by striking “a commercial item, as defined in section  
8 103 of title 41” and inserting “a commercial prod-  
9 uct or a commercial service, as defined in sections  
10 103 and 103a, respectively, of title 41”.

11 (6) Section 805 of the National Defense Au-  
12 thorization Act for Fiscal Year 2008 (Public Law  
13 110–181; 10 U.S.C. 2330 note) is amended—

14 (A) in subsection (b), by striking “com-  
15 mercial items” in paragraphs (1) and (2)(A)  
16 and inserting “commercial services”; and

17 (B) in subsection (c)—

18 (i) by striking “ITEM” in the headings  
19 for paragraphs (1) and (2) and inserting  
20 “SERVICES”;

21 (ii) in the matter in paragraph (1)  
22 preceding subparagraph (A), by striking  
23 “commercial item” and inserting “commer-  
24 cial service”;

1 (iii) in paragraph (1)(A), by striking  
2 “a commercial item, as described in section  
3 103(5) of title 41” and inserting “a serv-  
4 ice, as described in section 103a(1) of title  
5 41”;

6 (iv) in paragraph (1)(C)(i), by strik-  
7 ing “section 103(6) of title 41” and insert-  
8 ing “section 103a(2) of title 41”; and

9 (v) in paragraph (2), by striking  
10 “item” and inserting “service”.

11 (7) Section 849(d) of the National Defense Au-  
12 thorization Act for Fiscal Year 2017 (Public Law  
13 114–328; 10 U.S.C. 2377 note) is amended—

14 (A) by striking “commercial items” in  
15 paragraph (1) and inserting “commercial prod-  
16 ucts”;

17 (B) by striking “commercial item” in para-  
18 graph (3)(B)(i) and inserting “commercial  
19 product”; and

20 (C) by adding at the end the following new  
21 paragraph:

22 “(5) DEFINITION.—In this subsection, the term  
23 ‘commercial product’ has the meaning given that  
24 term in section 103 of title 41.”.

1           (8) Section 856(a)(1) of the National Defense  
2           Authorization Act for Fiscal Year 2016 (Public Law  
3           114–92; 10 U.S.C. 2377 note) is amended by strik-  
4           ing “commercial items or services” and inserting “a  
5           commercial product or a commercial service, as de-  
6           fined in sections 103 and 103a, respectively, of title  
7           41,”.

8           (9) Section 879 of the National Defense Au-  
9           thorization Act for Fiscal Year 2017 (Public Law  
10          114–328; 10 U.S.C. 2302 note) is amended—

11           (A) in the section heading, by striking  
12           “**COMMERCIAL ITEMS**” and inserting “**COM-**  
13           **MERCIAL PRODUCTS**”;

14           (B) in subsection (a), by striking “com-  
15           mercial items” and inserting “commercial prod-  
16           ucts”;

17           (C) in subsection (c)(3)—

18           (i) by striking “COMMERCIAL ITEMS”  
19           in the paragraph heading and inserting  
20           “COMMERCIAL PRODUCTS OR COMMERCIAL  
21           SERVICES”; and

22           (ii) by striking “commercial items”  
23           and inserting “commercial products or  
24           commercial services”; and

1 (D) in subsection (e)(2), by striking  
2 “item” in subparagraphs (A) and (B) and in-  
3 serting “products”.

4 (10) Section 880 of the National Defense Au-  
5 thorization Act for Fiscal Year 2017 (Public Law  
6 114–328; 41 U.S.C. 3301 note) is amended by strik-  
7 ing “commercial items” in subsection (a)(1) and in-  
8 serting “commercial products”.

9 (g) CONFORMING AMENDMENTS TO OTHER STAT-  
10 UTES.—

11 (1) Section 604(g) of the American Recovery  
12 and Reinvestment Act of 2009 (6 U.S.C. 453b(g))  
13 is amended—

14 (A) by striking “COMMERCIAL ITEMS” in  
15 the subsection heading and inserting “COMMER-  
16 CIAL PRODUCTS”;

17 (B) by striking “procurement of commer-  
18 cial” in the first sentence and all that follows  
19 through “items listed” and inserting “procure-  
20 ment of commercial products notwithstanding  
21 section 1906 of title 41, United States Code,  
22 with the exception of commercial products list-  
23 ed”; and

24 (C) in the second sentence—

1 (i) by inserting “product” after “com-  
2 mercial”; and

3 (ii) by striking “in the” and all that  
4 follows and inserting “in section 103 of  
5 title 41, United States Code.”.

6 (2) Section 142 of the Higher Education Act of  
7 1965 (20 U.S.C. 1018a) is amended—

8 (A) in subsection (e)—

9 (i) by striking “COMMERCIAL ITEMS”  
10 in the subsection heading and inserting  
11 “COMMERCIAL PRODUCTS AND COMMER-  
12 CIAL SERVICES”;

13 (ii) by striking “that commercial  
14 items” and inserting “that commercial  
15 products or commercial services”;

16 (iii) by striking “special rules for com-  
17 mercial items” and inserting “special rules  
18 for commercial products and commercial  
19 services”;

20 (iv) by striking “without regard to—  
21 ” and all that follows through “dollar limi-  
22 tation” and inserting “without regard to  
23 any dollar limitation”;

24 (v) by striking “; and” and inserting  
25 a period; and

1 (vi) by striking paragraph (2);

2 (B) in subsection (f)—

3 (i) by striking “ITEMS” in the sub-  
4 section heading and inserting “PRODUCTS  
5 AND SERVICES”;

6 (ii) by striking “ITEMS” in the head-  
7 ing of paragraph (2) and inserting “PROD-  
8 UCTS AND SERVICES”; and

9 (iii) by striking “a commercial item”  
10 in paragraph (2) and inserting “a commer-  
11 cial product or a commercial service”;

12 (C) in subsection (h)—

13 (i) by striking “ITEMS” in the sub-  
14 section heading and inserting “SERVICES”;  
15 and

16 (ii) by striking “commercial items” in  
17 paragraph (1) and inserting “commercial  
18 services”; and

19 (D) in subsection (l)—

20 (i) by redesignating paragraphs (2),  
21 (3), (4), and (5) as paragraphs (3), (4),  
22 (5), and (6), respectively;

23 (ii) by striking paragraph (1) and in-  
24 serting the following new paragraphs:

1           “(1) COMMERCIAL PRODUCT.—The term ‘com-  
2           mercial product’ has the meaning given the term in  
3           section 103 of title 41, United States Code.

4           “(2) COMMERCIAL SERVICE.—The term ‘com-  
5           mercial service’ has the meaning given the term in  
6           section 103a of title 41, United States Code.”;

7                   (iii) in paragraph (3), as so redesign-  
8                   ated, by striking “in section” and all that  
9                   follows and inserting “in section 152 of  
10                  title 41, United States Code.”;

11                  (iv) in paragraph (5), as so redesign-  
12                  ated—

13                           (I) by striking “COMMERCIAL  
14                           ITEMS” in the paragraph heading and  
15                           inserting “COMMERCIAL PRODUCTS  
16                           AND COMMERCIAL SERVICES”;

17                           (II) by striking “commercial  
18                           items” and inserting “commercial  
19                           products and commercial services”;  
20                           and

21                           (III) by striking “pursuant to”  
22                           and all that follows and inserting  
23                           “pursuant to sections 1901 and  
24                           3305(a) of title 41, United States  
25                           Code.”; and

1 (v) in paragraph (6), as so redesign-  
2 nated, by striking “pursuant to” and all  
3 that follows and inserting “pursuant to  
4 sections 1901(a)(1) and 3305(a)(1) of title  
5 41, United States Code.”.

6 (3) Section 3901(a)(4)(A)(ii)(II) of title 31,  
7 United States Code, is amended by striking “com-  
8 mercial item” and inserting “commercial product”.

9 (4) Section 2455(c)(1) of the Federal Acquisi-  
10 tion Streamlining Act of 1994 (31 U.S.C. 6101  
11 note) is amended by striking “commercial items”  
12 and inserting “commercial products”.

13 (5) Section 508(f) of the Federal Water Pollu-  
14 tion Control Act (33 U.S.C. 1368(f)) is amended—

15 (A) in paragraph (1), by striking “com-  
16 mercial items” and inserting “commercial prod-  
17 ucts or commercial services”; and

18 (B) in paragraph (2), by striking “the  
19 term” and all that follows and inserting “the  
20 terms ‘commercial product’ and ‘commercial  
21 service’ have the meanings given those terms in  
22 sections 103 and 103a, respectively, of title 41,  
23 United States Code.”.

24 (6) Section 3707 of title 40, United States  
25 Code, is amended by striking “a commercial item (as

1 defined in section 103 of title 41)” and inserting “a  
2 commercial product (as defined in section 103 of  
3 title 41) or a commercial service (as defined in sec-  
4 tion 103a of title 41)”.

5 (7) Subtitle III of title 40, United States Code,  
6 is amended—

7 (A) in section 11101(1), by striking “COM-  
8 MERCIAL ITEM.—The term ‘commercial item’  
9 has” and inserting “COMMERCIAL PRODUCT.—  
10 The term ‘commercial product’ has”; and

11 (B) in section 11314(a)(3), by striking  
12 “items” each place it appears and inserting  
13 “products”.

14 (8) Section 8301(g) of the Federal Acquisition  
15 Streamlining Act of 1994 (42 U.S.C. 7606 note) is  
16 amended by striking “commercial items” and insert-  
17 ing “commercial products or commercial services”.

18 (9) Section 40118(f) of title 49, United States  
19 Code, is amended—

20 (A) in paragraph (1), by striking “com-  
21 mercial items” and inserting “commercial prod-  
22 ucts”; and

23 (B) in paragraph (2), by striking “com-  
24 mercial item” and inserting “commercial prod-  
25 uct”.

1           (10) Chapter 501 of title 51, United States  
2 Code, is amended—

3           (A) in section 50113(c)—

4                 (i) by striking “COMMERCIAL ITEM”  
5 in the subsection heading and inserting  
6 “COMMERCIAL PRODUCT OR COMMERCIAL  
7 SERVICE”; and

8                 (ii) by striking “commercial item” in  
9 the second sentence and inserting “com-  
10 mercial product or commercial service”;  
11 and

12           (B) in section 50115(b)—

13                 (i) by striking “COMMERCIAL ITEM”  
14 in the subsection heading and inserting  
15 “COMMERCIAL PRODUCT OR COMMERCIAL  
16 SERVICE”; and

17                 (ii) by striking “commercial item” in  
18 the second sentence and inserting “com-  
19 mercial product or commercial service”;  
20 and

21           (C) in section 50132(a)—

22                 (i) by striking “COMMERCIAL ITEM”  
23 in the subsection heading and inserting  
24 “COMMERCIAL SERVICE”; and

1 (ii) by striking “commercial item” in  
2 the second sentence and inserting “com-  
3 mercial service”.

4 (h) EFFECTIVE DATE AND SAVINGS PROVISION.—  
5 The amendments made by subsections (a) through (g)  
6 shall take effect on January 1, 2020. Any provision of law  
7 that on the day before such effective date is on a list of  
8 provisions of law included in the Federal Acquisition Reg-  
9 ulation pursuant to section 1907 of title 41, United States  
10 Code, shall be deemed as of that effective date to be on  
11 a list of provisions of law included in the Federal Acquisi-  
12 tion Regulation pursuant to section 1906 of such title.

13 (i) IMPLEMENTATION PLAN REQUIRED.—Not later  
14 than April 1, 2019, the Under Secretary of Defense for  
15 Acquisition and Sustainment, in coordination with mem-  
16 bers of the Defense Business Board, the Defense Science  
17 Board, and the Defense Innovation Board as appropriate,  
18 shall submit to the Committees on Armed Services of the  
19 Senate and the House of Representatives an implementa-  
20 tion plan that contains the following elements:

21 (1) An implementation timeline and schedule,  
22 to include substantive, technical, and conforming  
23 changes to the law that the Under Secretary deems  
24 appropriate and necessary, to include revising defini-  
25 tions or categories of items, products, and services.

1           (2) A review of recommendations by the inde-  
2           pendent panel created under section 809 of the Na-  
3           tional Defense Authorization Act for Fiscal Year  
4           2016 (Public Law 114–92; 129 Stat. 889) per-  
5           taining to commercial items.

6           (3) A review of commercial item provisions from  
7           the National Defense Authorization Act for Fiscal  
8           Year 2016 (Public Law 114–92), the National De-  
9           fense Authorization Act for Fiscal Year 2017 (Pub-  
10          lic Law 114–328), the National Defense Authoriza-  
11          tion Act for Fiscal Year 2018 (Public Law 115–91),  
12          and other relevant legislation.

13          (4) An analysis of the extent to which the De-  
14          partment of Defense should treat commercial service  
15          contracts and commercial products in a similar man-  
16          ner.

17          (5) Such other matters with respect to commer-  
18          cial item procurement as the Under Secretary con-  
19          siders appropriate.

20   **SEC. 837. LIMITATION ON APPLICABILITY TO DEPARTMENT**  
21                           **OF DEFENSE COMMERCIAL CONTRACTS OF**  
22                           **CERTAIN PROVISIONS OF LAW.**

23          (a) SECTION 2375.—Section 2375(b)(2) of title 10,  
24          United States Code, is amended by striking “January 1,  
25          2015” and inserting “October 13, 1994”.

1 (b) SECTION 2533A.—Section 2533a(i) of such title  
2 is amended—

3 (1) in the subsection heading, by striking  
4 “ITEMS” and inserting “PRODUCTS”; and

5 (2) by striking “commercial items” and insert-  
6 ing “commercial products”.

7 (c) SECTION 2533B.—Section 2533b(h) of such title  
8 is amended—

9 (1) in the subsection heading, by striking  
10 “ITEMS” and inserting “PRODUCTS”; and

11 (2) by striking “commercial items” each place  
12 it appears and inserting “commercial products”.

13 **SEC. 838. MODIFICATIONS TO PROCUREMENT THROUGH**  
14 **COMMERCIAL E-COMMERCE PORTALS.**

15 (a) IN GENERAL.—Section 846 of the National De-  
16 fense Authorization Act for Fiscal Year 2018 (Public Law  
17 115–91; 41 U.S.C. 1901 note) is amended—

18 (1) in subsection (f), by adding at the end the  
19 following new paragraph:

20 “(5) A procurement of a product made through  
21 a commercial e-commerce portal under the program  
22 established pursuant to subsection (a) is deemed to  
23 satisfy requirements for full and open competition  
24 pursuant to section 2304 of title 10, United States

1 Code, and section 3301 of title 41, United States  
2 Code, if—

3 “(A) there are offers from two or more  
4 suppliers of such a product or similar product  
5 with substantially the same physical, functional,  
6 or performance characteristics on the online  
7 marketplace; and

8 “(B) the Administrator establishes proce-  
9 dures to implement subparagraph (A) and noti-  
10 fies Congress at least 30 days before imple-  
11 menting such procedures.”; and

12 (2) in subsection (h), by striking paragraph (3)  
13 and inserting the following:

14 “(3) agree not to use, for pricing, marketing,  
15 competitive, or other purposes, any information, in-  
16 cluding any Government-owned data, such as pur-  
17 chasing trends or spending habits, related to a prod-  
18 uct from a third-party supplier featured on the com-  
19 mercial e-commerce portal or the transaction of such  
20 product, except as necessary to comply with the re-  
21 quirements of the program established in subsection  
22 (a).”.

23 (b) SENSE OF CONGRESS.—It is the sense of Con-  
24 gress that—

1           (1) the implementation of any e-commerce por-  
2           tal under such section 846 to procure commercial  
3           products will be done in a manner that will enhance  
4           competition, expedite procurement, and ensure rea-  
5           sonable pricing of commercial products;

6           (2) the implementation of the e-commerce por-  
7           tal will be completed with multiple contracts with  
8           multiple commercial e-commerce portal providers;  
9           and

10          (3) the Administrator of the General Services  
11          Administration should require any e-commerce por-  
12          tal provider to take the necessary precautions to  
13          safeguard data of all other e-commerce portal pro-  
14          viders and any third-party suppliers.

15 **SEC. 839. REVIEW OF FEDERAL ACQUISITION REGULA-**  
16 **TIONS ON COMMERCIAL PRODUCTS, COM-**  
17 **MERCIAL SERVICES, AND COMMERCIALY**  
18 **AVAILABLE OFF-THE-SHELF ITEMS.**

19          (a) REVIEW OF DETERMINATIONS NOT TO EXEMPT  
20          CONTRACTS FOR COMMERCIAL PRODUCTS, COMMERCIAL  
21          SERVICES, AND COMMERCIALY AVAILABLE OFF-THE-  
22          SHELF ITEMS FROM CERTAIN LAWS AND REGULA-  
23          TIONS.—Not later than one year after the date of the en-  
24          actment of this Act, the Federal Acquisition Regulatory  
25          Council shall—

1           (1) review each determination of the Federal  
2 Acquisition Regulatory Council pursuant to section  
3 1906(b)(2), section 1906(c)(3), or section  
4 1907(a)(2) of title 41, United States Code, not to  
5 exempt contracts or subcontracts from laws which  
6 such contracts and subcontracts would otherwise be  
7 exempt from under section 1906(d) of title 41,  
8 United States Code; and

9           (2) propose revisions to the Federal Acquisition  
10 Regulation to provide an exemption from each law  
11 subject to such determination unless the Council de-  
12 termines that there is a specific reason not to pro-  
13 vide the exemptions pursuant to section 1906 of  
14 such title or the Administrator for Federal Procure-  
15 ment Policy determines there is a specific reason not  
16 to provide the exemption pursuant to section 1907  
17 of such title.

18       (b) REVIEW OF CERTAIN CONTRACT CLAUSE RE-  
19 QUIREMENTS APPLICABLE TO COMMERCIAL PRODUCTS  
20 AND COMMERCIAL SERVICES CONTRACTS.—Not later  
21 than one year after the date of the enactment of this Act,  
22 the Federal Acquisition Regulatory Council shall—

23           (1) review the Federal Acquisition Regulation  
24 to assess all regulations that require a specific con-  
25 tract clause for a contract using commercial product

1 or commercial services acquisition procedures under  
2 part 12 of the Federal Acquisition Regulation, ex-  
3 cept for regulations required by law or Executive  
4 order; and

5 (2) propose revisions to the Federal Acquisition  
6 Regulation to eliminate regulations reviewed under  
7 paragraph (1) unless the Federal Acquisition Regu-  
8 latory Council determines on a case-by-case basis  
9 that there is a specific reason not to eliminate the  
10 regulation.

11 (c) ELIMINATION OF CERTAIN CONTRACT CLAUSE  
12 REGULATIONS APPLICABLE TO COMMERCIALY AVAIL-  
13 ABLE OFF-THE-SHELF ITEM SUBCONTRACTS.—Not later  
14 than one year after the date of the enactment of this Act,  
15 the Federal Acquisition Regulatory Council shall—

16 (1) review the Federal Acquisition Regulation  
17 to assess all regulations that require a prime con-  
18 tractor to include a specific contract clause in a sub-  
19 contract for commercially available off-the-shelf  
20 items unless the inclusion of such clause is required  
21 by law or Executive order; and

22 (2) propose revisions to the Federal Acquisition  
23 Regulation to eliminate regulations reviewed under  
24 paragraph (1) unless the Federal Acquisition Regu-  
25 latory Council determines on a case-by-case basis

1 that there is a specific reason not to eliminate the  
2 regulation.

3 (d) REPORT TO CONGRESS.—

4 (1) REQUIREMENT.—Not later than one year  
5 after the date of the enactment of this Act, the Fed-  
6 eral Acquisition Regulatory Council shall submit to  
7 the committees listed in paragraph (2) a report on  
8 the results of the reviews under this section.

9 (2) COMMITTEES LISTED.—The committees  
10 listed in this paragraph are the following:

11 (A) The Committee on Armed Services and  
12 the Committee on Homeland Security and Gov-  
13 ernmental Affairs of the Senate.

14 (B) The Committee on Armed Services and  
15 the Committee on Oversight and Government  
16 Reform of the House of Representatives.

## 17 **Subtitle E—Industrial Base Matters**

### 18 **SEC. 841. REPORT ON LIMITED SOURCING OF SPECIFIC** 19 **COMPONENTS FOR NAVAL VESSELS.**

20 (a) REPORT REQUIRED.—Not later than March 1,  
21 2019, the Secretary of the Navy shall submit to the con-  
22 gressional defense committees a report that provides, for  
23 the components described in subsection (b), a market sur-  
24 vey, a cost assessment, national security considerations,  
25 and a recommendation regarding whether competition for

1 the procurement of the components should be limited to  
2 sources in the national technology and industrial base (as  
3 defined in section 2500 of title 10, United States Code).

4 (b) COMPONENTS.—The components described in  
5 this subsection are the following:

6 (1) Naval vessel components listed in section  
7 2534(a)(3) of title 10, United States Code.

8 (2) The following components for auxiliary  
9 ships:

10 (A) Auxiliary equipment, including pumps.

11 (B) Propulsion system components, includ-  
12 ing engines, reduction gears, and propellers.

13 (C) Shipboard cranes.

14 (D) Spreaders for shipboard cranes.

15 **SEC. 842. REMOVAL OF NATIONAL INTEREST DETERMINA-**  
16 **TION REQUIREMENTS FOR CERTAIN ENTI-**  
17 **TIES.**

18 (a) IN GENERAL.—Effective October 1, 2020, a cov-  
19 ered NTIB entity operating under a special security agree-  
20 ment pursuant to the National Industrial Security Pro-  
21 gram shall not be required to obtain a national interest  
22 determination as a condition for access to proscribed infor-  
23 mation.

24 (b) ACCELERATION AUTHORIZED.—Notwithstanding  
25 the effective date of this section, the Secretary of Defense,

1 in consultation with the Director of the Information Secu-  
2 rity Oversight Office, may waive the requirement to obtain  
3 a national interest determination for a covered NTIB enti-  
4 ty operating under such a special security agreement that  
5 has—

6 (1) a demonstrated successful record of compli-  
7 ance with the National Industrial Security Program;  
8 and

9 (2) previously been approved for access to pro-  
10 scribed information.

11 (c) DEFINITIONS.—In this section:

12 (1) COVERED NTIB ENTITY.—The term “cov-  
13 ered NTIB entity” means a person that is a sub-  
14 sidiary located in the United States—

15 (A) for which the ultimate parent company  
16 and any intermediate parent companies of such  
17 subsidiary are located in a country that is part  
18 of the national technology and industrial base  
19 (as defined in section 2500 of title 10, United  
20 States Code); and

21 (B) that is subject to the foreign owner-  
22 ship, control, or influence requirements of the  
23 National Industrial Security Program.

1           (2) PROSCRIBED INFORMATION.—The term  
2           “proscribed information” means information that  
3           is—

4                   (A) classified at the level of top secret;

5                   (B) communications security information  
6                   (excluding controlled cryptographic items when  
7                   un-keyed or utilized with unclassified keys);

8                   (C) restricted data (as defined in section  
9                   11 of the Atomic Energy Act of 1954 (42  
10                   U.S.C. 2014));

11                   (D) special access program information  
12                   under section 4.3 of Executive Order No.  
13                   13526 (75 Fed. Reg. 707; 50 U.S.C. 3161  
14                   note) or successor order; or

15                   (E) designated as sensitive compartmented  
16                   information.

17 **SEC. 843. PILOT PROGRAM TO TEST MACHINE-VISION**  
18 **TECHNOLOGIES TO DETERMINE THE AU-**  
19 **THENTICITY AND SECURITY OF MICROELEC-**  
20 **TRONIC PARTS IN WEAPON SYSTEMS.**

21           (a) PILOT PROGRAM AUTHORIZED.—The Undersec-  
22           retary of Defense for Research and Engineering, in coordi-  
23           nation with the Defense Microelectronics Activity, shall es-  
24           tablish a pilot program to test the feasibility and reliability  
25           of using machine-vision technologies to determine the au-

1 thenticity and security of microelectronic parts in weapon  
2 systems.

3 (b) OBJECTIVES OF PILOT PROGRAM.—The Under-  
4 secretary of Defense for Research and Engineering, in co-  
5 ordination with the Defense Microelectronics Activity,  
6 shall design any pilot program conducted under this sec-  
7 tion to determine the following:

8 (1) The effectiveness and technology readiness  
9 level of machine-vision technologies to determine the  
10 authenticity of microelectronic parts at the time of  
11 the creation of such part through final insertion of  
12 such part into weapon systems.

13 (2) The best method of incorporating machine-  
14 vision technologies into the process of developing,  
15 transporting, and inserting microelectronics into  
16 weapon systems.

17 (3) The rules, regulations, or processes that  
18 hinder the development and incorporation of ma-  
19 chine-vision technologies, and the application of such  
20 rules, regulations, or processes to mitigate counter-  
21 feit microelectronics proliferation throughout the De-  
22 partment of Defense.

23 (c) CONSULTATION.—To develop the pilot program  
24 under this section, the Undersecretary of Defense for Re-  
25 search and Engineering, in coordination with the Defense

1 Microelectronics Activity, may consult with the following  
2 entities:

3 (1) Manufacturers of semiconductors or elec-  
4 tronics.

5 (2) Industry associations relating to semi-  
6 conductors or electronics.

7 (3) Original equipment manufacturers of prod-  
8 ucts for the Department of Defense.

9 (4) Nontraditional defense contractors (as de-  
10 fined in section 2302(9) of title 10, United States  
11 Code) that are machine vision companies.

12 (5) Federal laboratories (as defined in section  
13 2500(5) of title 10, United States Code).

14 (6) Other elements of the Department of De-  
15 fense that fall under the authority of the Undersec-  
16 retary of Defense for Research and Engineering.

17 (d) COMMENCEMENT AND DURATION.—The pilot  
18 program established under this section shall be established  
19 not later than April 1, 2019, and all activities under such  
20 pilot program shall terminate not later than December 31,  
21 2020.

1 **SEC. 844. LIMITATION ON CERTAIN PROCUREMENTS APPLI-**  
2 **CATION PROCESS.**

3 (a) IN GENERAL.—Section 2534 of title 10, United  
4 States Code, is amended by adding at the end the fol-  
5 lowing new subsections:

6 “(k) LIMITATION ON CERTAIN PROCUREMENTS AP-  
7 PPLICATION PROCESS.—

8 “(1) IN GENERAL.—The Secretary of Defense  
9 shall administer a process to analyze and assess po-  
10 tential items for consideration to be required to be  
11 procured from a manufacturer that is part of the  
12 national technology and industrial base.

13 “(2) ELEMENTS.—The application process re-  
14 quired under paragraph (1) shall include the fol-  
15 lowing elements:

16 “(A) The Secretary shall designate an offi-  
17 cial within the Office of the Secretary of De-  
18 fense responsible for administration of the limi-  
19 tation on certain procurements application proc-  
20 ess and associated policy.

21 “(B) A person or organization that meets  
22 the definition of national technology and indus-  
23 trial base under section 2500(1) of this title  
24 shall have the opportunity to apply for status as  
25 an item required to be procured from a manu-  
26 facturer that is part of the national technology

1 and industrial base. The application shall in-  
2 clude, at a minimum, the following information:

3 “(i) Information demonstrating the  
4 applicant meets the criteria of a manufac-  
5 turer in the national technology and indus-  
6 trial base under section 2500(1) of this  
7 title.

8 “(ii) For each item the applicant  
9 seeks to be required to be procured from a  
10 manufacturer that is part of the national  
11 technology and industrial base, the appli-  
12 cant shall include the following informa-  
13 tion:

14 “(I) The extent to which such  
15 item has commercial applications.

16 “(II) The number of such items  
17 to be procured by current programs of  
18 record.

19 “(III) The criticality of such item  
20 to a military unit’s mission accom-  
21 plishment.

22 “(IV) The estimated cost and  
23 other considerations of reconstituting  
24 the manufacturing capability of such

1 item, if not maintained in the national  
2 technology and industrial base.

3 “(V) National security regula-  
4 tions or restrictions imposed on such  
5 item that may not be imposed on a  
6 non-national technology and industrial  
7 base competitor.

8 “(VI) Non-national security-re-  
9 lated Federal, State, and local govern-  
10 ment regulations imposed on such  
11 item that may not be imposed on a  
12 non-national technology and industrial  
13 base competitor.

14 “(VII) The extent to which such  
15 item is fielded in current programs of  
16 record.

17 “(VIII) The extent to which cost  
18 and pricing data for such item has  
19 been deemed fair and reasonable.

20 “(3) CONSIDERATION OF APPLICATIONS.—

21 “(A) RESPONSIBILITY OF DESIGNATED OF-  
22 FICIAL.—The official designated pursuant to  
23 paragraph (2)(A) shall be responsible for pro-  
24 viding complete applications submitted pursu-  
25 ant to this subsection to the appropriate compo-

1           nent acquisition executive for consideration not  
2           later than 15 days after receipt of such applica-  
3           tion.

4           “(B) REVIEW.—Not later than 120 days  
5           after receiving a complete application, the com-  
6           ponent acquisition executive shall review such  
7           application, make a determination, and return  
8           the application to the official designated pursu-  
9           ant to paragraph (2)(A).

10          “(C) ELEMENTS OF DETERMINATION.—  
11          The determination required under subpara-  
12          graph (B) shall, for each item proposed pursu-  
13          ant to paragraph (2)(B)(ii)—

14                 “(i) recommend inclusion under this  
15                 section;

16                 “(ii) recommend inclusion under this  
17                 section with further modifications; or

18                 “(iii) not recommend inclusion under  
19                 this section.

20          “(D) JUSTIFICATION.—The determination  
21          required under subparagraph (B) shall also in-  
22          clude the rationale and justification for the de-  
23          termination.

24          “(4) RECOMMENDATIONS FOR LEGISLATION.—

25          For applications recommended under subsection (3),

1 the official designated pursuant to paragraph (2)(A)  
2 shall be responsible for preparing a legislative pro-  
3 posal for consideration by the Secretary.”.

4 (b) EFFECTIVE DATE.—This section and the amend-  
5 ments made by this section shall take effect one year after  
6 the date of the enactment of this Act.

7 **SEC. 845. REPORT ON DEFENSE ELECTRONICS INDUSTRIAL**  
8 **BASE.**

9 (a) IN GENERAL.—Not later than January 31, 2019,  
10 the Secretary of Defense, in consultation with the Execu-  
11 tive Agent for Printed Circuit Board and Interconnect  
12 Technology and the Director of the Office of Management  
13 and Budget, shall submit to Congress a report examining  
14 the health of the defense electronics industrial base, in-  
15 cluding analog and passive electronic parts, substrates,  
16 printed boards, assemblies, connectors, cabling, and re-  
17 lated areas, both domestically and within the national  
18 technology and industrial base.

19 (b) ELEMENTS.—The report required under sub-  
20 section (a) shall include the following elements:

21 (1) An examination of current and planned  
22 partnerships with the commercial industry.

23 (2) Analysis of the current and future defense  
24 electronics industrial base.

1           (3) Threat assessment related to system secu-  
2           rity.

3           (4) An assessment of the health of the engi-  
4           neering and production workforce.

5           (5) A description of the electronics supply chain  
6           requirements of defense systems integral to meeting  
7           the goals of the 2018 National Defense Strategy.

8           (6) Recommended actions to address areas  
9           deemed deficient or vulnerable, and a plan to for-  
10          malize long-term resourcing for the Executive Agent.

11          (7) Any other areas matters determined rel-  
12          evant by the Secretary.

13 **SEC. 846. SUPPORT FOR DEFENSE MANUFACTURING COM-**  
14 **MUNITIES TO SUPPORT THE DEFENSE INDUS-**  
15 **TRIAL BASE.**

16          (a) PROGRAM AUTHORIZED.—

17           (1) IN GENERAL.—The Secretary of Defense  
18           may, in coordination with the Secretary of Com-  
19           merce and working in coordination with the defense  
20           manufacturing institutes, establish within the De-  
21           partment of Defense a program to make long-term  
22           investments in critical skills, facilities, research and  
23           development, and small business support in order to  
24           strengthen the national security innovation base by

1       designating and supporting consortiums as defense  
2       manufacturing communities.

3           (2) DESIGNATION.—The program authorized by  
4       this section shall be known as the “Defense Manu-  
5       facturing Community Support Program” (in this  
6       section referred to as the “Program”).

7       (b) DESIGNATION OF DEFENSE MANUFACTURING  
8       COMMUNITIES COMPLEMENTARY TO DEFENSE MANUFAC-  
9       TURING INSTITUTES.—

10           (1) IN GENERAL.—The Secretary of Defense  
11       may designate eligible consortiums as defense manu-  
12       facturing communities through a competitive proc-  
13       ess, and in coordination with the defense manufac-  
14       turing institutes.

15           (2) ELIGIBLE CONSORTIUMS.—The Secretary  
16       may establish eligibility criteria for a consortium to  
17       participate in the Program. In developing such cri-  
18       teria, the Secretary may consider the merits of—

19           (A) including members from academia, de-  
20       fense industry, commercial industry, and State  
21       and local government organizations;

22           (B) supporting efforts in geographical re-  
23       gions that have capabilities in key technologies  
24       or industrial base supply chains that are deter-  
25       mined critical to national security;

1 (C) optimal consortium composition and  
2 size to promote effectiveness, collaboration, and  
3 efficiency; and

4 (D) complementarity with defense manu-  
5 facturing institutes.

6 (3) DURATION.—Each designation under para-  
7 graph (1) shall be for a period of five years.

8 (4) RENEWAL.—

9 (A) IN GENERAL.—The Secretary may  
10 renew a designation made under paragraph (1)  
11 for up to two additional two-year periods. Any  
12 designation as a defense manufacturing commu-  
13 nity or renewal of such designation that is in  
14 effect before the date of the enactment of this  
15 Act shall count toward the limit set forth in  
16 this subparagraph.

17 (B) EVALUATION FOR RENEWAL.—The  
18 Secretary shall establish criteria for the renewal  
19 of a consortium. In establishing such criteria,  
20 the Secretary may consider—

21 (i) the performance of the consortium  
22 in meeting the established goals of the  
23 Program;

24 (ii) the progress the consortium has  
25 made with respect to project-specific

1 metrics, particularly with respect to those  
2 metrics that were designed to help commu-  
3 nities track their own progress;

4 (iii) whether any changes to the com-  
5 position of the eligible consortium or revi-  
6 sions of the plan for the consortium would  
7 improve the capabilities of the defense in-  
8 dustrial base;

9 (iv) the effectiveness of coordination  
10 with defense manufacturing institutes; and

11 (v) such other criteria as the Sec-  
12 retary considers appropriate.

13 (5) APPLICATION FOR DESIGNATION.—An eligi-  
14 ble consortium seeking a designation under para-  
15 graph (1) shall submit an application to the Sec-  
16 retary at such time and in such manner as the Sec-  
17 retary may require. In developing such procedures,  
18 the Secretary may consider the inclusion of—

19 (A) a description of the regional bound-  
20 aries of the consortium, and the defense manu-  
21 facturing capacity of the region;

22 (B) an evidence-based plan for enhancing  
23 the defense industrial base through the efforts  
24 of the consortium;

1 (C) the investments the consortium pro-  
2 poses and the strategy of the consortium to ad-  
3 dress gaps in the defense industrial base;

4 (D) a description of the outcome-based  
5 metrics, benchmarks, and milestones that will  
6 track and the evaluation methods that will be  
7 used to gauge performance of the consortium;

8 (E) how the initiatives will complement de-  
9 fense manufacturing institutes; and

10 (F) such other matters as the Secretary  
11 considers appropriate.

12 (c) FINANCIAL AND TECHNICAL ASSISTANCE.—

13 (1) IN GENERAL.—Under the Program, the  
14 Secretary of Defense may award financial or tech-  
15 nical assistance to a member of a consortium des-  
16 igned as a defense manufacturing community  
17 under the Program as appropriate for purposes of  
18 the Program.

19 (2) USE OF FUNDS.—A recipient of financial or  
20 technical assistance under the Program may use  
21 such financial or technical assistance to support an  
22 investment that will improve the defense industrial  
23 base.

24 (3) INVESTMENTS SUPPORTED.—Investments  
25 supported under this subsection may include activi-

1       ties not already provided for by defense manufac-  
2       turing institutes on—

3               (A) equipment or facility upgrades;

4               (B) workforce training, retraining, or re-  
5       cruitment and retention, including that of  
6       women and underrepresented minorities;

7               (C) business incubators;

8               (D) advanced research and commercializa-  
9       tion, including with Federal laboratories and  
10      depots;

11              (E) supply chain development; and

12              (F) small business assistance.

13      (d) RECEIPT OF TRANSFERRED FUNDS.—The Sec-  
14      retary of Defense may accept amounts transferred to the  
15      Secretary from the head of another agency or a State or  
16      local governmental organization to carry out this section.

17      **SEC. 847. LIMITATION ON PROCUREMENT OF CERTAIN**  
18                                      **ITEMS FOR T-AO-205 PROGRAM.**

19      Effective during fiscal year 2019, the Secretary of  
20      Defense may procure the following items for the T-AO-  
21      205 program only if the manufacturer of the item is in  
22      the United States:

23              (1) Auxiliary equipment, including pumps, for  
24      all shipboard services.

1           (2) Propulsion system components, including  
2           engines, reduction gears, and propellers.

3           (3) Shipboard cranes.

4           (4) Spreaders for shipboard cranes.

## 5 **Subtitle F—Small Business Matters**

### 6 **SEC. 851. DEPARTMENT OF DEFENSE SMALL BUSINESS**

#### 7 **STRATEGY.**

8           (a) IN GENERAL.—Chapter 136 of title 10, United  
9 States Code, is amended by adding at the end the fol-  
10 lowing new section:

#### 11 **“§ 2283. Department of Defense small business strat- 12 **egy****

13           “(a) IN GENERAL.—The Secretary of Defense shall  
14 implement a small business strategy for the Department  
15 of Defense that meets the requirements of this section.

16           “(b) UNIFIED MANAGEMENT STRUCTURE.—As part  
17 of the small business strategy described in subsection (a),  
18 the Secretary shall ensure that there is a unified manage-  
19 ment structure within the Department for the functions  
20 of the Department relating to—

21           “(1) programs and activities related to small  
22 business concerns (as defined in section 3 of the  
23 Small Business Act);

24           “(2) manufacturing and industrial base policy;  
25 and

1           “(3) any procurement technical assistance pro-  
2           gram established under chapter 142 of this title.

3           “(c) PURPOSE OF SMALL BUSINESS PROGRAMS.—  
4           The Secretary shall ensure that programs and activities  
5           of the Department of Defense related to small business  
6           concerns are carried out so as to further national defense  
7           programs and priorities and the statements of purpose for  
8           Department of Defense acquisition set forth in section 801  
9           of the National Defense Authorization Act for Fiscal Year  
10          2018 (Public Law 115–91; 131 Stat. 1449).

11          “(d) POINTS OF ENTRY INTO DEFENSE MARKET.—  
12          The Secretary shall ensure—

13                 “(1) that opportunities for small business con-  
14                 cerns to contract with the Department of Defense  
15                 are identified clearly; and

16                 “(2) that small business concerns are able to  
17                 have access to program managers, contracting offi-  
18                 cers, and other persons using the products or serv-  
19                 ices of such concern to the extent necessary to in-  
20                 form such persons of emerging and existing capabili-  
21                 ties of such concerns.

22          “(e) ENHANCED OUTREACH UNDER PROCUREMENT  
23          TECHNICAL ASSISTANCE PROGRAM MARKET.—The Sec-  
24          retary shall enable and promote activities to provide co-  
25          ordinated outreach to small business concerns through any

1 procurement technical assistance program established  
2 under chapter 142 of this title to facilitate small business  
3 contracting with the Department of Defense.”.

4 (b) IMPLEMENTATION.—

5 (1) DEADLINE.—The Secretary of Defense shall  
6 develop the small business strategy required by sec-  
7 tion 2283 of title 10, United States Code, as added  
8 by subsection (a), not later than 180 days after the  
9 date of the enactment of this Act.

10 (2) NOTICE TO CONGRESS AND PUBLICATION.—

11 Upon completion of the development of the small  
12 business strategy pursuant to paragraph (1), the  
13 Secretary shall—

14 (A) transmit the strategy to Congress; and

15 (B) publish the strategy on a public  
16 website of the Department of Defense.

17 (c) CLERICAL AMENDMENT.—The table of sections  
18 at the beginning of such chapter is amended by adding  
19 at the end the following new item:

“2283. Department of Defense small business strategy.”.

20 **SEC. 852. PROMPT PAYMENTS OF SMALL BUSINESS CON-**  
21 **TRACTORS.**

22 Section 2307(a) of title 10, United States Code, is  
23 amended—

24 (1) by redesignating paragraphs (1) and (2) as  
25 subparagraphs (A) and (B), respectively;

1           (2) by striking “The head of any agency may—  
2           ” and inserting “(1) The head of any agency may”;  
3           and

4           (3) by adding at the end the following new  
5           paragraph:

6           “(2)(A) For a prime contractor (as defined in section  
7 8701 of title 41) that is a small business concern (as de-  
8 fined in section 3 of the Small Business Act (15 U.S.C.  
9 632)), the Secretary of Defense shall, to the fullest extent  
10 permitted by law, establish an accelerated payment date  
11 with a goal of 15 days after receipt of a proper invoice  
12 for the amount due if a specific payment date is not estab-  
13 lished by contract.

14          “(B) For a prime contractor that subcontracts with  
15 a small business concern, the Secretary of Defense shall,  
16 to the fullest extent permitted by law, establish an acceler-  
17 ated payment date with a goal of 15 days after receipt  
18 of a proper invoice for the amount due if—

19           “(i) a specific payment date is not established  
20           by contract; and

21           “(ii) the prime contractor agrees to make pay-  
22           ments to the subcontractor in accordance with the  
23           accelerated payment date, to the maximum extent  
24           practicable, without any further consideration from  
25           or fees charged to the subcontractor.”.

1 **SEC. 853. INCREASED PARTICIPATION IN THE SMALL BUSI-**  
2 **NESS ADMINISTRATION MICROLOAN PRO-**  
3 **GRAM.**

4 (a) DEFINITIONS.—In this section:

5 (1) The term “intermediary” has the meaning  
6 given that term in section 7(m)(11) of the Small  
7 Business Act (15 U.S.C. 636(m)(11)).

8 (2) The term “microloan program” means the  
9 program established under section 7(m) of the Small  
10 Business Act (15 U.S.C. 636(m)).

11 (b) MICROLOAN INTERMEDIARY LENDING LIMIT IN-  
12 CREASED.—Section 7(m)(3)(C) of the Small Business Act  
13 (15 U.S.C. 636(m)(3)(C)) is amended by striking  
14 “\$5,000,000” and inserting “\$6,000,000”.

15 (c) SBA STUDY OF MICROENTERPRISE PARTICIPA-  
16 TION.—Not later than one year after the date of the enact-  
17 ment of this section, the Administrator of the Small Busi-  
18 ness Administration shall conduct a study and submit to  
19 the Committee on Small Business and Entrepreneurship  
20 of the Senate and the Committee on Small Business of  
21 the House of Representatives a report on—

22 (1) the operations (including services provided,  
23 structure, size, and area of operation) of a rep-  
24 resentative sample of—

1 (A) intermediaries that are eligible to par-  
2 ticipate in the microloan program and that do  
3 participate; and

4 (B) intermediaries that are eligible to par-  
5 ticipate in the microloan program and that do  
6 not participate;

7 (2) the reasons why eligible intermediaries de-  
8 scribed in paragraph (1)(B) choose not to partici-  
9 pate in the microloan program;

10 (3) recommendations on how to encourage in-  
11 creased participation in the microloan program by  
12 eligible intermediaries described in paragraph  
13 (1)(B); and

14 (4) recommendations on how to decrease the  
15 costs associated with participation in the microloan  
16 program for eligible intermediaries.

17 (d) GAO STUDY ON MICROLOAN INTERMEDIARY  
18 PRACTICES.—Not later than one year after the date of  
19 the enactment of this section, the Comptroller General of  
20 the United States shall submit to the Committee on Small  
21 Business and Entrepreneurship of the Senate and the  
22 Committee on Small Business of the House of Representa-  
23 tives a report evaluating—

24 (1) oversight of the microloan program by the  
25 Small Business Administration, including oversight

1 of intermediaries participating in the microloan pro-  
2 gram; and

3 (2) the specific processes used by the Small  
4 Business Administration to ensure—

5 (A) compliance by intermediaries partici-  
6 pating in the microloan program; and

7 (B) the overall performance of the  
8 microloan program.

9 **SEC. 854. AMENDMENTS TO SMALL BUSINESS INNOVATION**  
10 **RESEARCH PROGRAM AND SMALL BUSINESS**  
11 **TECHNOLOGY TRANSFER PROGRAM.**

12 (a) EXTENSION OF PILOT PROGRAMS.—Section 9 of  
13 the Small Business Act (15 U.S.C. 638) is amended—

14 (1) in subsection (cc), by striking “2017” and  
15 inserting “2022”;

16 (2) in subsection (gg)(7), by striking “2017”  
17 and inserting “2022”;

18 (3) in subsection (jj)—

19 (A) in paragraph (4)(A), by striking “3”  
20 and inserting “4”; and

21 (B) in paragraph (7), by striking “2017”  
22 and inserting “2022”;

23 (4) in subsection (mm)—

24 (A) in paragraph (1)—

1 (i) in the matter preceding subpara-  
2 graph (A), by striking “2017” and insert-  
3 ing “2022”;

4 (ii) in subparagraph (I), by striking  
5 “and” at the end;

6 (iii) in subparagraph (J), by striking  
7 the period at the end and inserting “;  
8 and”; and

9 (iv) by adding at the end the fol-  
10 lowing:

11 “(K) funding for improvements that in-  
12 crease commonality across data systems, reduce  
13 redundancy, and improve data oversight and ac-  
14 curacy.”; and

15 (5) by adding at the end the following:

16 “(tt) OUTSTANDING REPORTS AND EVALUATIONS.—

17 “(1) IN GENERAL.—Not later than March 30,  
18 2019, the Administrator shall submit to the Com-  
19 mittee on Small Business and Entrepreneurship of  
20 the Senate, the Committee on Small Business of the  
21 House of Representatives, and the Committee on  
22 Science, Space, and Technology of the House of  
23 Representatives—

24 “(A) each report, evaluation, or analysis,  
25 as applicable, described in subsection (b)(7),

1 (g)(9), (o)(10), (y)(6)(C), (gg)(6), (jj)(6), and  
2 (mm)(6); and

3 “(B) metrics regarding, and an evaluation  
4 of, the authority provided to the National Insti-  
5 tutes of Health, the Department of Defense,  
6 and the Department of Education under sub-  
7 section (cc).

8 “(2) INFORMATION REQUIRED.—Not later than  
9 December 31, 2018, the head of each agency that is  
10 responsible for carrying out a provision described in  
11 subparagraph (A) or (B) of paragraph (1) shall sub-  
12 mit to the Administrator any information that is  
13 necessary for the Administrator to carry out the re-  
14 sponsibilities of the Administrator under that para-  
15 graph.”.

16 (b) ACCELERATING SBIR AND STTR AWARDS.—  
17 Section 9 of the Small Business Act (15 U.S.C. 638) is  
18 amended—

19 (1) in subsection (hh)—

20 (A) by striking “Federal agencies” and in-  
21 serting the following:

22 “(1) IN GENERAL.—Federal agencies”;

23 (B) in paragraph (1), as so designated, by  
24 striking “attempt to”; and

25 (C) by adding at the end the following:

1           “(2) PILOT PROGRAM TO ACCELERATE DEPART-  
2           MENT OF DEFENSE SBIR AND STTR AWARDS.—

3           “(A) IN GENERAL.—Not later than 1 year  
4           after the date of enactment of this paragraph,  
5           the Under Secretary of Defense for Research  
6           and Engineering, acting through the Director of  
7           Defense Procurement and Acquisition Policy of  
8           the Department of Defense, shall establish a  
9           pilot program to reduce the time for awards  
10          under the SBIR and STTR programs of the  
11          Department of Defense, under which the De-  
12          partment of Defense shall—

13                 “(i) develop simplified and standard-  
14                 ized procedures and model contracts  
15                 throughout the Department of Defense for  
16                 Phase I, Phase II, and Phase III SBIR  
17                 awards;

18                 “(ii) for Phase I SBIR and STTR  
19                 awards, reduce the amount of time be-  
20                 tween solicitation closure and award;

21                 “(iii) for Phase II SBIR and STTR  
22                 awards, reduce the amount of time be-  
23                 tween the end of a Phase I award and the  
24                 start of the Phase II award;

1 “(iv) for Phase II SBIR and STTR  
2 awards that skip Phase I, reduce the  
3 amount of time between solicitation closure  
4 and award;

5 “(v) for sequential Phase II SBIR  
6 and STTR awards, reduce the amount of  
7 time between Phase II awards; and

8 “(vi) reduce the award times de-  
9 scribed in clauses (ii), (iii), (iv), and (v) to  
10 be as close to 90 days as possible.

11 “(B) CONSULTATION.—In carrying out the  
12 pilot program under subparagraph (A), the Di-  
13 rector of Defense Procurement and Acquisition  
14 Policy of the Department of Defense shall con-  
15 sult with the Director of the Office of Small  
16 Business Programs of the Department of De-  
17 fense.

18 “(C) TERMINATION.—The pilot program  
19 under subparagraph (A) shall terminate on  
20 September 30, 2022.”; and

21 (2) in subsection (ii)—

22 (A) by striking “Federal agencies” and in-  
23 sserting the following:

24 “(1) IN GENERAL.—Federal agencies”; and

25 (B) by adding at the end the following:

1           “(2) COMPTROLLER GENERAL REPORTS.—The  
2           Comptroller General of the United States shall sub-  
3           mit to the Committee on Small Business and Entre-  
4           preneurship of the Senate, the Committee on Armed  
5           Services of the Senate, the Committee on Small  
6           Business of the House of Representatives, and the  
7           Committee on Armed Services of the House of Rep-  
8           resentatives—

9                   “(A) not later than 1 year after the date  
10                  of enactment of this paragraph, and every year  
11                  thereafter for 3 years, a report that—

12                           “(i) provides the average and median  
13                           amount of time that each component of the  
14                           Department of Defense with an SBIR or  
15                           STTR program takes to review and make  
16                           a final decision on proposals submitted  
17                           under the program; and

18                                   “(ii) compares that average and me-  
19                                   dian amount of time with that of other  
20                                   Federal agencies participating in the SBIR  
21                                   or STTR program; and

22                           “(B) not later than December 5, 2021, a  
23                           report that—

24                                   “(i) includes the information described  
25                                   in subparagraph (A);

1           “(ii) assesses where each Federal  
2           agency participating in the SBIR or STTR  
3           program needs improvement with respect  
4           to the proposal review and award times  
5           under the program;

6           “(iii) identifies best practices for  
7           shortening the proposal review and award  
8           times under the SBIR and STTR pro-  
9           grams, including the pros and cons of  
10          using contracts compared to grants; and

11          “(iv) analyzes the efficacy of the pilot  
12          program established under subsection  
13          (hh)(2).”.

14          (c) IMPROVEMENTS TO TECHNICAL AND BUSINESS  
15          ASSISTANCE.—

16               (1) IN GENERAL.—Section 9(q) of the Small  
17          Business Act (15 U.S.C. 638(q)) is amended—

18                   (A) in the subsection heading, by inserting  
19                   “AND BUSINESS” after “TECHNICAL”;

20                   (B) in paragraph (1)—

21                           (i) in the matter preceding subpara-  
22                           graph (A)—

23                                   (I) by striking “a vendor selected  
24                                   under paragraph (2)” and inserting

1 “1 or more vendors selected under  
2 paragraph (2)(A)”;

3 (II) by inserting “and business”  
4 before “assistance services”; and

5 (III) by inserting “assistance  
6 with product sales, intellectual prop-  
7 erty protections, market research,  
8 market validation, and development of  
9 regulatory plans and manufacturing  
10 plans,” after “technologies,”; and

11 (ii) in subparagraph (D), by inserting  
12 “, including intellectual property protec-  
13 tions” before the period at the end;

14 (C) in paragraph (2)—

15 (i) in the first sentence, by striking  
16 “Each agency may select a vendor to assist  
17 small business concerns to meet” and in-  
18 serting the following:

19 “(A) IN GENERAL.—Each agency may se-  
20 lect 1 or more vendors from which small busi-  
21 ness concerns may obtain assistance in meet-  
22 ing”; and

23 (ii) by adding at the end the fol-  
24 lowing:

1           “(B) SELECTION BY SMALL BUSINESS  
2 CONCERN.—A small business concern may, by  
3 contract or otherwise, select 1 or more vendors  
4 to assist the small business concern in meeting  
5 the goals listed in paragraph (1).”; and

6           (D) in paragraph (3)—

7           (i) by inserting “(A)” after “para-  
8 graph (2)” each place that term appears;

9           (ii) in subparagraph (A), by striking  
10 “\$5,000 per year” each place that term  
11 appears and inserting “\$6,500 per year”;

12           (iii) in subparagraph (B)—

13           (I) by striking “\$5,000 per year”  
14 each place that term appears and in-  
15 serting “\$50,000 per project”; and

16           (II) in clause (ii), by striking  
17 “which shall be in addition to the  
18 amount of the recipient’s award” and  
19 inserting “which may, as determined  
20 appropriate by the head of the Fed-  
21 eral agency, be included as part of the  
22 recipient’s award or be in addition to  
23 the amount of the recipient’s award”;

24           (iv) in subparagraph (C)—

1 (I) by inserting “or business”  
2 after “technical”;

3 (II) by striking “the vendor” and  
4 inserting “a vendor”; and

5 (III) by adding at the end the  
6 following: “Business-related services  
7 aimed at improving the commer-  
8 cialization success of a small business  
9 concern may be obtained from an en-  
10 tity, such as a public or private orga-  
11 nization or an agency of or other enti-  
12 ty established or funded by a State  
13 that facilitates or accelerates the com-  
14 mercialization of technologies or as-  
15 sists in the creation and growth of  
16 private enterprises that are commer-  
17 cializing technology.”;

18 (v) in subparagraph (D)—

19 (I) by inserting “or business”  
20 after “technical” each place that term  
21 appears; and

22 (II) in clause (i), by striking “the  
23 vendor” and inserting “1 or more ven-  
24 dors”; and

1 (vi) by adding at the end the fol-  
2 lowing:

3 “(E) MULTIPLE AWARD RECIPIENTS.—The  
4 Administrator shall establish a limit on the  
5 amount of technical and business assistance  
6 services that may be received or purchased  
7 under subparagraph (B) by a small business  
8 concern that has received multiple Phase II  
9 SBIR or STTR awards for a fiscal year.”; and

10 (E) by adding at the end the following:

11 “(4) ANNUAL REPORTING.—

12 “(A) IN GENERAL.—A small business con-  
13 cern that receives technical or business assist-  
14 ance from a vendor under this subsection dur-  
15 ing a fiscal year shall submit to the Federal  
16 agency contracting with the vendor a descrip-  
17 tion of the technical or business assistance pro-  
18 vided and the benefits and results of the tech-  
19 nical or business assistance provided.

20 “(B) USE OF EXISTING REPORTING MECH-  
21 ANISM.—The information required under sub-  
22 paragraph (A) shall be collected by a Federal  
23 agency as part of a report required to be sub-  
24 mitted by small business concerns engaged in  
25 SBIR or STTR projects of the Federal agency

1           for which the requirement was in effect on the  
2           date of enactment of this paragraph.”.

3           (2) REVIEW.—Not later than the end of fiscal  
4           year 2019, the Administrator of the Small Business  
5           Administration shall—

6                   (A) conduct a survey of vendors providing  
7                   technical or business assistance under section  
8                   9(q) of the Small Business Act (15 U.S.C.  
9                   638(q)), as amended by paragraph (1), and  
10                  small business concerns receiving the technical  
11                  or business assistance; and

12                   (B) submit to the Committee on Small  
13                   Business and Entrepreneurship of the Senate  
14                   and the Committee on Small Business of the  
15                   House of Representatives a report reviewing the  
16                   efficacy of the provision of the technical or busi-  
17                   ness assistance.

18 **SEC. 855. CONSTRUCTION CONTRACT ADMINISTRATION.**

19           Section 15 of the Small Business Act (15 U.S.C. 644)  
20           is amended by adding at the end the following new sub-  
21           section:

22                   “(w) SOLICITATION NOTICE REGARDING ADMINIS-  
23                   TRATION OF CHANGE ORDERS FOR CONSTRUCTION.—

24                   “(1) IN GENERAL.—With respect to any solici-  
25                   tation for the award of a contract for construction

1       anticipated to be awarded to a small business con-  
2       cern, the agency administering such contract shall  
3       provide a notice along with the solicitation to pro-  
4       spective bidders and offerors that includes—

5               “(A) information about the agency’s poli-  
6       cies or practices in complying with the require-  
7       ments of the Federal Acquisition Regulation re-  
8       lating to the timely definitization of requests for  
9       an equitable adjustment; and

10              “(B) information about the agency’s past  
11       performance in definitizing requests for equi-  
12       table adjustments in accordance with paragraph  
13       (2).

14              “(2) REQUIREMENTS FOR AGENCIES.—An  
15       agency shall provide the past performance informa-  
16       tion described under paragraph (1)(B) as follows:

17              “(A) For the 3-year period preceding the  
18       issuance of the notice, to the extent such infor-  
19       mation is available.

20              “(B) With respect to an agency that, on  
21       the date of the enactment of this subsection,  
22       has not compiled the information described  
23       under paragraph (1)(B)—

24              “(i) beginning 1 year after the date of  
25       the enactment of this subsection, for the 1-

1 year period preceding the issuance of the  
2 notice;

3 “(ii) beginning 2 years after the date  
4 of the enactment of this subsection, for the  
5 2-year period preceding the issuance of the  
6 notice; and

7 “(iii) beginning 3 years after the date  
8 of the enactment of this subsection and  
9 each year thereafter, for the 3-year period  
10 preceding the issuance of the notice.

11 “(3) **FORMAT OF PAST PERFORMANCE INFOR-**  
12 **MATION.**—In the notice required under paragraph  
13 (1), the agency shall ensure that the past perform-  
14 ance information described under paragraph (1)(B)  
15 is set forth separately for each definitization action  
16 that was completed during the following periods:

17 “(A) Not more than 30 days after receipt  
18 of a request for an equitable adjustment.

19 “(B) Not more than 60 days after receipt  
20 of a request for an equitable adjustment.

21 “(C) Not more than 90 days after receipt  
22 of a request for an equitable adjustment.

23 “(D) Not more than 180 days after receipt  
24 of a request for an equitable adjustment.

1           “(E) Not more than 365 days after receipt  
2 of a request for an equitable adjustment.

3           “(F) More than 365 days after receipt of  
4 a request for an equitable adjustment.

5           “(G) After the completion of the perform-  
6 ance of the contract through a contract modi-  
7 fication addressing all undefinitized requests for  
8 an equitable adjustment received during the  
9 term of the contract.”.

10 **SEC. 856. COMPTROLLER GENERAL STUDY OF IMPACT OF**  
11 **BROADBAND SPEED AND PRICE ON SMALL**  
12 **BUSINESSES.**

13       (a) **STUDY REQUIRED.**—Subject to appropriations,  
14 the Comptroller General of the United States shall con-  
15 duct a study evaluating the impact of broadband speed  
16 and price on small business concerns (as defined in section  
17 3 of the Small Business Act (15 U.S.C. 632)).

18       (b) **REPORT.**—Not later than three years after the  
19 date of the enactment of this Act, the Comptroller General  
20 shall submit to the Committee on Commerce, Science, and  
21 Transportation and the Committee on Small Business and  
22 Entrepreneurship of the Senate and the Committee on  
23 Energy and Commerce and the Committee on Small Busi-  
24 ness of the House of Representatives a report on the re-  
25 sults of the study under subsection (a), including—

1 (1) a survey of broadband speeds available to  
2 small business concerns;

3 (2) a survey of the cost of broadband speeds  
4 available to small business concerns;

5 (3) a survey of the type of broadband tech-  
6 nology used by small business concerns; and

7 (4) any policy recommendations that may im-  
8 prove the access of small business concerns to com-  
9 parable broadband services at comparable rates in  
10 all regions of the United States.

11 **SEC. 857. CONSOLIDATED BUDGET DISPLAY FOR THE DE-**  
12 **PARTMENT OF DEFENSE SMALL BUSINESS IN-**  
13 **NOVATION RESEARCH PROGRAM AND SMALL**  
14 **BUSINESS TECHNOLOGY TRANSFER PRO-**  
15 **GRAM.**

16 (a) BUDGET DISPLAY SUBMISSION.—The Secretary  
17 of Defense, acting through the Under Secretary of De-  
18 fense for Research and Engineering, shall include in the  
19 materials submitted to Congress by the Secretary of De-  
20 fense in support of the budget of the President for each  
21 fiscal year (as submitted to Congress under section 1105  
22 of title 31, United States Code), a budget display for the  
23 funds assessed for the Small Business Innovation Re-  
24 search Program or the Small Business Technology Trans-  
25 fer Program (as such terms are defined, respectively, in

1 section 9(e) of the Small Business Act (15 U.S.C. 638(e))  
2 of the Department of Defense during the previous fiscal  
3 year.

4 (b) BUDGET DISPLAY REQUIREMENTS.—The budget  
5 display under subsection (a) shall include—

6 (1) for funds assessed, the amount obligated  
7 and expended, by appropriation and functional area,  
8 for the Small Business Innovation Research Pro-  
9 gram or the Small Business Technology Transfer  
10 Program;

11 (2) information, by military department and  
12 other awarding organizations, on Phase I, II, and  
13 III awards;

14 (3) to the extent practicable, specific processes,  
15 products, technologies, or services that were  
16 transitioned to acquisition programs of record, or  
17 other follow-on contracts; and

18 (4) an estimate of the Small Business Innova-  
19 tion Research Program and the Small Business  
20 Technology Transfer Program funding to be as-  
21 sessed during the period covered by the current fu-  
22 ture-years defense program (as defined under section  
23 221 of title 10, United States Code).

1 (c) FIRST SUBMISSION.—The first budget display  
2 under subsection (a) shall be included with the budget for  
3 the President for fiscal year 2020.

4 (d) CONGRESSIONAL COMMITTEES.—The budget dis-  
5 play under subsection (a) shall be submitted to the con-  
6 gressional defense committees, with copies provided to the  
7 Committee on Small Business and Entrepreneurship of  
8 the Senate and the Committee on Small Business of the  
9 House of Representatives.

10 (e) TERMINATION.—The requirements of this section  
11 shall terminate on December 31, 2022.

12 (f) RULE OF CONSTRUCTION.—Nothing in this sec-  
13 tion shall be construed to modify or otherwise affect the  
14 requirement to expend amounts for the Small Business In-  
15 novation Research Program and the Small Business Tech-  
16 nology Transfer Program of the Department of Defense  
17 under subsections (f) and (n) of section 9 of the Small  
18 Business Act (15 U.S.C. 638).

19 **SEC. 858. FUNDING FOR PROCUREMENT TECHNICAL AS-**  
20 **SISTANCE PROGRAM.**

21 (a) AMOUNT OF ASSISTANCE FROM SECRETARY.—  
22 Section 2413(b) of title 10, United States Code, is amend-  
23 ed—

24 (1) by striking “not more than 65 percent” and  
25 inserting “not more than 75 percent”; and

1           (2) in paragraph (1), by striking “more than 65  
2           percent, but not more than 75 percent” and insert-  
3           ing “more than 75 percent, but not more than 85  
4           percent”.

5           (b) FUNDING FOR ELIGIBLE ENTITIES.—Section  
6 2414(a) of such title is amended—

7           (1) in paragraph (1), by striking “\$750,000”  
8           and inserting “\$1,000,000”;

9           (2) in paragraph (2), by striking “\$450,000”  
10          and inserting “\$750,000”;

11          (3) in paragraph (3), by striking “\$300,000”  
12          and inserting “\$450,000”; and

13          (4) in paragraph (4), by striking “\$750,000”  
14          and inserting “\$1,000,000”.

15 **SEC. 859. AUTHORIZATION FOR PAYMENT OF CERTAIN**  
16 **COSTS RELATING TO PROCUREMENT TECH-**  
17 **NICAL ASSISTANCE CENTERS.**

18          (a) AUTHORIZATION TO PAY COSTS RELATING TO  
19 MEETINGS OF ELIGIBLE ENTITIES.—Section 2417 of title  
20 10, United States Code, is amended—

21          (1) in the heading, by inserting “**and other**”  
22          after “**Administrative**”;

23          (2) by striking “chapter, an amount” and in-  
24          serting “chapter—  
25          “(1) an amount”;

1           (3) by striking the period at the end and insert-  
2           ing “; and”; and

3           (4) by adding at the end the following new  
4           paragraph:

5           “(2) an amount determined appropriate by the  
6           Director to assist eligible entities in payment of  
7           costs of eligible entities —

8                   “(A) for meetings to discuss best practices  
9                   for the improvement of the operations of pro-  
10                   curement technical assistance centers; and

11                   “(B) for membership dues for any associa-  
12                   tion of such centers created by eligible entities,  
13                   training fees and associated travel for training  
14                   to carry out the purposes of this chapter, and  
15                   voluntary participation on any committees or  
16                   board of such an association.”.

17           (b) BRIEFING.—Not later than six months after the  
18           date of the enactment of this Act, the Director of the De-  
19           fense Logistics Agency shall brief the congressional de-  
20           fense committees on the recognition or lack of recognition  
21           by the Department of Defense of procurement technical  
22           assistance center associations and the rationale for the  
23           recognition or lack of recognition, including a discussion  
24           of whether the Department needs authority to recognize  
25           such associations.

1 **SEC. 860. COMMERCIALIZATION ASSISTANCE PILOT PRO-**  
2 **GRAM.**

3 Section 9 of the Small Business Act (15 U.S.C. 638)  
4 is amended by adding at the end the following new sub-  
5 section:

6 “(uu) COMMERCIALIZATION ASSISTANCE PILOT PRO-  
7 GRAMS.—

8 “(1) PILOT PROGRAMS IMPLEMENTED.—

9 “(A) IN GENERAL.—Except as provided in  
10 subparagraph (B), not later than one year after  
11 the date of the enactment of this subsection, a  
12 covered agency shall implement a commer-  
13 cialization assistance pilot program, under  
14 which an eligible entity may receive a subse-  
15 quent Phase II SBIR award.

16 “(B) EXCEPTION.—If the Administrator  
17 determines that a covered agency has a pro-  
18 gram that is sufficiently similar to the commer-  
19 cialization assistance pilot program established  
20 under this subsection, such covered agency shall  
21 not be required to implement a commercializa-  
22 tion assistance pilot program under this sub-  
23 section.

24 “(2) PERCENT OF AGENCY FUNDS.—The head  
25 of each covered agency may allocate not more than  
26 5 percent of the funds allocated to the SBIR pro-

1       gram of the covered agency for the purpose of mak-  
2       ing a subsequent Phase II SBIR award under the  
3       commercialization assistance pilot program.

4           “(3) TERMINATION.—A commercialization as-  
5       sistance pilot program established under this sub-  
6       section shall terminate on September 30, 2022.

7           “(4) APPLICATION.—To be selected to receive a  
8       subsequent Phase II SBIR award under a commer-  
9       cialization assistance pilot program, an eligible enti-  
10      ty shall submit to the covered agency implementing  
11      such pilot program an application at such time, in  
12      such manner, and containing such information as  
13      the covered agency may require, including—

14           “(A) an updated Phase II commercializa-  
15      tion plan; and

16           “(B) the source and amount of the match-  
17      ing funding required under paragraph (5).

18           “(5) MATCHING FUNDING.—

19           “(A) IN GENERAL.—The Administrator  
20      shall require, as a condition of any subsequent  
21      Phase II SBIR award made to an eligible entity  
22      under this subsection, that a matching amount  
23      (excluding any fees collected by the eligible enti-  
24      ty receiving such award) equal to the amount of

1           such award be provided from an eligible third-  
2           party investor.

3           “(B) INELIGIBLE SOURCES.—An eligible  
4           entity may not use funding from ineligible  
5           sources to meet the matching requirement of  
6           subparagraph (A).

7           “(6) AWARD.—A subsequent Phase II SBIR  
8           award made to an eligible entity under this sub-  
9           section—

10           “(A) may not exceed the limitation de-  
11           scribed under subsection (aa)(1); and

12           “(B) shall be disbursed during Phase II.

13           “(7) USE OF FUNDS.—The funds awarded to  
14           an eligible entity under this subsection may only be  
15           used for research and development activities that  
16           build on eligible entity’s Phase II program and en-  
17           sure the research funded under such Phase II is  
18           rapidly progressing towards commercialization.

19           “(8) SELECTION.—In selecting eligible entities  
20           to participate in a commercialization assistance pilot  
21           program under this subsection, the head of a covered  
22           agency shall consider—

23           “(A) the extent to which such award could  
24           aid the eligible entity in commercializing the re-

1 search funded under the eligible entity's Phase  
2 II program;

3 "(B) whether the updated Phase II com-  
4 mercialization plan submitted under paragraph  
5 (4) provides a sound approach for establishing  
6 technical feasibility that could lead to commer-  
7 cialization of such research;

8 "(C) whether the proposed activities to be  
9 conducted under such updated Phase II com-  
10 mercialization plan further improve the likeli-  
11 hood that such research will provide societal  
12 benefits;

13 "(D) whether the small business concern  
14 has progressed satisfactorily in Phase II to jus-  
15 tify receipt of a subsequent Phase II SBIR  
16 award;

17 "(E) the expectations of the eligible third-  
18 party investor that provides matching funding  
19 under paragraph (5); and

20 "(F) the likelihood that the proposed ac-  
21 tivities to be conducted under such updated  
22 Phase II commercialization plan using matching  
23 funding provided by such eligible third-party in-  
24 vestor will lead to commercial and societal ben-  
25 efit.

1           “(9) EVALUATION REPORT.—Not later than 6  
2           years after the date of the enactment of this sub-  
3           section, the Comptroller General of the United  
4           States shall submit to the Committee on Science,  
5           Space, and Technology and the Committee on Small  
6           Business of the House of Representatives, and the  
7           Committee on Small Business and Entrepreneurship  
8           of the Senate, a report including—

9                   “(A) a summary of the activities of com-  
10                   mercialization assistance pilot programs carried  
11                   out under this subsection;

12                   “(B) a detailed compilation of results  
13                   achieved by such commercialization assistance  
14                   pilot programs, including the number of eligible  
15                   entities that received awards under such pro-  
16                   grams;

17                   “(C) the rate at which each eligible entity  
18                   that received a subsequent Phase II SBIR  
19                   award under this subsection commercialized re-  
20                   search of the recipient;

21                   “(D) the growth in employment and rev-  
22                   enue of eligible entities that is attributable to  
23                   participation in a commercialization assistance  
24                   pilot program;

1           “(E) a comparison of commercialization  
2 success of eligible entities participating in a  
3 commercialization assistance pilot program with  
4 recipients of an additional Phase II SBIR  
5 award under subsection (ff);

6           “(F) demographic information, such as  
7 ethnicity and geographic location, of eligible en-  
8 tities participating in a commercialization as-  
9 sistance pilot program;

10           “(G) an accounting of the funds used at  
11 each covered agency that implements a commer-  
12 cialization assistance pilot program under this  
13 subsection;

14           “(H) the amount of matching funding pro-  
15 vided by eligible third-party investors, set forth  
16 separately by source of funding;

17           “(I) an analysis of the effectiveness of the  
18 commercialization assistance pilot program im-  
19 plemented by each covered agency; and

20           “(J) recommendations for improvements to  
21 the commercialization assistance pilot program.

22           “(10) DEFINITIONS.—For purposes of this sub-  
23 section:

1           “(A) COVERED AGENCY.—The term ‘cov-  
2           ered agency’ means a Federal agency required  
3           to have an SBIR program.

4           “(B) ELIGIBLE ENTITY.—The term ‘eligi-  
5           ble entity’ means a small business concern that  
6           has received a Phase II award under an SBIR  
7           program and an additional Phase II SBIR  
8           award under subsection (ff) from the covered  
9           agency to which such small business concern is  
10          applying for a subsequent Phase II SBIR  
11          award.

12          “(C) ELIGIBLE THIRD-PARTY INVESTOR.—  
13          The term ‘eligible third-party investor’ means a  
14          small business concern other than an eligible  
15          entity, a venture capital firm, an individual in-  
16          vestor, a non-SBIR Federal, State or local gov-  
17          ernment, or any combination thereof.

18          “(D) INELIGIBLE SOURCES.—The term  
19          ‘ineligible sources’ means the following:

20                 “(i) The eligible entity’s internal re-  
21                 search and development funds.

22                 “(ii) Funding in forms other than  
23                 cash, such as in-kind or other intangible  
24                 assets.

1                   “(iii) Funding from the owners of the  
2                   eligible entity, or the family members or  
3                   affiliates of such owners.

4                   “(iv) Funding attained through loans  
5                   or other forms of debt obligations.

6                   “(E) SUBSEQUENT PHASE II SBIR  
7                   AWARD.—The term ‘subsequent Phase II SBIR  
8                   award’ means an award granted to an eligible  
9                   entity under this subsection to carry out further  
10                  commercialization activities for research con-  
11                  ducted pursuant to an SBIR program.”.

12 **SEC. 861. PUERTO RICO BUSINESSES.**

13                  (a) DEFINITION OF PUERTO RICO BUSINESS.—Sec-  
14                  tion 3 of the Small Business Act (15 U.S.C. 632) is  
15                  amended by adding at the end the following new sub-  
16                  section:

17                  “(ee) PUERTO RICO BUSINESS.—In this Act, the  
18                  term ‘Puerto Rico business’ means a small business con-  
19                  cern that has its principal office located in the Common-  
20                  wealth of Puerto Rico.”.

21                  (b) SMALL BUSINESS CREDIT FOR PUERTO RICO  
22                  BUSINESSES.—Section 15 of the Small Business Act (15  
23                  U.S.C. 644) is amended by adding at the end the following  
24                  new subsection:

1       “(x) SMALL BUSINESS CREDIT FOR PUERTO RICO  
2 BUSINESSES.—

3               “(1) CREDIT FOR MEETING CONTRACTING  
4 GOALS.—If an agency awards a prime contract to  
5 Puerto Rico business during the period beginning on  
6 the date of enactment of this subsection and ending  
7 on the date that is 4 years after such date of enact-  
8 ment, the value of the contract shall be doubled for  
9 purposes of determining compliance with the goals  
10 for procurement contracts under subsection  
11 (g)(1)(A)(i) during such period.

12               “(2) REPORT.—Along with the report required  
13 under subsection (h)(1), the head of each Federal  
14 agency shall submit to the Administrator, and make  
15 publicly available on the scorecard described in sec-  
16 tion 868(b) of the National Defense Authorization  
17 Act for Fiscal Year 2016 (15 U.S.C. 644 note), an  
18 analysis of the number and dollar amount of prime  
19 contracts awarded pursuant to paragraph (1) for  
20 each fiscal year of the period described in such para-  
21 graph.”.

22       (c) PRIORITY FOR SURPLUS PROPERTY TRANS-  
23 FERS.—Section 7(j)(13)(F) of the Small Business Act (15  
24 U.S.C. 636(j)(13)(F)) is amended by adding at the end  
25 the following new clause:

1           “(iii)(I) In this clause, the term ‘covered period’  
2 means the period beginning on the date of enact-  
3 ment of this clause and ending on the date on which  
4 the Oversight Board established under section 101  
5 of the Puerto Rico Oversight, Management, and  
6 Economic Stability Act (48 U.S.C. 2121) termi-  
7 nates.

8           “(II) The Administrator may transfer tech-  
9 nology or surplus property under clause (i) to a  
10 Puerto Rico business if the Puerto Rico business  
11 meets the requirements for such a transfer, without  
12 regard to whether the Puerto Rico business is a Pro-  
13 gram Participant.”.

14           (d) CONTRACTING INCENTIVES FOR PROTEGE FIRMS  
15 THAT ARE PUERTO RICO BUSINESSES.—

16           (1) IN GENERAL.—Section 45(a) of the Small  
17 Business Act (15 U.S.C. 657r(a)) is amended by  
18 adding at the end the following new paragraph:

19           “(3) PUERTO RICO BUSINESSES.—During the  
20 period beginning on the date of enactment of this  
21 paragraph and ending on the date on which the  
22 Oversight Board established under section 101 of  
23 the Puerto Rico Oversight, Management, and Eco-  
24 nomic Stability Act (48 U.S.C. 2121) terminates,  
25 the Administrator shall identify potential incentives

1 to a covered mentor that awards a subcontract to its  
2 covered protege, including—

3 “(A) positive consideration in any past per-  
4 formance evaluation of the covered mentor; and

5 “(B) the application of costs incurred for  
6 providing training to such covered protege to  
7 the subcontracting plan (as required under  
8 paragraph (4) or (5) of section 8(d)) of the cov-  
9 ered mentor.”.

10 (2) DEFINITIONS.—Section 45(d) of the Small  
11 Business Act (15 U.S.C. 657r(d)) is amended by  
12 adding at the end the following new paragraphs:

13 “(4) COVERED MENTOR.—The term ‘covered  
14 mentor’ means a mentor that enters into an agree-  
15 ment under this Act, or under any mentor-protege  
16 program approved under subsection (b)(1), with a  
17 covered protege.

18 “(5) COVERED PROTEGE.—The term ‘covered  
19 protege’ means a protege of a covered mentor that  
20 is a Puerto Rico business.”.

21 (e) ADDITIONAL MENTOR-PROTEGE RELATIONSHIPS  
22 FOR PROTEGE FIRMS THAT ARE PUERTO RICO BUSI-  
23 NESSES.—Section 45(b)(3)(A) of the Small Business Act  
24 (15 U.S.C. 657r(b)(3)(A)) is amended by inserting “, ex-  
25 cept that such restrictions shall not apply to up to 2 men-

1 tor-protege relationships if such relationships are between  
2 a covered protege and covered mentor” after “each partici-  
3 pant”.

4 **SEC. 862. OPPORTUNITIES FOR EMPLOYEE-OWNED BUSI-**  
5 **NESS CONCERNS THROUGH SMALL BUSINESS**  
6 **ADMINISTRATION LOAN PROGRAMS.**

7 (a) DEFINITIONS.—In this Act—

8 (1) the terms “Administration” and “Adminis-  
9 trator” means the Small Business Administration  
10 and the Administrator thereof, respectively;

11 (2) the term “cooperative” means an entity  
12 that is determined to be a cooperative by the Admin-  
13 istrator, in accordance with applicable Federal and  
14 State laws and regulations;

15 (3) the term “employee-owned business con-  
16 cern” means—

17 (A) a cooperative; and

18 (B) a qualified employee trust;

19 (4) the terms “qualified employee trust” and  
20 “small business concern” have the meanings given  
21 those terms in section 3 of the Small Business Act  
22 (15 U.S.C. 632); and

23 (5) the term “small business development cen-  
24 ter” means a small business development center de-

1 scribed in section 21 of the Small Business Act (15  
2 U.S.C. 648).

3 (b) EXPANSION OF 7(A) LOANS.—

4 (1) IN GENERAL.—Section 7(a) of the Small  
5 Business Act (15 U.S.C. 636(a)) is amended—

6 (A) in paragraph (15)—

7 (i) in subparagraph (A)—

8 (I) by striking “this subsection to  
9 qualified employee trusts” and insert-  
10 ing “this subsection—

11 “(i) to qualified employee trusts”;

12 (II) in clause (i), as so des-  
13 ignated—

14 (aa) by inserting “, and for  
15 any transaction costs associated  
16 with purchasing,” after “pur-  
17 chasing”;

18 (bb) by striking the period  
19 at the end and inserting “; and”;  
20 and

21 (III) by adding at the end the  
22 following:

23 “(ii) to a small business concern under a  
24 plan approved by the Administrator, if the pro-  
25 ceeds from the loan are only used to make a

1 loan to a qualified employee trust, and for any  
2 transaction costs associated with making that  
3 loan, that results in the qualified employee trust  
4 owning at least 51 percent of the small business  
5 concern.”;

6 (ii) in subparagraph (B)—

7 (I) in the matter preceding clause  
8 (i), by inserting “or by the small busi-  
9 ness concern” after “the trustee of  
10 such trust”;

11 (II) in clause (ii), by striking  
12 “and” at the end;

13 (III) in clause (iii), by striking  
14 the period at the end and inserting “,  
15 and”;

16 (IV) by adding at the end the fol-  
17 lowing:

18 “(iv) with respect to a loan made to a  
19 trust, or to a cooperative in accordance with  
20 paragraph (35)—

21 “(I) a seller of the small business con-  
22 cern may remain involved as an officer, di-  
23 rector, or key employee of the small busi-  
24 ness concern when a qualified employee  
25 trust or cooperative has acquired 100 per-

1 cent of ownership of the small business  
2 concern; and

3 “(II) any seller of the small business  
4 concern who remains as an owner of the  
5 small business concern, regardless of the  
6 percentage of ownership interest, shall be  
7 required to provide a personal guarantee  
8 by the Administration.”; and

9 (iii) by adding at the end the fol-  
10 lowing:

11 “(F) A small business concern that makes a  
12 loan to a qualified employee trust under subpara-  
13 graph (A)(ii) is not required to contain the same  
14 terms and conditions as the loan made to the small  
15 business concern that is guaranteed by the Adminis-  
16 tration under such subparagraph.

17 “(G) With respect to a loan made to a qualified  
18 employee trust under this paragraph, or to a cooper-  
19 ative in accordance with paragraph (35), the Admin-  
20 istrator may, as deemed appropriate, elect to not re-  
21 quire any mandatory equity to be provided by the  
22 qualified employee trust or cooperative to make the  
23 loan.”; and

24 (B) by adding at the end the following:

25 “(35) LOANS TO COOPERATIVES.—

1           “(A) DEFINITION.—In this paragraph, the  
2           term ‘cooperative’ means an entity that is de-  
3           termined to be a cooperative by the Adminis-  
4           trator, in accordance with applicable Federal  
5           and State laws and regulation.

6           “(B) AUTHORITY.—The Administration  
7           shall guarantee loans made to a cooperative for  
8           the purpose described in paragraph (15).”.

9           (2) DELEGATION OF AUTHORITY TO PRE-  
10          FERRED LENDERS.—Section 5(b)(7) of the Small  
11          Business Act (15 U.S.C. 634(b)(7)) is amended by  
12          inserting “, including loans guaranteed under para-  
13          graph (15) or (35) of section 7(a)” after “deferred  
14          participation loans”.

15          (c) SMALL BUSINESS INVESTMENT COMPANY PRO-  
16          GRAM OUTREACH.—The Administrator shall provide out-  
17          reach and educational materials to companies licensed  
18          under section 301(c) of the Small Business Investment  
19          Act of 1958 (15 U.S.C. 681(c)) to increase the use of  
20          funds to make investments in company transitions to em-  
21          ployee-owned business concerns.

22          (d) SMALL BUSINESS MICROLOAN PROGRAM OUT-  
23          REACH.—The Administrator shall provide outreach and  
24          educational materials to intermediaries under section 7(m)  
25          of the Small Business Act (15 U.S.C. 636(m)) to increase

1 the use of funds to make loans to employee-owned busi-  
2 ness concerns, including transitions to employee-owned  
3 business concerns.

4 (e) SMALL BUSINESS DEVELOPMENT CENTER OUT-  
5 REACH AND ASSISTANCE.—

6 (1) ESTABLISHMENT.—The Administrator shall  
7 establish a Small Business Employee Ownership and  
8 Cooperatives Promotion Program to offer technical  
9 assistance and training on the transition to employee  
10 ownership through cooperatives and qualified em-  
11 ployee trusts.

12 (2) SMALL BUSINESS DEVELOPMENT CEN-  
13 TERS.—

14 (A) IN GENERAL.—In carrying out the  
15 program established under subsection (a), the  
16 Administrator shall enter into agreements with  
17 small business development centers under which  
18 the centers shall—

19 (i) provide access to information and  
20 resources on employee ownership through  
21 cooperatives or qualified employee trusts as  
22 a business succession strategy;

23 (ii) conduct training and educational  
24 activities; and

1 (iii) carry out the activities described  
2 in subparagraph (U) of section 21(c)(3) of  
3 the Small Business Act (15 U.S.C.  
4 648(c)(3)).

5 (B) ADDITIONAL SERVICES.—Section  
6 21(c)(3) of the Small Business Act (15 U.S.C.  
7 648(c)(3)) is amended—

8 (i) in subparagraph (S), by striking  
9 “and” at the end;

10 (ii) in subparagraph (T), by striking  
11 the period at the end and inserting “;  
12 and”; and

13 (iii) by adding at the end the fol-  
14 lowing:

15 “(U) encouraging and assisting the provision of  
16 succession planning to small business concerns with  
17 a focus on transitioning to cooperatives, as defined  
18 in section 7(a)(35), and qualified employee trusts  
19 (collectively referred to in this subparagraph as ‘em-  
20 ployee-owned business concerns’), including by—

21 “(i) providing training to individuals to  
22 promote the successful management, govern-  
23 ance, or operation of a business purchased by  
24 those individuals in the formation of an em-  
25 ployee-owned business concern;

1           “(ii) assisting employee-owned business  
2 concerns that meet applicable size standards es-  
3 tablished under section 3(a) with education and  
4 technical assistance with respect to financing  
5 and contracting programs administered by the  
6 Administration;

7           “(iii) coordinating with lenders on con-  
8 ducting outreach on financing through pro-  
9 grams administered by the Administration that  
10 may be used to support the transition of owner-  
11 ship to employees;

12           “(iv) supporting small business concerns in  
13 exploring or assessing the possibility of  
14 transitioning to an employee-owned business  
15 concern; and

16           “(v) coordinating with the cooperative de-  
17 velopment centers of the Department of Agri-  
18 culture, the land grant extension network, the  
19 Manufacturing Extension Partnership, commu-  
20 nity development financial institutions, em-  
21 ployee ownership associations and service pro-  
22 viders, and local, regional and national coopera-  
23 tive associations.”.

24           (f) AMENDMENT TO REPORT TO CONGRESS ON STA-  
25 TUS OF EMPLOYEE-OWNED FIRMS.—Section 7(a)(15)(E)

1 of the Small Business Act (15 U.S.C. 636(a)(15)(E)) is  
2 amended by striking “Administration.” and inserting “Ad-  
3 ministration, which shall include—

4 “(i) the total number of loans made to  
5 employee-owned business concerns that  
6 were guaranteed by the Administrator  
7 under section 7(a) of the Small Business  
8 Act (15 U.S.C. 636(a)) or section 502 of  
9 the Small Business Investment Act of  
10 1958 (15 U.S.C. 696), including the num-  
11 ber of loans made—

12 “(I) to small business concerns  
13 owned and controlled by socially and  
14 economically disadvantaged individ-  
15 uals; and

16 “(II) to cooperatives;

17 “(ii) the total number of financings  
18 made to employee-owned business concerns  
19 by companies licensed under section 301(c)  
20 of the Small Business Investment Act of  
21 1958 (15 U.S.C. 696(c)), including the  
22 number of financings made—

23 “(I) to small business concerns  
24 owned and controlled by socially and

1 economically disadvantaged individ-  
2 uals; and

3 “(II) to cooperatives; and

4 “(iii) any outreach and educational  
5 activities conducted by the Administration  
6 with respect to employee-owned business  
7 concerns.”.

8 (g) REPORT ON COOPERATIVE LENDING.—

9 (1) SENSE OF CONGRESS.—It is the sense of  
10 Congress that cooperatives have a unique business  
11 structure and are unable to access the lending pro-  
12 grams of the Administration effectively due to loan  
13 guarantee requirements that are incompatible with  
14 the business structure of cooperatives.

15 (2) STUDY AND REPORT.—

16 (A) STUDY.—The Administrator, in coordi-  
17 nation with lenders, stakeholders, and Federal  
18 agencies, shall study and recommend practical  
19 alternatives for cooperatives that will satisfy the  
20 loan guarantee requirements of the Administra-  
21 tion.

22 (B) REPORT.—Not later than 180 days  
23 after the date of enactment of this Act, the Ad-  
24 ministrator shall submit to Congress the rec-  
25 ommendations developed under paragraph (1)

1 and a plan to implement such recommenda-  
2 tions.

3 (h) AMENDMENT TO DEFINITION OF QUALIFIED EM-  
4 PLOYEE TRUST.—Section 3(c)(2)(A)(ii) of the Small  
5 Business Act (15 U.S.C. 632(c)(2)(A)(ii)) is amended to  
6 read as follows:

7 “(ii) which provides that each participant  
8 is entitled to direct the plan trustee as to the  
9 manner of how to vote the qualified employer  
10 securities (as defined in section 4975(e)(8) of  
11 the Internal Revenue Code of 1986), which are  
12 allocated to the account of such participant  
13 with respect to a corporate matter which (by  
14 law or charter) must be decided by a vote con-  
15 ducted in accordance with section 409(e) of the  
16 Internal Revenue Code of 1986; and”.

17 **Subtitle G—Provisions Related to**  
18 **Software and Technical Data**  
19 **Matters**

20 **SEC. 865. VALIDATION OF PROPRIETARY AND TECHNICAL**  
21 **DATA.**

22 Section 2321(f) of title 10, United States Code, is  
23 amended—

24 (1) by striking “(1) Except as provided in para-  
25 graph (2), in” and inserting “In”; and

1 (2) by striking paragraph (2).

2 **SEC. 866. CONTINUATION OF TECHNICAL DATA RIGHTS**  
3 **DURING CHALLENGES.**

4 (a) EXERCISE OF RIGHTS IN TECHNICAL DATA BE-  
5 FORE FINAL DISPOSITION OF A CHALLENGE.—Section  
6 2321(i) of title 10, United States Code, is amended—

7 (1) in the subsection heading, by inserting  
8 “PRIOR TO AND” after “RIGHTS AND LIABILITY”;

9 (2) by redesignating paragraphs (1) and (2) as  
10 paragraphs (2) and (3), respectively; and

11 (3) by inserting before paragraph (2), as so re-  
12 designated, the following new paragraph:

13 “(1) Upon filing of a suit or appeal under the con-  
14 tract dispute statute by a contractor or subcontractor in  
15 an agency Board of Contract Appeals or United States  
16 Claims Court related to a decision made by a contracting  
17 officer under subsection (g), the Secretary of Defense, or  
18 a Secretary of a military department for programs for  
19 which milestone decision authority has been delegated, on  
20 a nondelegable basis, may, following notice to the con-  
21 tractor or subcontractor, authorize use of the technical  
22 data in dispute if the Secretary determines in writing that  
23 compelling mission readiness requirements will not permit  
24 awaiting the final decision by the agency Board of Con-  
25 tract Appeals or the United States Claims Court.”.

1           (b) REVISION OF THE DEFENSE FEDERAL ACQUI-  
2   TION REGULATION SUPPLEMENT.—Not later than 180  
3   days after the date of the enactment of this Act, the Sec-  
4   retary of Defense shall revise the Defense Federal Acquisi-  
5   tion Regulation Supplement, by interim or final rule, to  
6   implement the amendments made by subsection (a).

7           (c) EFFECTIVE DATE.—The amendments made by  
8   subsection (a) and the revision required by subsection (b)  
9   shall become effective on the date of publication of the  
10  interim or final rule (whichever is earlier) required by sub-  
11  section (b) and shall apply to solicitations issued by De-  
12  partment of Defense contracting activities after that date  
13  unless the senior procurement executive of the agency con-  
14  cerned grants a waiver on a case-by-case basis.

15          (d) GUIDANCE ON TECHNICAL DATA RIGHT NEG-  
16  TIATION.—The Secretary of Defense shall develop policies  
17  on the negotiation of technical data rights for noncommer-  
18  cial software that reflects the Department of Defense's  
19  needs for technical data rights in the event of a protest  
20  or replacement of incumbent contractor to meet defense  
21  requirements in the most cost effective manner.

1 **SEC. 867. REQUIREMENT FOR NEGOTIATION OF TECH-**  
2 **NICAL DATA PRICE BEFORE SUSTAINMENT**  
3 **OF MAJOR WEAPON SYSTEMS.**

4 Section 2439 of title 10, United States Code, is  
5 amended—

6 (1) by inserting “, to the maximum extent prac-  
7 ticable,” after “shall ensure”;

8 (2) by striking “or for the production of a  
9 major weapon system” and inserting “production of  
10 a major weapon system, or sustainment of a major  
11 weapon system”;

12 (3) by striking “or production” and inserting “,  
13 production, or sustainment”; and

14 (4) in the heading, by striking “**or produc-**  
15 **tion**” and inserting “, **production, or**  
16 **sustainment**”.

17 **SEC. 868. IMPLEMENTATION OF RECOMMENDATIONS OF**  
18 **THE FINAL REPORT OF THE DEFENSE**  
19 **SCIENCE BOARD TASK FORCE ON THE DE-**  
20 **SIGN AND ACQUISITION OF SOFTWARE FOR**  
21 **DEFENSE SYSTEMS.**

22 (a) IMPLEMENTATION REQUIRED.—Not later than  
23 18 months after the date of the enactment of this Act,  
24 the Secretary of Defense shall, except as provided under  
25 subsection (b), commence implementation of each rec-  
26 ommendation submitted as part of the final report of the

1 Defense Science Board Task Force on the Design and Ac-  
2 quisition of Software for Defense Systems.

3 (b) EXCEPTIONS.—

4 (1) DELAYED IMPLEMENTATION.—The Sec-  
5 retary of Defense may commence implementation of  
6 a recommendation described under subsection (a)  
7 later than the date required under such subsection  
8 if the Secretary provides the congressional defense  
9 committees with a specific justification for the delay  
10 in implementation of such recommendation.

11 (2) NONIMPLEMENTATION.—The Secretary of  
12 Defense may opt not to implement a recommenda-  
13 tion described under subsection (a) if the Secretary  
14 provides to the congressional defense committees—

15 (A) the reasons for the decision not to im-  
16 plement the recommendation; and

17 (B) a summary of the alternative actions  
18 the Secretary plans to take to address the pur-  
19 poses underlying the recommendation.

20 (c) IMPLEMENTATION PLANS.—For each rec-  
21 ommendation that the Secretary is implementing, or that  
22 the Secretary plans to implement, the Secretary shall sub-  
23 mit to the congressional defense committees—

24 (1) a summary of actions that have been taken  
25 to implement the recommendation; and

1           (2) a schedule, with specific milestones, for  
2           completing the implementation of the recommenda-  
3           tion.

4 **SEC. 869. IMPLEMENTATION OF PILOT PROGRAM TO USE**  
5           **AGILE OR ITERATIVE DEVELOPMENT METH-**  
6           **ODS REQUIRED UNDER SECTION 873 OF THE**  
7           **NATIONAL DEFENSE AUTHORIZATION ACT**  
8           **FOR FISCAL YEAR 2018.**

9           (a) IN GENERAL.—Not later than 30 days after the  
10          date of the enactment of this Act, the Secretary of Defense  
11          shall include the following systems in the pilot program  
12          to use agile or iterative development methods pursuant to  
13          section 873 of the National Defense Authorization Act for  
14          Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2223a  
15          note):

16               (1) Defense Retired and Annuitant Pay System  
17               2 (DRAS2), Defense Logistics Agency.

18               (2) Army Integrated Air and Missile Defense  
19               (AIAMD), Army.

20               (3) Army Contract Writing System (ACWS),  
21               Army.

22               (4) Defense Enterprise Accounting and Man-  
23               agement System (DEAMS) Inc2, Air Force.

24               (5) Item Master, Air Force.

1           (b) ADDITIONS TO LIST.—Not later than 30 days  
2 after the date of the enactment of this Act, the Secretary  
3 of Defense shall identify three additional systems for par-  
4 ticipation in the pilot program pursuant to section 873  
5 of the National Defense Authorization Act for Fiscal Year  
6 2018 (Public Law 115–91; 10 U.S.C. 2223a note) and  
7 notify the congressional defense committees of the addi-  
8 tions.

9           (c) COMMUNITY OF PRACTICE ADVISING ON AGILE  
10 OR ITERATIVE DEVELOPMENT.—The Under Secretary of  
11 Defense for Acquisition and Sustainment shall establish  
12 a Community of Practice on agile or iterative methods so  
13 that programs that have been incorporating agile or  
14 iterative methods can share with programs participating  
15 in the pilot the lessons learned, best practices, and rec-  
16 ommendations for improvements to acquisition and sup-  
17 porting processes. The Service Acquisition Executives of  
18 the military departments shall send representation from  
19 the following programs, which have reported using agile  
20 or iterative methods:

21                   (1) Air and Space Operations Center (AOC).

22                   (2) Command Control Battle Management and  
23           Communications (C2BMC).

24                   (3) The family of Distributed Common Ground  
25           Systems.

1           (4) The family of Global Command and Control  
2       Systems.

3           (5) Navy Personnel and Pay (NP2).

4           (6) Other programs and activities as appro-  
5       priate.

6       (d) REPORT.—Not later than 180 days after the date  
7 of the enactment of this Act, the Secretary of Defense  
8 shall report to the congressional defense committees on  
9 the status of the pilot program and each system partici-  
10 pating in the pilot. The report shall include the following  
11 elements:

12           (1) A description of how cost and schedule esti-  
13       mates in support of the program are being con-  
14       ducted and using what methods.

15           (2) The contracting strategy and types of con-  
16       tracts that will be used in executing the program.

17           (3) A description of how intellectual property  
18       ownership issues associated with software applica-  
19       tions developed with agile or iterative methods will  
20       be addressed to ensure future sustainment, mainte-  
21       nance, and upgrades to software applications after  
22       the applications are fielded.

23           (4) A description of the tools and software ap-  
24       plications that are expected to be developed for the

1 program and the costs and cost categories associated  
2 with each.

3 (5) A description of challenges the program has  
4 faced in realigning the program to use agile or  
5 iterative methods.

6 (e) MODIFICATIONS TO PILOT PROGRAM SELECTION  
7 CRITERIA.—Section 873(a)(3)(B) of the National Defense  
8 Authorization Act for Fiscal Year 2018 (Public Law 115–  
9 91; 10 U.S.C. 2223a note) is amended—

10 (1) by inserting “or subsystems” after “In se-  
11 lecting systems”;

12 (2) in clause (i)(II), by striking “; and” and in-  
13 serting “; or”; and

14 (3) in clause (ii)(II), by striking “; and” and in-  
15 serting “; or”.

16 **SEC. 870. REPORT ON REQUIRING ACCESS TO DIGITAL**  
17 **TECHNICAL DATA IN FUTURE ACQUISITIONS**  
18 **OF COMBAT, COMBAT SERVICE, AND COMBAT**  
19 **SUPPORT SYSTEMS.**

20 Not later than 120 days after the date of the enact-  
21 ment of this Act, the Secretary of Defense shall submit  
22 to the congressional defense committees a report on the  
23 feasibility and advisability of requiring access to digital  
24 technical data in all future acquisitions by the Department  
25 of Defense of combat, combat service, and combat support

1 systems, including front-end negotiations for such access.  
2 Such report shall include a digital data standard for tech-  
3 nical data for use by equipment manufacturers and the  
4 Department with regard to three-dimensional printed  
5 parts.

## 6 **Subtitle H—Other Matters**

### 7 **SEC. 871. PROHIBITION ON ACQUISITION OF SENSITIVE MA-** 8 **TERIALS FROM NON-ALLIED FOREIGN NA-** 9 **TIONS.**

10 (a) IN GENERAL.—Subchapter V of chapter 148 of  
11 title 10, United States Code, is amended by inserting after  
12 section 2533b the following new section:

#### 13 **“§ 2533c. Prohibition on acquisition of sensitive mate-** 14 **rials from non-allied foreign nations**

15 “(a) IN GENERAL.—Except as provided in subsection  
16 (c), the Secretary of Defense may not—

17 “(1) procure any covered material melted or  
18 produced in any covered nation, or any end item  
19 that contains a covered material manufactured in  
20 any covered nation, except as provided by subsection  
21 (c); or

22 “(2) sell any covered material from the Na-  
23 tional Defense Stockpile, if the National Defense  
24 Stockpile Manager determines that such a sale is not  
25 in the national interests of the United States, to—

1           “(A) any covered nation; or

2           “(B) any third party that the Secretary  
3 reasonably believes is acting as a broker or  
4 agent for a covered nation or an entity in a cov-  
5 ered nation.

6           “(b) APPLICABILITY.—Subsection (a) shall apply to  
7 prime contracts and subcontracts at any tier.

8           “(c) EXCEPTIONS.—Subsection (a) does not apply  
9 under the following circumstances:

10           “(1) If the Secretary of Defense determines  
11 that covered materials of satisfactory quality and  
12 quantity, in the required form, cannot be procured  
13 as and when needed at a reasonable price.

14           “(2) To the procurement of an end item de-  
15 scribed in subsection (a)(1) or the sale of any cov-  
16 ered material described under subsection (a)(1) by  
17 the Secretary outside of the United States for use  
18 outside of the United States.

19           “(3) To the purchase by the Secretary of an  
20 end item containing a covered material that is—

21           “(A) a commercially available off-the-shelf  
22 item (as defined in section 104 of title 41),  
23 other than—

1 “(i) a commercially available off-the-  
2 shelf item that is 50 percent or more tung-  
3 sten by weight; or

4 “(ii) a mill product, such as bar, bil-  
5 let, slab, wire, cube, sphere, block, blank,  
6 plate, or sheet, that has not been incor-  
7 porated into an end item, subsystem, as-  
8 sembly, or component;

9 “(B) an electronic device, unless the Sec-  
10 retary of Defense, upon the recommendation of  
11 the Strategic Materials Protection Board pursu-  
12 ant to section 187 of this title, determines that  
13 the domestic availability of a particular elec-  
14 tronic device is critical to national security; or

15 “(C) a neodymium-iron-boron magnet  
16 manufactured from recycled material if the  
17 milling of the recycled material and sintering of  
18 the final magnet takes place in the United  
19 States.

20 “(d) DEFINITIONS.—In this section:

21 “(1) COVERED MATERIAL.—The term ‘covered  
22 material’ means—

23 “(A) samarium-cobalt magnets;

24 “(B) neodymium-iron-boron magnets;

25 “(C) tungsten metal powder; and



1 **SEC. 873. DATA, POLICY, AND REPORTING ON THE USE OF**  
2 **OTHER TRANSACTIONS.**

3 (a) **COLLECTION AND STORAGE.**—The Service Acqui-  
4 sition Executives of the military departments shall collect  
5 data on the use of other transactions by their respective  
6 departments, and the Under Secretary of Defense for Re-  
7 search and Engineering and the Under Secretary of De-  
8 fense for Acquisition and Sustainment shall collect data  
9 on all other use by the Department of Defense of other  
10 transactions, including use by the Defense Agencies. The  
11 data shall be stored in a manner that allows the Assistant  
12 Secretary of Defense for Acquisition and other appropriate  
13 officials access at any time.

14 (b) **USE OF DATA.**—The Assistant Secretary of De-  
15 fense for Acquisition shall analyze and leverage the data  
16 collected under subsection (a) to update policy and guid-  
17 ance related to the use of other transactions.

18 (c) **REPORT REQUIRED.**—Not later than December  
19 31, 2018, and each December 31 thereafter through De-  
20 cember 31, 2021, the Secretary of Defense shall submit  
21 to the congressional defense committees a report covering  
22 the preceding fiscal year on the Department’s use of other  
23 transaction authority. Each report shall summarize and  
24 display the data collected under subsection (a) on the na-  
25 ture and extent of the use of the authority, including a  
26 summary and detail showing—

1 (1) organizations involved, quantities, amounts  
2 of payments, and purpose, description, and status of  
3 projects; and

4 (2) highlights of successes and challenges using  
5 the authority, including case examples.

6 **SEC. 874. STANDARDIZATION OF FORMATTING AND PUBLIC**  
7 **ACCESSIBILITY OF DEPARTMENT OF DE-**  
8 **FENSE REPORTS TO CONGRESS.**

9 (a) REPORT FORMATTING PLAN REQUIRED.—Not  
10 later than March 1, 2019, the Secretary of Defense shall  
11 provide a plan to the congressional defense committees on  
12 activities to standardize the formatting of unclassified De-  
13 partment of Defense reports required by Congress. Such  
14 plan shall include—

15 (1) a description of the method for ensuring  
16 that reports are created in a platform-independent,  
17 machine-readable format that can be retrieved,  
18 downloaded, indexed, and searched by commonly  
19 used web search applications; and

20 (2) a cost estimate and schedule for implemen-  
21 tation of the activities under paragraph (1), with a  
22 completion date of not later than March 1, 2020.

23 (b) ONLINE REPOSITORY PLAN REQUIRED.—Not  
24 later than March 1, 2019, the Secretary of Defense shall  
25 provide a briefing to the congressional defense committees

1 on the feasibility of developing a publically accessible on-  
2 line repository of unclassified reports of the Department  
3 of Defense issued since January 1, 2010. Such briefing  
4 shall include—

5 (1) protocols for inclusion of unclassified re-  
6 ports that, as determined by the Secretary, may not  
7 be appropriate for public release in their entirety;  
8 and

9 (2) a cost estimate and schedule for implemen-  
10 tation and maintenance of the online repository.

11 **SEC. 875. PROMOTION OF THE USE OF GOVERNMENT-WIDE**  
12 **AND OTHER INTERAGENCY CONTRACTS.**

13 Section 865(b)(1) of the Duncan Hunter National  
14 Defense Authorization Act for Fiscal Year 2009 (Public  
15 Law 110–417; 31 U.S.C. 1535 note) is amended—

16 (1) by striking “that all interagency acquisi-  
17 tions—” and inserting “that—”;

18 (2) in subparagraph (A)—

19 (A) by inserting “all interagency assisted  
20 acquisitions” before “include”; and

21 (B) by inserting “and” after the semicolon;

22 (3) by striking subparagraph (B); and

23 (4) by redesignating subparagraph (C) as sub-  
24 paragraph (B), and in that subparagraph by insert-

1 ing “all interagency assisted acquisitions” before  
2 “include”.

3 **SEC. 876. INCREASING COMPETITION AT THE TASK ORDER**  
4 **LEVEL.**

5 Section 3306(c) of title 41, United States Code, is  
6 amended—

7 (1) in paragraph (1), by inserting “except as  
8 provided in paragraph (3),” in subparagraphs (B)  
9 and (C) after the subparagraph designation; and  
10 (2) by adding at the end the following new  
11 paragraphs:

12 “(3) EXCEPTIONS FOR CERTAIN INDEFINITE  
13 DELIVERY, INDEFINITE QUANTITY MULTIPLE-AWARD  
14 CONTRACTS AND CERTAIN FEDERAL SUPPLY SCHED-  
15 ULE CONTRACTS FOR SERVICES ACQUIRED ON AN  
16 HOURLY RATE.—If an executive agency issues a so-  
17 licitation for one or more contracts for services to be  
18 acquired on an hourly rate basis under the authority  
19 of sections 4103 and 4106 of this title or section  
20 152(3) of this title and section 501(b) of title 40  
21 and the executive agency intends to make a contract  
22 award to each qualifying offeror and the contract or  
23 contracts will feature individually competed task or  
24 delivery orders based on hourly rates—

1           “(A) the contracting officer need not con-  
2           sider price as an evaluation factor for contract  
3           award; and

4           “(B) if, pursuant to subparagraph (A),  
5           price is not considered as an evaluation factor  
6           for contract award, cost or price to the Federal  
7           Government shall be considered in conjunction  
8           with the issuance pursuant to sections 4106(e)  
9           and 152(3) of this title of any task or delivery  
10          order under any contract resulting from the so-  
11          licitation.

12          “(4) DEFINITION.—In paragraph (3), the term  
13          ‘qualifying offeror’ means an offeror that—

14                 “(A) is determined to be a responsible  
15                 source;

16                 “(B) submits a proposal that conforms to  
17                 the requirements of the solicitation;

18                 “(C) meets all technical requirements; and

19                 “(D) is otherwise eligible for award.”.

20         **SEC. 877. INDIVIDUAL ACQUISITION FOR COMMERCIAL**  
21                 **LEASING SERVICES.**

22                 (a) IN GENERAL.—For the purpose of section 863  
23                 of Public Law 110–417, an individual acquisition for com-  
24                 mercial leasing services shall not be construed as a pur-  
25                 chase of property or services if such individual acquisition

1 is made on a no cost basis and pursuant to a multiple  
2 award contract awarded in accordance with requirements  
3 for full and open competition.

4 (b) AUDIT.—The Comptroller General of the United  
5 States shall—

6 (1) conduct biennial audits of the General Serv-  
7 ices Administration National Broker Contract to de-  
8 termine—

9 (A) whether brokers selected under the  
10 program provide lower lease rental rates than  
11 rates negotiated by General Services Adminis-  
12 tration staff; and

13 (B) the impact of the program on the  
14 length of time of lease procurements;

15 (2) conduct a review of whether the application  
16 of section 863 of Public Law 110–417 to acquisi-  
17 tions for commercial leasing services resulted in  
18 rental cost savings for the Government during the  
19 years in which such section was applicable prior to  
20 the date of enactment of this section; and

21 (3) not later than September 30, 2019, and  
22 September 30, 2021, submit to the Committee on  
23 Transportation and Infrastructure of the House of  
24 Representatives and the Committee on Environment  
25 and Public Works of the Senate a report that—

1 (A) summarizes the results of the audit  
2 and review required by paragraphs (1) and (2);

3 (B) includes an assessment of whether the  
4 National Broker Contract provides greater effi-  
5 ciencies and savings than the use of General  
6 Services Administration staff; and

7 (C) includes recommendations for improv-  
8 ing General Services Administration lease pro-  
9 curements.

10 (c) TERMINATION.—This section shall terminate on  
11 December 31, 2022.

12 **SEC. 878. PROCUREMENT ADMINISTRATIVE LEAD TIME**  
13 **DEFINITION AND PLAN.**

14 (a) IN GENERAL.—Not later than 180 days after the  
15 date of the enactment of this Act, the Administrator for  
16 Federal Procurement Policy shall develop, make available  
17 for public comment, and finalize—

18 (1) a definition of the term “Procurement ad-  
19 ministrative lead time” or “PALT”, to be applied  
20 Government-wide, that describes the amount of time  
21 from the date on which a solicitation for a contract  
22 or task order is issued to the date of an initial  
23 award of the contract or task order; and

24 (2) a plan for measuring and publicly reporting  
25 data on PALT for Federal Government contracts

1 and task orders in amounts greater than the sim-  
2 plified acquisition threshold.

3 (b) REQUIREMENT FOR DEFINITION.—Unless the  
4 Administrator determines otherwise, the amount of time  
5 in the definition of PALT developed under subsection (a)  
6 shall—

7 (1) begin on the date on which an initial solici-  
8 tation is issued by a Federal department or agency  
9 for a contract or task order; and

10 (2) end on the date of the award of the contract  
11 or task order.

12 (c) COORDINATION.—In developing the definition of  
13 PALT, the Administrator shall coordinate with—

14 (1) the senior procurement executives of Fed-  
15 eral agencies;

16 (2) the Secretary of Defense; and

17 (3) the Administrator of the General Services  
18 Administration on modifying the existing data sys-  
19 tem of the Federal Government to determine the  
20 date on which the initial solicitation is issued.

21 (d) USE OF EXISTING PROCUREMENT DATA SYS-  
22 TEM.—In developing the plan for measuring and publicly  
23 reporting data on PALT required by subsection (a), the  
24 Administrator shall, to the maximum extent practicable,  
25 rely on the information contained in the Federal procure-

1 ment data system established pursuant to section  
2 1122(a)(4) of title 41, United States Code, including any  
3 modifications to that system.

4 **SEC. 879. BRIEFING ON FUNDING OF PRODUCT SUPPORT**  
5 **STRATEGIES.**

6 (a) BRIEFING REQUIRED.—For each of the fiscal  
7 years 2020, 2021, and 2022, the Secretary of Defense  
8 shall provide an annotated briefing to the congressional  
9 defense committees regarding the funding for product sup-  
10 port strategies for major weapon systems.

11 (b) CONTENTS.—The briefing shall include for each  
12 major weapon system—

13 (1) a current estimate of the total funding re-  
14 quired for the product support strategy for specific  
15 costs of the weapons system over its expected  
16 lifecycle;

17 (2) a current estimate of the funding required  
18 for the product support strategy per year over the  
19 future years defense program for the specific prod-  
20 uct support costs of the weapon system;

21 (3) a summary of the funding requested for the  
22 product support strategy in the future years defense  
23 program per year specifically for the weapon system;

24 (4) a summary of the amounts expended to  
25 support costs specific to the weapon system as de-

1 scribed in the product support strategy of the weap-  
2 on system during the prior fiscal year; and

3 (5) a summary of improvements made to data  
4 collection and analysis capabilities of the Depart-  
5 ment of Defense, including in the military services,  
6 to improve the analysis and cost estimation of  
7 lifecycle costs, improve the analysis and identifica-  
8 tion of cost drivers, reduce lifecycle cost variance,  
9 identify common and shared costs for multiple weap-  
10 ons systems, and isolate the lifecycle costs attrib-  
11 utable to specific individual weapons systems.

12 **SEC. 880. USE OF LOWEST PRICE TECHNICALLY ACCEPT-**  
13 **ABLE SOURCE SELECTION PROCESS.**

14 (a) STATEMENT OF POLICY.—It shall be the policy  
15 of the United States Government to avoid using lowest  
16 price technically acceptable source selection criteria in cir-  
17 cumstances that would deny the Government the benefits  
18 of cost and technical tradeoffs in the source selection proc-  
19 ess.

20 (b) REVISION OF FEDERAL ACQUISITION REGULA-  
21 TION.—Not later than 120 days after the date of the en-  
22 actment of this Act, the Federal Acquisition Regulation  
23 shall be revised to require that, for solicitations issued on  
24 or after the date that is 120 days after the date of the  
25 enactment of this Act, lowest price technically acceptable

1 source selection criteria are used only in situations in  
2 which—

3 (1) an executive agency is able to comprehen-  
4 sively and clearly describe the minimum require-  
5 ments expressed in terms of performance objectives,  
6 measures, and standards that will be used to deter-  
7 mine acceptability of offers;

8 (2) the executive agency would realize no, or  
9 minimal, value from a contract proposal exceeding  
10 the minimum technical or performance requirements  
11 set forth in the request for proposal;

12 (3) the proposed technical approaches will re-  
13 quire no, or minimal, subjective judgment by the  
14 source selection authority as to the desirability of  
15 one offeror's proposal versus a competing proposal;

16 (4) the executive agency has a high degree of  
17 confidence that a review of technical proposals of  
18 offerors other than the lowest bidder would not re-  
19 sult in the identification of factors that could pro-  
20 vide value or benefit to the executive agency;

21 (5) the contracting officer has included a jus-  
22 tification for the use of a lowest price technically ac-  
23 ceptable evaluation methodology in the contract file;  
24 and

1           (6) the executive agency has determined that  
2           the lowest price reflects full life-cycle costs, including  
3           for operations and support.

4           (c) AVOIDANCE OF USE OF LOWEST PRICE TECH-  
5           NICALLY ACCEPTABLE SOURCE SELECTION CRITERIA IN  
6           CERTAIN PROCUREMENTS.—To the maximum extent  
7           practicable, the use of lowest price technically acceptable  
8           source selection criteria shall be avoided in the case of a  
9           procurement that is predominately for the acquisition of—

10           (1) information technology services, cybersecu-  
11           rity services, systems engineering and technical as-  
12           sistance services, advanced electronic testing, audit  
13           or audit readiness services, health care services and  
14           records, telecommunications devices and services, or  
15           other knowledge-based professional services;

16           (2) personal protective equipment; or

17           (3) knowledge-based training or logistics serv-  
18           ices in contingency operations or other operations  
19           outside the United States, including in Afghanistan  
20           or Iraq.

21           (d) REPORT REQUIREMENT.—Not later than one  
22           year after the date of the enactment of this Act, and annu-  
23           ally thereafter for two years, the Comptroller General of  
24           the United States shall submit to the appropriate congres-  
25           sional committees a report on the number of instances in

1 which lowest price technically acceptable source selection  
2 criteria is used for a contract exceeding \$5,000,000, in-  
3 cluding an explanation of how the situations listed in sub-  
4 section (b) were considered in making a determination to  
5 use lowest price technically acceptable source selection cri-  
6 teria.

7 (e) DEFINITIONS.—In this section:

8 (1) EXECUTIVE AGENCY.—The term “executive  
9 agency” has the meaning given that term in section  
10 102 of title 40, United States Code, except that the  
11 term does not include the Department of Defense.

12 (2) CONTINGENCY OPERATION.—The term  
13 “contingency operation” has the meaning given that  
14 term in section 101 of title 10, United States Code.

15 (3) APPROPRIATE CONGRESSIONAL COMMIT-  
16 TEES.—The term “appropriate congressional com-  
17 mittees” means the Committee on Oversight and  
18 Government Reform of the House of Representatives  
19 and the Committee on Homeland Security and Gov-  
20 ernmental Affairs of the Senate.

21 **SEC. 881. PERMANENT SUPPLY CHAIN RISK MANAGEMENT**  
22 **AUTHORITY.**

23 (a) PERMANENT EXTENSION OF AUTHORITY.—

1           (1) IN GENERAL.—Chapter 137 of title 10,  
2           United States Code, is amended by adding at the  
3           end the following new section:

4   **“§ 2339a. Requirements for information relating to**  
5           **supply chain risk**

6           “(a) AUTHORITY.—Subject to subsection (b), the  
7           head of a covered agency may—

8           “(1) carry out a covered procurement action;  
9           and

10           “(2) limit, notwithstanding any other provision  
11           of law, in whole or in part, the disclosure of informa-  
12           tion relating to the basis for carrying out a covered  
13           procurement action.

14           “(b) DETERMINATION AND NOTIFICATION.—The  
15           head of a covered agency may exercise the authority pro-  
16           vided in subsection (a) only after—

17           “(1) obtaining a joint recommendation by the  
18           Under Secretary of Defense for Acquisition and  
19           Sustainment and the Chief Information Officer of  
20           the Department of Defense, on the basis of a risk  
21           assessment by the Under Secretary of Defense for  
22           Intelligence, that there is a significant supply chain  
23           risk to a covered system;

24           “(2) making a determination in writing, in un-  
25           classified or classified form, with the concurrence of

1 the Under Secretary of Defense for Acquisition and  
2 Sustainment, that—

3 “(A) use of the authority in subsection  
4 (a)(1) is necessary to protect national security  
5 by reducing supply chain risk;

6 “(B) less intrusive measures are not rea-  
7 sonably available to reduce such supply chain  
8 risk; and

9 “(C) in a case where the head of the cov-  
10 ered agency plans to limit disclosure of informa-  
11 tion under subsection (a)(2), the risk to na-  
12 tional security due to the disclosure of such in-  
13 formation outweighs the risk due to not dis-  
14 closing such information; and

15 “(3) providing a classified or unclassified notice  
16 of the determination made under paragraph (2) to  
17 the appropriate congressional committees, which no-  
18 tice shall include—

19 “(A) the information required by section  
20 2304(f)(3) of this title;

21 “(B) the joint recommendation by the  
22 Under Secretary of Defense for Acquisition and  
23 Sustainment and the Chief Information Officer  
24 of the Department of Defense as specified in  
25 paragraph (1);

1           “(C) a summary of the risk assessment by  
2           the Under Secretary of Defense for Intelligence  
3           that serves as the basis for the joint rec-  
4           ommendation specified in paragraph (1); and

5           “(D) a summary of the basis for the deter-  
6           mination, including a discussion of less intru-  
7           sive measures that were considered and why  
8           they were not reasonably available to reduce  
9           supply chain risk.

10          “(c) DELEGATION.—The head of a covered agency  
11          may not delegate the authority provided in subsection (a)  
12          or the responsibility to make a determination under sub-  
13          section (b) to an official below the level of the service ac-  
14          quisition executive for the agency concerned.

15          “(d) LIMITATION ON DISCLOSURE.—If the head of  
16          a covered agency has exercised the authority provided in  
17          subsection (a)(2) to limit disclosure of information—

18                 “(1) no action undertaken by the agency head  
19                 under such authority shall be subject to review in a  
20                 bid protest before the Government Accountability  
21                 Office or in any Federal court; and

22                 “(2) the agency head shall—

23                         “(A) notify appropriate parties of a cov-  
24                         ered procurement action and the basis for such

1 action only to the extent necessary to effectuate  
2 the covered procurement action;

3 “(B) notify other Department of Defense  
4 components or other Federal agencies respon-  
5 sible for procurements that may be subject to  
6 the same or similar supply chain risk, in a man-  
7 ner and to the extent consistent with the re-  
8 quirements of national security; and

9 “(C) ensure the confidentiality of any such  
10 notifications.

11 “(e) DEFINITIONS.—In this section:

12 “(1) HEAD OF A COVERED AGENCY.—The term  
13 ‘head of a covered agency’ means each of the fol-  
14 lowing:

15 “(A) The Secretary of Defense.

16 “(B) The Secretary of the Army.

17 “(C) The Secretary of the Navy.

18 “(D) The Secretary of the Air Force.

19 “(2) COVERED PROCUREMENT ACTION.—The  
20 term ‘covered procurement action’ means any of the  
21 following actions, if the action takes place in the  
22 course of conducting a covered procurement:

23 “(A) The exclusion of a source that fails to  
24 meet qualification standards established in ac-  
25 cordance with the requirements of section 2319

1 of this title for the purpose of reducing supply  
2 chain risk in the acquisition of covered systems.

3 “(B) The exclusion of a source that fails to  
4 achieve an acceptable rating with regard to an  
5 evaluation factor providing for the consideration  
6 of supply chain risk in the evaluation of pro-  
7 posals for the award of a contract or the  
8 issuance of a task or delivery order.

9 “(C) The decision to withhold consent for  
10 a contractor to subcontract with a particular  
11 source or to direct a contractor for a covered  
12 system to exclude a particular source from con-  
13 sideration for a subcontract under the contract.

14 “(3) COVERED PROCUREMENT.—The term ‘cov-  
15 ered procurement’ means—

16 “(A) a source selection for a covered sys-  
17 tem or a covered item of supply involving either  
18 a performance specification, as provided in sec-  
19 tion 2305(a)(1)(C)(ii) of this title, or an evalua-  
20 tion factor, as provided in section  
21 2305(a)(2)(A) of this title, relating to supply  
22 chain risk;

23 “(B) the consideration of proposals for and  
24 issuance of a task or delivery order for a cov-  
25 ered system or a covered item of supply, as pro-

1           vided in section 2304e(d)(3) of this title, where  
2           the task or delivery order contract concerned in-  
3           cludes a contract clause establishing a require-  
4           ment relating to supply chain risk; or

5           “(C) any contract action involving a con-  
6           tract for a covered system or a covered item of  
7           supply where such contract includes a clause es-  
8           tablishing requirements relating to supply chain  
9           risk.

10          “(4) SUPPLY CHAIN RISK.—The term ‘supply  
11          chain risk’ means the risk that an adversary may  
12          sabotage, maliciously introduce unwanted function,  
13          or otherwise subvert the design, integrity, manufac-  
14          turing, production, distribution, installation, oper-  
15          ation, or maintenance of a covered system so as to  
16          surveil, deny, disrupt, or otherwise degrade the func-  
17          tion, use, or operation of such system.

18          “(5) COVERED SYSTEM.—The term ‘covered  
19          system’ means a national security system, as that  
20          term is defined in section 3542(b) of title 44.

21          “(6) COVERED ITEM OF SUPPLY.—The term  
22          ‘covered item of supply’ means an item of informa-  
23          tion technology (as that term is defined in section  
24          11101 of title 40) that is purchased for inclusion in  
25          a covered system, and the loss of integrity of which

1       could result in a supply chain risk for a covered sys-  
2       tem.

3               “(7) APPROPRIATE CONGRESSIONAL COMMIT-  
4       TEES.—The term ‘appropriate congressional com-  
5       mittees’ means—

6               “(A) in the case of a covered system in-  
7       cluded in the National Intelligence Program or  
8       the Military Intelligence Program, the Select  
9       Committee on Intelligence of the Senate, the  
10      Permanent Select Committee on Intelligence of  
11      the House of Representatives, and the congress-  
12      sional defense committees; and

13              “(B) in the case of a covered system not  
14      otherwise included in subparagraph (A), the  
15      congressional defense committees.”.

16              (2) CLERICAL AMENDMENT.—The table of sec-  
17      tions at the beginning of such chapter is amended  
18      by inserting after the item relating to section 2339  
19      the following new item:

“2339a. Requirements for information relating to supply chain risk.”.

20              (b) REPEAL OF OBSOLETE AUTHORITY.—Section  
21      806(g) of the Ike Skelton National Defense Authorization  
22      Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C.  
23      2304 note) is hereby repealed.

1 **SEC. 882. REVIEW OF MARKET RESEARCH.**

2 Not later than February 1, 2019, the Under Sec-  
3 retary of Defense for Acquisition and Sustainment, in con-  
4 sultation with the Under Secretary of Defense for Re-  
5 search and Engineering, shall review the guidance of the  
6 Department of Defense with regard to those portions of  
7 the Federal Acquisition Regulation regarding commer-  
8 cially available market research, including sections  
9 10.001(a)(2)(vi) and 10.002(b), and market research  
10 practices. The review shall, at a minimum—

11 (1) assess the impact that conducting market  
12 research has on the Department's resources;

13 (2) ensure that commercially available market  
14 research is considered among other sources of re-  
15 search, as appropriate, and reviewed prior to devel-  
16 oping new requirements documents for an acquisi-  
17 tion by the Department;

18 (3) assess the extent to which the legal or regu-  
19 latory definitions of market research should be made  
20 consistent, revised, or expanded;

21 (4) assess the extent to which guidance per-  
22 taining to market research should be revised or ex-  
23 panded; and

24 (5) evaluate best practices in market research  
25 in public and private organizations, including use of  
26 information technologies to support such research.

1 **SEC. 883. ESTABLISHMENT OF INTEGRATED REVIEW TEAM**  
2 **ON DEFENSE ACQUISITION INDUSTRY-GOV-**  
3 **ERNMENT EXCHANGE.**

4 (a) STUDY.—

5 (1) IN GENERAL.—Not later than 30 days after  
6 the date of the enactment of this Act, the Secretary  
7 of Defense shall direct the Defense Business Board  
8 to convene an integrated review team (in this section  
9 referred to as the “exchange team”) to undertake a  
10 study on facilitating the exchange of defense indus-  
11 try personnel on term assignments within the De-  
12 partment of Defense.

13 (2) MEMBER PARTICIPATION.—

14 (A) DEFENSE BUSINESS BOARD.—The  
15 Chairman of the Defense Business Board shall  
16 select six members from the membership of the  
17 Board to participate on the exchange team, in-  
18 cluding one member to lead the team.

19 (B) DEFENSE INNOVATION BOARD.—The  
20 Chairman of the Defense Innovation Board  
21 shall select five appropriate members from the  
22 membership of their Board to participate on the  
23 exchange team.

24 (C) DEFENSE SCIENCE BOARD.—The  
25 Chairman of the Defense Science Board shall  
26 select five appropriate members from the mem-

1           bership of their Board to participate on the ex-  
2           change team.

3           (D) REQUIRED EXPERIENCE.—The Chair-  
4           men referred to in subparagraphs (A) through  
5           (C) shall ensure that members have significant  
6           legislative or regulatory expertise and reflect di-  
7           verse experiences in the public and private sec-  
8           tor.

9           (3) SCOPE.—The study conducted pursuant to  
10          paragraph (1) shall—

11           (A) review legal, ethical, and financial dis-  
12           closure requirements for industry-government  
13           exchanges;

14           (B) review existing or previous industry-  
15           government exchange programs such as the De-  
16           partment of State’s Franklin Fellows Program  
17           and the Information Technology Exchange Pro-  
18           gram;

19           (C) review how the military departments  
20           address legal, ethical, and financial require-  
21           ments for members of the reserve components  
22           who also maintain civilian employment in the  
23           defense industry;

24           (D) produce specific and detailed rec-  
25           ommendations for any legislation, including the

1           amendment or repeal of regulations, as well as  
2           non-legislative approaches, that the members of  
3           the exchange team conducting the study deter-  
4           mine necessary to—

5                   (i) reduce barriers to industry-govern-  
6                   ment exchange to encourage the flow of ac-  
7                   quisition best practices;

8                   (ii) ensure continuing financial and  
9                   ethical integrity; and

10                   (iii) protect the best interests of the  
11                   Department of Defense; and

12                   (E) produce such additional recommenda-  
13                   tions for legislation as the members consider  
14                   appropriate.

15           (4) ACCESS TO INFORMATION.—The Secretary  
16           of Defense shall provide the exchange team with  
17           timely access to appropriate information, data, re-  
18           sources, and analysis so that the exchange team may  
19           conduct a thorough and independent analysis as re-  
20           quired under this subsection.

21           (b) BRIEFING.—Not later than December 31, 2018,  
22           the exchange team shall provide an interim briefing to the  
23           congressional defense committees on the study conducted  
24           under subsection (a)

1 (c) FINAL REPORT.—Not later than March 1, 2019,  
2 the exchange team shall submit a final report on the study  
3 to the Under Secretary of Defense for Acquisition and  
4 Sustainment and the congressional defense committees.

5 **SEC. 884. EXCHANGE PROGRAM FOR ACQUISITION WORK-**  
6 **FORCE EMPLOYEES.**

7 (a) PROGRAM AUTHORIZED.—The Secretary of De-  
8 fense shall establish an exchange program under which the  
9 Under Secretary of Defense for Acquisition and  
10 Sustainment shall arrange for the temporary assignment  
11 of civilian personnel in the Department of Defense acqui-  
12 sition workforce.

13 (b) PURPOSES.—The purposes of the exchange pro-  
14 gram established pursuant to subsection (a) are—

15 (1) to familiarize personnel from the acquisition  
16 workforce with the equities, priorities, processes, cul-  
17 ture, and workforce of the acquisition-related de-  
18 fense agencies;

19 (2) to enable participants in the exchange pro-  
20 gram to return the expertise gained through their  
21 exchanges to their original organizations; and

22 (3) to improve communication between and in-  
23 tegration of the organizations that support the pol-  
24 icy, implementation, and oversight of defense acqui-  
25 sition through lasting relationships.

1 (c) PARTICIPANTS.—

2 (1) NUMBER OF PARTICIPANTS.—The Under  
3 Secretary shall select not less than 10 and no more  
4 than 20 participants per year for participation in the  
5 exchange program established under subsection (a).

6 (2) CRITERIA FOR SELECTION.—The Under  
7 Secretary shall select participants for the exchange  
8 program established under subsection (a) from  
9 among mid-career employees and based on—

10 (A) the qualifications and desire to partici-  
11 pate in the program of the employee; and

12 (B) the technical needs and capacities of  
13 the acquisition workforce, as applicable.

14 (d) TERMS.—Exchanges pursuant to the exchange  
15 program established under subsection (a) shall be for  
16 terms of one to two years, as determined and negotiated  
17 by the Under Secretary. The terms may begin and end  
18 on a rolling basis.

19 (e) GUIDANCE AND IMPLEMENTATION.—

20 (1) GUIDANCE.—Not later than 90 days after  
21 the date of the enactment of this Act, the Under  
22 Secretary shall develop and submit to the congress-  
23 sional defense committees interim guidance on the  
24 form and contours of the exchange program estab-  
25 lished under subsection (a).

1           (2) IMPLEMENTATION.—Not later than 180  
2 days after the date of the enactment of this Act, the  
3 Under Secretary shall implement the guidance devel-  
4 oped under paragraph (1).

5 **SEC. 885. PROCESS TO LIMIT FOREIGN ACCESS TO TECH-**  
6 **NOLOGY.**

7           (a) PROCESS AND PROCEDURES.—The Secretary of  
8 Defense shall develop a process and procedures for lim-  
9 iting foreign access to technology through contracts,  
10 grants, cooperative agreements, or other transactions,  
11 when such limitation is in the interest of national security.

12           (b) REPORT.—Not later than September 1, 2019, the  
13 Secretary shall submit to the congressional defense com-  
14 mittees a report on the process and procedures developed  
15 pursuant to subsection (a). The report shall include the  
16 following elements:

17           (1) An assessment of the Department of De-  
18 fense’s ability through existing authorities to limit  
19 foreign access to technology through contracts,  
20 grants, cooperative agreements, or other trans-  
21 actions.

22           (2) An assessment of the Department’s need to  
23 implement a process to limit foreign access to tech-  
24 nology.

1           (3) Recommendations for penalties for viola-  
2           tions of access, including intellectual property for-  
3           feiture.

4           (c) CONSIDERATIONS.—The process and procedures  
5           developed under subsection (a) shall be consistent with all  
6           existing law, including laws relating to trade agreements,  
7           individual protections, export controls, and the National  
8           Technology and Industrial Base (NTIB).

9           **SEC. 886. PROCUREMENT OF TELECOMMUNICATIONS SUP-**  
10           **PLIES FOR EXPERIMENTAL PURPOSES.**

11           Section 2373(a) of title 10, United States Code, is  
12           amended by inserting “telecommunications,” after “space-  
13           flight,”.

14           **SEC. 887. ACCESS BY DEVELOPMENTAL AND OPERATIONAL**  
15           **TESTING ACTIVITIES TO DATA REGARDING**  
16           **MODELING AND SIMULATION ACTIVITY.**

17           (a) IN GENERAL.—Section 139(e) of title 10, United  
18           States Code, is amended by adding at the end the fol-  
19           lowing new paragraph:

20           “(4) The Director shall have prompt access to all  
21           data regarding modeling and simulation activity proposed  
22           to be used by military departments and defense agencies  
23           in support of operational or live fire test and evaluation  
24           of military capabilities. This access shall include data as-

1 sociated with verification, validation, and accreditation ac-  
2 tivities.”.

3 (b) **ADDITIONAL TESTING DATA.**—Developmental  
4 Test and Evaluation activities under the leadership of the  
5 Under Secretary of Defense for Research and Engineering  
6 and the Under Secretary of Defense for Acquisition and  
7 Sustainment shall have prompt access to all data regard-  
8 ing modeling and simulation activity proposed to be used  
9 by military departments and defense agencies in support  
10 of developmental test and evaluation of military capabili-  
11 ties. This access shall include data associated with  
12 verification, validation, and accreditation activities.

13 **SEC. 888. INSTRUCTION ON PILOT PROGRAM REGARDING**  
14 **EMPLOYMENT OF PERSONS WITH DISABIL-**  
15 **ITIES.**

16 Not later than 180 days after the date of the enact-  
17 ment of this Act, the Secretary of Defense shall update  
18 the Defense Federal Acquisition Regulatory Supplement  
19 to include an instruction on the pilot program regarding  
20 employment of persons with disabilities authorized under  
21 section 853 of the National Defense Authorization Act for  
22 Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2302  
23 note).

1 **SEC. 889. PROHIBITION ON CERTAIN TELECOMMUNI-**  
2 **CATIONS AND VIDEO SURVEILLANCE SERV-**  
3 **ICES OR EQUIPMENT.**

4 (a) PROHIBITION ON USE OR PROCUREMENT.—(1)

5 The head of an executive agency may not—

6 (A) procure or obtain or extend or renew a con-  
7 tract to procure or obtain any equipment, system, or  
8 service that uses covered telecommunications equip-  
9 ment or services as a substantial or essential compo-  
10 nent of any system, or as critical technology as part  
11 of any system; or

12 (B) enter into a contract (or extend or renew  
13 a contract) with an entity that uses any equipment,  
14 system, or service that uses covered telecommuni-  
15 cations equipment or services as a substantial or es-  
16 sential component of any system, or as critical tech-  
17 nology as part of any system.

18 (2) Nothing in paragraph (1) shall be construed to—

19 (A) prohibit the head of an executive agency  
20 from procuring with an entity to provide a service  
21 that connects to the facilities of a third-party, such  
22 as backhaul, roaming, or interconnection arrange-  
23 ments; or

24 (B) cover telecommunications equipment that  
25 cannot route or redirect user data traffic or permit

1 visibility into any user data or packets that such  
2 equipment transmits or otherwise handles.

3 (b) PROHIBITION ON LOAN AND GRANT FUNDS.—

4 (1) The head of an executive agency may not obligate or  
5 expend loan or grant funds to procure or obtain, extend  
6 or renew a contract to procure or obtain, or enter into  
7 a contract (or extend or renew a contract) to procure or  
8 obtain the equipment, services, or systems described in  
9 subsection (a).

10 (2) In implementing the prohibition in paragraph (1),  
11 heads of executive agencies administering loan, grant, or  
12 subsidy programs, including the heads of the Federal  
13 Communications Commission, the Department of Agri-  
14 culture, the Department of Homeland Security, the Small  
15 Business Administration, and the Department of Com-  
16 merce, shall prioritize available funding and technical sup-  
17 port to assist affected businesses, institutions and organi-  
18 zations as is reasonably necessary for those affected enti-  
19 ties to transition from covered communications equipment  
20 and services, to procure replacement equipment and serv-  
21 ices, and to ensure that communications service to users  
22 and customers is sustained.

23 (3) Nothing in this subsection shall be construed to—

24 (A) prohibit the head of an executive agency  
25 from procuring with an entity to provide a service

1 that connects to the facilities of a third-party, such  
2 as backhaul, roaming, or interconnection arrange-  
3 ments; or

4 (B) cover telecommunications equipment that  
5 cannot route or redirect user data traffic or permit  
6 visibility into any user data or packets that such  
7 equipment transmits or otherwise handles.

8 (c) EFFECTIVE DATES.—The prohibition under sub-  
9 section (a)(1) shall take effect one year after the date of  
10 the enactment of this Act, and the prohibitions under sub-  
11 section (a)(2) and subsection (b) shall take effect two  
12 years after the date of the enactment of this Act.

13 (d) WAIVER AUTHORITY.—

14 (1) EXECUTIVE AGENCIES.—The head of an ex-  
15 ecutive agency may, on a one-time basis, waive the  
16 requirements under subsection (a) with respect to an  
17 entity that requests such a waiver. The waiver may  
18 be provided, for a period of not more than two years  
19 after the effective dates described in subsection (c),  
20 if the entity seeking the waiver—

21 (A) provides a compelling justification for  
22 the additional time to implement the require-  
23 ments under such subsection, as determined by  
24 the head of the executive agency; and

1 (B) submits to the head of the executive  
2 agency, who shall not later than 30 days there-  
3 after submit to the appropriate congressional  
4 committees, a full and complete laydown of the  
5 presences of covered telecommunications or  
6 video surveillance equipment or services in the  
7 entity's supply chain and a phase-out plan to  
8 eliminate such covered telecommunications or  
9 video surveillance equipment or services from  
10 the entity's systems.

11 (2) DIRECTOR OF NATIONAL INTELLIGENCE.—

12 The Director of National Intelligence may provide a  
13 waiver on a date later than the effective dates de-  
14 scribed in subsection (c) if the Director determines  
15 the waiver is in the national security interests of the  
16 United States.

17 (f) DEFINITIONS.—In this section:

18 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
19 TEES.—The term “appropriate congressional com-  
20 mittees’” means—

21 (A) the Committee on Banking, Housing,  
22 and Urban Affairs, the Committee on Foreign  
23 Relations, and the Committee on Homeland Se-  
24 curity and Governmental Affairs of the Senate;  
25 and

1 (B) the Committee on Financial Services,  
2 the Committee on Foreign Affairs, and the  
3 Committee on Oversight and Government Re-  
4 form of the House of Representatives.

5 (2) COVERED FOREIGN COUNTRY.—The term  
6 “covered foreign country” means the People’s Re-  
7 public of China.

8 (3) COVERED TELECOMMUNICATIONS EQUIP-  
9 MENT OR SERVICES.—The term “covered tele-  
10 communications equipment or services” means any  
11 of the following:

12 (A) Telecommunications equipment pro-  
13 duced by Huawei Technologies Company or  
14 ZTE Corporation (or any subsidiary or affiliate  
15 of such entities).

16 (B) For the purpose of public safety, secu-  
17 rity of government facilities, physical security  
18 surveillance of critical infrastructure, and other  
19 national security purposes, video surveillance  
20 and telecommunications equipment produced by  
21 Hytera Communications Corporation,  
22 Hangzhou Technology Company, or Dahua  
23 Technology Company (or any subsidiary or af-  
24 filiate of such entities).

1 (C) Telecommunications or video surveil-  
2 lance services provided by such entities or using  
3 such equipment.

4 (D) Telecommunications or video surveil-  
5 lance equipment or services produced or pro-  
6 vided by an entity that the Secretary of De-  
7 fense, in consultation with the Director of the  
8 National Intelligence or the Director of the  
9 Federal Bureau of Investigation, reasonably be-  
10 lieves to be an entity owned or controlled by, or  
11 otherwise connected to, the government of a  
12 covered foreign country.

13 (4) EXECUTIVE AGENCY.—The term “executive  
14 agency” has the meaning given the term in section  
15 133 of title 41, United States Code.

16 **SEC. 890. PILOT PROGRAM TO ACCELERATE CONTRACTING**  
17 **AND PRICING PROCESSES.**

18 (a) IN GENERAL.—The Secretary of Defense shall es-  
19 tablish a pilot program to reform and accelerate the con-  
20 tracting and pricing processes associated with contracts  
21 in excess of \$50,000,000 by—

22 (1) basing price reasonableness determinations  
23 on actual cost and pricing data for purchases of the  
24 same or similar products for the Department of De-  
25 fense; and

1           (2) reducing the cost and pricing data to be  
2           submitted in accordance with section 2306a of title  
3           10, United States Code.

4           (b) LIMITATION.—The pilot program authorized  
5           under subsection (a) may include no more than ten con-  
6           tracts, and none of the selected contracts may be part of  
7           a major defense acquisition program (as that term is de-  
8           fined under section 2430 of title 10, United States Code).

9           (c) REPORT.—Not later than January 30, 2021, the  
10          Secretary of Defense shall submit to the congressional de-  
11          fense committees a report on the results of the pilot pro-  
12          gram authorized under subsection (a) and an assessment  
13          of whether the program should be continued or expanded.

14          (d) SUNSET.—The authority to carry out the pilot  
15          program under this section shall expire on January 2,  
16          2021.

17       **TITLE IX—DEPARTMENT OF DE-**  
18       **FENSE ORGANIZATION AND**  
19       **MANAGEMENT**

Subtitle A—Office of the Secretary of Defense and Related Matters

Sec. 901. Report on allocation of former responsibilities of the Under Secretary of Defense for Acquisition, Technology, and Logistics.

Sec. 902. Modification of responsibilities of the Under Secretary of Defense for Policy.

Sec. 903. Clarification of responsibilities and duties of the Chief Information Officer of the Department of Defense.

Sec. 904. Technical corrections to Department of Defense Test Resource Management Center authority.

Sec. 905. Specification of certain duties of the Defense Technical Information Center.

Subtitle B—Organization and Management of Other Department of Defense  
Offices and Elements

- Sec. 911. Comprehensive review of operational and administrative chains-of-command and functions of the Department of the Navy.
- Sec. 912. Modification of certain responsibilities of the Chairman of the Joint Chiefs of Staff relating to joint force concept development.
- Sec. 913. Clarification of certain risk assessment requirements of the Chairman of the Joint Chiefs of Staff in connection with the National Military Strategy.
- Sec. 914. Assistant Secretary of Defense for Special Operations and Low Intensity Conflict review of United States Special Operations Command.
- Sec. 915. Expansion of principal duties of Assistant Secretary of the Navy for Research, Development, and Acquisition.
- Sec. 916. Qualifications for appointment as Deputy Chief Management Officer of a military department.
- Sec. 917. Deadline for completion of full implementation of requirements in connection with organization of the Department of Defense for management of special operations forces and special operations.
- Sec. 918. Cross-functional teams in the Department of Defense.
- Sec. 919. Limitation on transfer of the Chemical, Biological, and Radiological Defense Division of the Navy.

Subtitle C—Comprehensive Pentagon Bureaucracy Reform and Reduction

- Sec. 921. Authorities and responsibilities of the Chief Management Officer of the Department of Defense.
- Sec. 922. Analysis of Department of Defense business management and operations datasets to promote savings and efficiencies.
- Sec. 923. Periodic review of the Defense Agencies and Department of Defense Field Activities by the Chief Management Officer of the Department of Defense.
- Sec. 924. Actions to increase the efficiency and transparency of the Defense Logistics Agency.
- Sec. 925. Review of functions of Defense Contract Audit Agency and Defense Contract Management Agency.
- Sec. 926. Review and improvement of the operations of the Defense Finance and Accounting Service.
- Sec. 927. Assessment of chief information officer functions in connection with transition to enterprise-wide management of information technology and computing.
- Sec. 928. Comptroller General of the United States report on cross-enterprise activities of the Inspectors General of the Department of Defense.
- Sec. 929. General provisions.

Subtitle D—Other Department of Defense Organization and Management  
Matters

- Sec. 931. Limitation on availability of funds for major headquarters activities of the Department of Defense.
- Sec. 932. John S. McCain Strategic Defense Fellows Program.
- Sec. 933. Performance of civilian functions by military personnel.

- Sec. 934. Report on implementation of requirements on estimation and comparison of costs of civilian and military manpower and contract support for the Department of Defense.
- Sec. 935. Review of foreign currency exchange rates and analysis of Foreign Currency Fluctuations, Defense appropriation.
- Sec. 936. Responsibility for policy on civilian casualty matters.
- Sec. 937. Additional matters in connection with background and security investigations for Department of Defense personnel.
- Sec. 938. Research and development to advance capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security.

Subtitle E—Other Matters

- Sec. 941. Trusted information provider program for national security positions and positions of trust.
- Sec. 942. Report on expedited processing of security clearances for mission-critical positions.
- Sec. 943. Report on clearance in person concept.

1    **Subtitle A—Office of the Secretary**  
2    **of Defense and Related Matters**

3    **SEC. 901. REPORT ON ALLOCATION OF FORMER RESPON-**  
4                   **SIBILITIES OF THE UNDER SECRETARY OF**  
5                   **DEFENSE FOR ACQUISITION, TECHNOLOGY,**  
6                   **AND LOGISTICS.**

7           Not later than March 1, 2019, the Secretary of De-  
8    fense shall submit to the Committees on Armed Services  
9    of the Senate and the House of Representatives a report  
10   setting forth the following:

- 11           (1) A list of each provision of law, whether  
12           within or outside title 10, United States Code, in  
13           force as of the date of the report that, as of that  
14           date, assigns a duty, responsibility, or other require-  
15           ment to the Under Secretary of Defense for Acquisi-  
16           tion, Technology, and Logistics.

1           (2) For each duty, responsibility, or other re-  
2           quirement specified in a provision of law listed pur-  
3           suant to paragraph (1), the allocation of such duty,  
4           responsibility, or requirement within the Department  
5           of Defense, including—

6                   (A) solely to the Under Secretary of De-  
7                   fense for Research and Engineering;

8                   (B) solely to the Under Secretary of De-  
9                   fense for Acquisition and Sustainment;

10                   (C) on a shared basis between the Under  
11                   Secretary of Defense for Research and Engi-  
12                   neering and the Under Secretary of Defense for  
13                   Acquisition and Sustainment;

14                   (D) solely to another official or organiza-  
15                   tion of the Department;

16                   (E) on a shared basis between other offi-  
17                   cials and organizations of the Department; or

18                   (F) not allocated.

19 **SEC. 902. MODIFICATION OF RESPONSIBILITIES OF THE**  
20 **UNDER SECRETARY OF DEFENSE FOR POL-**  
21 **ICY.**

22           (a) GENERAL RESPONSIBILITIES.—Paragraph (2) of  
23 section 134(b) of title 10, United States Code, is amended  
24 to read as follows:

1           “(2) Subject to the authority, direction, and control  
2 of the Secretary of Defense, the Under Secretary shall be  
3 responsible and have overall direction and supervision  
4 for—

5           “(A) the development, implementation, and in-  
6 tegration across the Department of Defense of the  
7 National Defense Strategy (as described by section  
8 113 of this title) and strategic policy guidance for  
9 the activities of the Department of Defense across  
10 all geographic regions and military functions and do-  
11 mains;

12           “(B) the integration of the activities of the De-  
13 partment into the National Security Strategy of the  
14 United States;

15           “(C) the development of policy guidance for the  
16 preparation of campaign and contingency plans by  
17 the combatant commands, and for the review of such  
18 plans;

19           “(D) the preparation of policy guidance for the  
20 development of the global force posture; and

21           “(E) the development of the Defense Planning  
22 Guidance that guides the formulation of program  
23 and budget requests by the military departments  
24 and other elements of the Department.”.

1 (b) RESPONSIBILITIES IN CONNECTION WITH JOINT  
2 FORCE CAPABILITIES AND READINESS.—Such section is  
3 further amended by adding at the end the following new  
4 paragraph:

5 “(5) Subject to the authority, direction, and control  
6 of the Secretary of Defense, the Under Secretary shall co-  
7 ordinate with the Chairman of the Joint Chiefs of Staff  
8 and the Director of Cost Assessment and Program Eval-  
9 uation to—

10 “(A) develop planning scenarios that describe  
11 the present and future strategic and operational en-  
12 vironments by which to assess joint force capabilities  
13 and readiness; and

14 “(B) develop specific objectives that the joint  
15 force should be ready to achieve, and conduct assess-  
16 ments of the capability (in terms of both capacity  
17 and readiness) of the joint force to achieve such ob-  
18 jectives.”.

19 **SEC. 903. CLARIFICATION OF RESPONSIBILITIES AND DU-**  
20 **TIES OF THE CHIEF INFORMATION OFFICER**  
21 **OF THE DEPARTMENT OF DEFENSE.**

22 Section 142(b)(1) of title 10, United States Code, is  
23 amended—

1 (1) in subparagraph (A), by inserting “(other  
2 than with respect to business systems and manage-  
3 ment)” after “sections 3506(a)(2)”;

4 (2) in subparagraph (B), by striking “section  
5 11315 of title 40” and inserting “sections 11315  
6 and 11319 of title 40 (other than with respect to  
7 business systems and management)”;

8 (3) in subparagraph (C), by striking “sections  
9 2222, 2223(a), and 2224 of this title” and inserting  
10 “sections 2223(a) (other than with respect to busi-  
11 ness systems and management) and 2224 of this  
12 title”.

13 **SEC. 904. TECHNICAL CORRECTIONS TO DEPARTMENT OF**  
14 **DEFENSE TEST RESOURCE MANAGEMENT**  
15 **CENTER AUTHORITY.**

16 Section 196 of title 10, United States Code, is  
17 amended in subsections (c)(1)(B) and (g) by striking  
18 “Under Secretary of Defense for Acquisition, Technology,  
19 and Logistics” and inserting “Under Secretary of Defense  
20 for Research and Engineering”.

21 **SEC. 905. SPECIFICATION OF CERTAIN DUTIES OF THE DE-**  
22 **FENSE TECHNICAL INFORMATION CENTER.**

23 (a) IN GENERAL.—In addition to any other duties  
24 specified for the Defense Technical Information Center by  
25 law, regulation, or Department of Defense directive or in-

1 instruction, the duties of the Center shall include the fol-  
2 lowing:

3 (1) To execute the Global Research Watch Pro-  
4 gram under section 2365 of title 10, United States  
5 Code.

6 (2) To develop and maintain datasets and other  
7 data repositories on research and engineering activi-  
8 ties being conducted within the Department.

9 (b) ACTION PLAN.—Not later than 90 days after the  
10 date of the enactment of this Act, the Secretary of Defense  
11 shall submit to the Committees on Armed Services of the  
12 Senate and the House of Representatives a plan of action  
13 for the commencement by the Defense Technical Informa-  
14 tion Center of the duties specified in subsection (a).

15 **Subtitle B—Organization and Man-**  
16 **agement of Other Department of**  
17 **Defense Offices and Elements**

18 **SEC. 911. COMPREHENSIVE REVIEW OF OPERATIONAL AND**  
19 **ADMINISTRATIVE CHAINS-OF-COMMAND AND**  
20 **FUNCTIONS OF THE DEPARTMENT OF THE**  
21 **NAVY.**

22 (a) IN GENERAL.—The Secretary of the Navy shall  
23 conduct a comprehensive review of the operational and ad-  
24 ministrative chains-of-command and functions of the De-  
25 partment of the Navy.

1 (b) ELEMENTS.—In conducting the review required  
2 by subsection (a), the Secretary shall consider options to  
3 do each of the following:

4 (1) Increase visibility of unit-level readiness at  
5 senior levels.

6 (2) Reduce so-called “double-hatting” and “tri-  
7 ple-hatting” commanders.

8 (3) Clarify organizations responsible and ac-  
9 countable for training and certification at the unit,  
10 group, and fleet level.

11 (4) Simplify reporting requirements applicable  
12 to commanding officers.

13 (c) REPORT.—

14 (1) IN GENERAL.—Not later than 180 days  
15 after the date of the enactment of this Act, the Sec-  
16 retary shall submit to the congressional defense com-  
17 mittees a report on the results of the review required  
18 by subsection (a). The report shall include the fol-  
19 lowing:

20 (A) The results of the review, including  
21 any findings of the Secretary as a result of the  
22 review.

23 (B) Any organizational changes in oper-  
24 ational or administrative chains-of-command or  
25 functions of the Department undertaken or to

1 be undertaken by the Secretary in light of the  
2 review.

3 (C) Any recommendations for legislative or  
4 administration action with respect to the oper-  
5 ational or administrative chains-of-command or  
6 functions of the Department the Secretary con-  
7 siders appropriate in light of the review.

8 (2) FORM.—The report under this subsection  
9 shall be submitted in unclassified form, but may in-  
10 clude a classified annex.

11 **SEC. 912. MODIFICATION OF CERTAIN RESPONSIBILITIES**  
12 **OF THE CHAIRMAN OF THE JOINT CHIEFS OF**  
13 **STAFF RELATING TO JOINT FORCE CONCEPT**  
14 **DEVELOPMENT.**

15 Subparagraph (D) of section 153(a)(6) of title 10,  
16 United States Code, is amended to read as follows:

17 “(D) formulating policies for development  
18 and experimentation on both urgent and long-  
19 term concepts for joint force employment, in-  
20 cluding establishment of a process within the  
21 Joint Staff for analyzing and prioritizing gaps  
22 in capabilities that could potentially be ad-  
23 dressed by joint concept development using ex-  
24 isting or modified joint force capabilities;”.

1 **SEC. 913. CLARIFICATION OF CERTAIN RISK ASSESSMENT**  
2 **REQUIREMENTS OF THE CHAIRMAN OF THE**  
3 **JOINT CHIEFS OF STAFF IN CONNECTION**  
4 **WITH THE NATIONAL MILITARY STRATEGY.**

5 Section 153(b) of title 10, United States Code, is  
6 amended—

7 (1) in paragraph (1)(D)(iii), by striking “mili-  
8 tary strategic and operational risks” and inserting  
9 “military risk”; and

10 (2) in paragraph (2)(B)(ii), by striking “mili-  
11 tary strategic and operational risks to United States  
12 interests and the military strategic and operational  
13 risks in executing the National Military Strategy (or  
14 update)” and inserting “military strategic risks to  
15 United States interests and military risks in exe-  
16 cuting the National Military Strategy (or update)”.

17 **SEC. 914. ASSISTANT SECRETARY OF DEFENSE FOR SPE-**  
18 **CIAL OPERATIONS AND LOW INTENSITY CON-**  
19 **FFLICT REVIEW OF UNITED STATES SPECIAL**  
20 **OPERATIONS COMMAND.**

21 (a) REVIEW REQUIRED.—The Assistant Secretary of  
22 Defense for Special Operations and Low Intensity Conflict  
23 shall, in coordination with the Commander of the United  
24 States Special Operations Command, conduct a com-  
25 prehensive review of the United States Special Operations  
26 Command for purposes of ensuring that the institutional

1 and operational capabilities of special operations forces  
2 are appropriate to counter anticipated future threats  
3 across the spectrum of conflict.

4 (b) SCOPE OF REVIEW.—The review required by sub-  
5 section (a) shall include, at a minimum, the following:

6 (1) An assessment of the adequacy of special  
7 operations forces doctrine, organization, training,  
8 materiel, education, personnel, and facilities to im-  
9 plement the 2018 National Defense Strategy, and  
10 recommendations, if any, for modifications for that  
11 purpose.

12 (2) An assessment of the roles and responsibil-  
13 ities of special operations forces as assigned by law,  
14 Department of Defense guidance, or other formal  
15 designation, and recommendations, if any, for addi-  
16 tions to or divestitures of such roles or responsibil-  
17 ities.

18 (3) An assessment of the adequacy of the proc-  
19 esses through which the United States Special Oper-  
20 ations Command evaluates and prioritizes the re-  
21 quirements at the geographic combatant commands  
22 for special operations forces and special operations-  
23 unique capabilities and makes recommendations on  
24 the allocation of special operations forces and special  
25 operations-unique capabilities to meet such require-

1       ments, and recommendations, if any, for modifica-  
2       tions of such processes.

3           (4) Any other matters the Assistant Secretary  
4       considers appropriate.

5       (c) DEADLINES.—

6           (1) COMPLETION OF REVIEW.—The review re-  
7       quired by subsection (a) shall be completed by not  
8       later than 270 days after the date of the enactment  
9       of this Act.

10          (2) REPORT.—Not later than 30 days after  
11       completion of the review, the Assistant Secretary  
12       shall submit to the congressional defense committees  
13       a report on the review, including the findings and  
14       any recommendations of the Assistant Secretary as  
15       a result of the review.

16   **SEC. 915. EXPANSION OF PRINCIPAL DUTIES OF ASSISTANT**  
17                   **SECRETARY OF THE NAVY FOR RESEARCH,**  
18                   **DEVELOPMENT, AND ACQUISITION.**

19       Section 5016(b)(4)(A) of title 10, United States  
20       Code, is amended by striking “and acquisition matters”  
21       and inserting “acquisition, and sustainment (including  
22       maintenance) matters”.

1 **SEC. 916. QUALIFICATIONS FOR APPOINTMENT AS DEPUTY**  
2 **CHIEF MANAGEMENT OFFICER OF A MILI-**  
3 **TARY DEPARTMENT.**

4 (a) DEPARTMENT OF THE ARMY.—An individual may  
5 not be appointed as Deputy Chief Management Officer of  
6 the Department of the Army unless the individual—

7 (1) has significant experience in business oper-  
8 ations or management in the public sector; or

9 (2) has significant experience managing an en-  
10 terprise in the private sector.

11 (b) DEPARTMENT OF THE NAVY.—An individual may  
12 not be appointed as Deputy Chief Management Officer of  
13 the Department of the Navy unless the individual—

14 (1) has significant experience in business oper-  
15 ations or management in the public sector; or

16 (2) has significant experience managing an en-  
17 terprise in the private sector.

18 (c) DEPARTMENT OF THE AIR FORCE.—An indi-  
19 vidual may not be appointed as Deputy Chief Management  
20 Officer of the Department of the Air Force unless the indi-  
21 vidual—

22 (1) has significant experience in business oper-  
23 ations or management in the public sector; or

24 (2) has significant experience managing an en-  
25 terprise in the private sector.

1 **SEC. 917. DEADLINE FOR COMPLETION OF FULL IMPLE-**  
2 **MENTATION OF REQUIREMENTS IN CONNEX-**  
3 **ION WITH ORGANIZATION OF THE DEPART-**  
4 **MENT OF DEFENSE FOR MANAGEMENT OF**  
5 **SPECIAL OPERATIONS FORCES AND SPECIAL**  
6 **OPERATIONS.**

7 The Secretary of Defense shall ensure that the imple-  
8 mentation of section 922 of the National Defense Author-  
9 ization Act for Fiscal Year 2017 (Public Law 114–328;  
10 130 Stat. 2354) and the amendments made by that sec-  
11 tion is fully complete by not later than 90 days after the  
12 date of the enactment of this Act.

13 **SEC. 918. CROSS-FUNCTIONAL TEAMS IN THE DEPARTMENT**  
14 **OF DEFENSE.**

15 (a) CROSS-FUNCTIONAL TEAM ON ELECTRONIC  
16 WARFARE.—

17 (1) IN GENERAL.—Among the cross-functional  
18 teams established by the Secretary of Defense pur-  
19 suant to subsection (c) of section 911 of the Na-  
20 tional Defense Authorization Act for Fiscal Year  
21 2017 (Public Law 114–328; 130 Stat. 2345; 10  
22 U.S.C. 111 note) in support of the organizational  
23 strategy for the Department of Defense required by  
24 subsection (a) of that section, the Secretary shall es-  
25 tablish a cross-functional team on electronic warfare.

1           (2) ESTABLISHMENT AND ACTIVITIES.—The  
2 cross-functional team established pursuant to para-  
3 graph (1) shall be established in accordance with  
4 subsection (c) of section 911 of the National De-  
5 fense Authorization Act for Fiscal Year 2017, and  
6 shall be governed in its activities in accordance with  
7 the provisions of such subsection (c).

8           (3) DEADLINE FOR ESTABLISHMENT.—The  
9 cross-functional team required by paragraph (1)  
10 shall be established by not later than 90 days after  
11 the date of the enactment of this Act.

12       (b) ADDITIONAL CROSS-FUNCTIONAL TEAMS MAT-  
13 TERS.—

14           (1) CRITERIA FOR DISTINGUISHING AMONG  
15 CROSS-FUNCTIONAL TEAMS.—Not later than 60 days  
16 after the date of the enactment of this Act, the Sec-  
17 retary shall issue criteria that distinguish cross-func-  
18 tional teams under section 911 of the National De-  
19 fense Authorization Act for Fiscal Year 2017 from  
20 other types of cross-functional working groups, com-  
21 mittees, integrated product teams, and task forces of  
22 the Department.

23           (2) PRIMARY RESPONSIBILITY FOR IMPLEMEN-  
24 TATION OF TEAMS.—The Deputy Secretary of De-  
25 fense shall establish or designate an office within the

1 Department that shall have primary responsibility  
2 for implementing section 911 of the National De-  
3 fense Authorization Act for Fiscal Year 2017.

4 **SEC. 919. LIMITATION ON TRANSFER OF THE CHEMICAL,**  
5 **BIOLOGICAL, AND RADIOLOGICAL DEFENSE**  
6 **DIVISION OF THE NAVY.**

7 (a) REPORT REQUIRED.—Not later than 90 days  
8 after the date of the enactment of this Act, the Secretary  
9 of the Navy shall submit to the congressional defense com-  
10 mittees a report that includes the following:

11 (1) A detailed timeline for the proposed trans-  
12 fer of the Chemical, Biological, and Radiological De-  
13 fense Division of the Navy from Virginia to another  
14 location.

15 (2) A full accounting of the costs associated  
16 with the proposed transfer, including—

17 (A) all personnel costs;

18 (B) all equipment costs; and

19 (C) all facility renovation costs for the ex-  
20 isting facilities of the Division and the facilities  
21 to which the Division is proposed to be trans-  
22 ferred.

23 (3) A risk assessment of the operational impact  
24 of the transfer during the transition period.



1 among and for all organizations and elements of the  
2 Department.”.

3 (2) BUDGET AUTHORITY.—

4 (A) IN GENERAL.—Such section is further  
5 amended—

6 (i) by redesignating subsections (c)  
7 and (d) as subsections (d) and (e), respec-  
8 tively; and

9 (ii) by inserting after subsection (b)  
10 the following new subsection (c):

11 “(c) BUDGET AUTHORITY.—(1)(A) Beginning in fis-  
12 cal year 2020, the Secretary of Defense, acting through  
13 the Under Secretary of Defense (Comptroller), shall re-  
14 quire the head of each Defense Agency and Department  
15 of Defense Field Activity specified by the Secretary for  
16 purposes of this subsection to transmit the proposed budg-  
17 et of such Agency or Activity for enterprise business oper-  
18 ations for a fiscal year, and for the period covered by the  
19 future-years defense program submitted to Congress  
20 under section 221 of this title for that fiscal year, to the  
21 Chief Management Officer for review under subparagraph  
22 (B) at the same time the proposed budget is submitted  
23 to the Under Secretary of Defense (Comptroller).

24 “(B) The Chief Management Officer shall review  
25 each proposed budget transmitted under subparagraph

1 (A) and, not later than January 31 of the year preceding  
2 the fiscal year for which the budget is proposed, shall sub-  
3 mit to the Secretary a report containing the comments of  
4 the Chief Management Officer with respect to all such pro-  
5 posed budgets, together with the certification of the Chief  
6 Management Officer regarding whether each such pro-  
7 posed budget achieves the required level of efficiency and  
8 effectiveness for enterprise business operations, consistent  
9 with guidance for budget review established by the Chief  
10 Management Officer.

11 “(C) Not later than March 31 each year, the Sec-  
12 retary shall submit to Congress a report that includes the  
13 following:

14 “(i) Each proposed budget for the enterprise  
15 business operations of a Defense Agency or Depart-  
16 ment of Defense Field Activity that was transmitted  
17 to the Chief Management Officer under subpara-  
18 graph (A).

19 “(ii) Identification of each proposed budget con-  
20 tained in the most recent report submitted under  
21 subparagraph (B) that the Chief Management Offi-  
22 cer did not certify as achieving the required level of  
23 efficiency and effectiveness for enterprise business  
24 operations.

1           “(iii) A discussion of the actions that the Sec-  
2           retary proposes to take, together with any rec-  
3           ommended legislation that the Secretary considers  
4           appropriate, to address inadequate levels of effi-  
5           ciency and effectiveness for enterprise business oper-  
6           ations achieved by the proposed budgets identified in  
7           the report.

8           “(iv) Any additional comments that the Sec-  
9           retary considers appropriate regarding inadequate  
10          levels of efficiency and effectiveness for enterprise  
11          business operations achieved by the proposed budg-  
12          ets.

13          “(2) Nothing in this subsection shall be construed to  
14          modify or interfere with the budget-related responsibilities  
15          of the Director of National Intelligence.”.

16                   (B) EXECUTION OF AUTHORITY.—In order  
17                   to execute the authority in subsection (c) of sec-  
18                   tion 132a of title 10, United States Code (as  
19                   amended by subparagraph (A)), the Chief Man-  
20                   agement Officer of the Department of Defense  
21                   shall do the following:

22                           (i) By April 1, 2019, develop an as-  
23                           sessment of cost and expertise require-  
24                           ments to execute such authority.

1 (ii) By September 1, 2019, develop  
2 guidance for Defense Agencies and Depart-  
3 ment of Defense Field Activities to delin-  
4 eate spending on enterprise business oper-  
5 ations and develop a process to determine  
6 the adequacy of their budgets for such op-  
7 erations.

8 (b) REFORM OF BUSINESS ENTERPRISE OPER-  
9 ATIONS IN SUPPORT OF CERTAIN ACTIVITIES ACROSS DE-  
10 PARTMENT OF DEFENSE.—

11 (1) PERIODIC REFORM.—

12 (A) IN GENERAL.—Not later than January  
13 1, 2020, and not less frequently than once  
14 every five years thereafter, the Secretary of De-  
15 fense shall, acting through the Chief Manage-  
16 ment Officer of the Department of Defense, re-  
17 form enterprise business operations of the De-  
18 partment of Defense, through reductions, elimi-  
19 nations, or improvements, across all organiza-  
20 tions and elements of the Department with re-  
21 spect to covered activities in order to increase  
22 effectiveness and efficiency of mission execu-  
23 tion.

24 (B) CMO REPORTS.—Not later than Janu-  
25 ary 1 of every fifth calendar year beginning

1 with January 1, 2025, the Chief Management  
2 Officer shall submit to the congressional de-  
3 fense committees a report that describes the ac-  
4 tivities carried out by the Chief Management  
5 Officer under this subsection during the pre-  
6 ceding five years, including an estimate of any  
7 cost savings achieved as a result of such activi-  
8 ties.

9 (2) COVERED ACTIVITIES DEFINED.—In this  
10 subsection, the term “covered activities” means any  
11 activity relating to civilian resources management,  
12 logistics management, services contracting, or real  
13 estate management.

14 (3) REPORTING FRAMEWORK.—Not later than  
15 January 1, 2020, the Chief Management Officer  
16 shall establish a consistent reporting framework to  
17 establish a baseline for the costs to perform all cov-  
18 ered activities, and shall submit to Congress a report  
19 that, for each individual covered activity performed  
20 in fiscal year 2019, identifies the following:

21 (A) The component or components of the  
22 Department responsible for performing such ac-  
23 tivity, and a business process map of such ac-  
24 tivity, in fiscal year 2019.

1           (B) The number of the military, civilian,  
2           and contractor personnel of the component or  
3           components of the Department who performed  
4           such activity in that fiscal year.

5           (C) The manpower requirements for such  
6           activity as of that fiscal year.

7           (D) The systems and other resources asso-  
8           ciated with such activity as of that fiscal year.

9           (E) The cost in dollars of performing such  
10          activity in fiscal year 2019.

11          (4) INITIAL PLAN.—Not later than February 1,  
12          2019, the Chief Management Officer shall submit to  
13          the congressional defense committees a plan, sched-  
14          ule, and cost estimate for conducting the reforms re-  
15          quired under paragraph (1)(A).

16          (5) CERTIFICATION OF COST SAVINGS.—Not  
17          later than January 1, 2020, the Chief Management  
18          Officer shall certify to the congressional defense  
19          committees that the savings and costs incurred as a  
20          result of activities carried out under paragraph (1)  
21          will achieve savings in fiscal year 2020 against the  
22          total amount obligated and expended for covered ac-  
23          tivities in fiscal year 2019 of—

24                  (A) not less than 25 percent of the cost in  
25          dollars of performing covered activities in fiscal

1 year 2019 as specified pursuant to paragraph  
2 (3)(E); or

3 (B) if the Chief Management Officer deter-  
4 mines that achievement of savings of 25 percent  
5 or more will create overall inefficiencies for the  
6 Department, notice and justification will be  
7 submitted to the congressional defense commit-  
8 tees specifying a lesser percentage of savings  
9 that the Chief Management Officer determines  
10 to be necessary to achieve efficiencies in the de-  
11 livery of covered activities, which notice and  
12 justification shall be submitted by not later  
13 than October 1, 2019, together with a descrip-  
14 tion of the efficiencies to be achieved.

15 (6) COMPTROLLER GENERAL REPORTS.—The  
16 Comptroller General of the United States shall sub-  
17 mit to the congressional defense committees the fol-  
18 lowing:

19 (A) Not later than 90 days after the sub-  
20 mittal of the plan under paragraph (4), a re-  
21 port that verifies whether the plan is feasible.

22 (B) Not later than 270 days after the date  
23 of enactment of this Act, a report setting forth  
24 an assessment of the actions taken under para-

1 graph (1)(A) since the date of the enactment of  
2 this Act.

3 (C) Not later than 270 days after the sub-  
4 mittal of the reporting framework under para-  
5 graph (3), a report that verifies whether the  
6 baseline established in the framework is accu-  
7 rate.

8 (D) Not later than 270 days after the sub-  
9 mittal of the report under paragraph (5), a re-  
10 port that verifies—

11 (i) whether the activities described in  
12 the report were carried out; and

13 (ii) whether any cost savings esti-  
14 mated in the report are accurate.

15 **SEC. 922. ANALYSIS OF DEPARTMENT OF DEFENSE BUSI-**  
16 **NESS MANAGEMENT AND OPERATIONS**  
17 **DATASETS TO PROMOTE SAVINGS AND EFFI-**  
18 **CIENCIES.**

19 (a) IN GENERAL.—The Chief Management Officer of  
20 the Department of Defense shall develop a policy on anal-  
21 ysis of Department of Defense datasets on business man-  
22 agement and business operations by the public for pur-  
23 poses of accessing data analysis capabilities that would  
24 promote savings and efficiencies and otherwise enhance  
25 the utility of such datasets to the Department.

1 (b) INITIAL DISCHARGE OF POLICY.—

2 (1) IN GENERAL.—The Chief Management Offi-  
3 cer shall commence the discharge of the policy re-  
4 quired pursuant to subsection (a) by—

5 (A) identifying one or more matters—

6 (i) that are of significance to the De-  
7 partment of Defense;

8 (ii) that are currently unresolved; and

9 (iii) whose resolution from a business  
10 management or business operations  
11 dataset of the Department could benefit  
12 from a method or technique of analysis not  
13 currently familiar to the Department;

14 (B) identifying between three and five  
15 business management or business operations  
16 datasets of the Department not currently avail-  
17 able to the public whose evaluation could result  
18 in novel data analysis solutions toward manage-  
19 ment or operations problems of the Department  
20 identified by the Chief Management Officer;  
21 and

22 (C) encouraging, whether by competition  
23 or other mechanisms, the evaluation of the  
24 datasets described in subparagraph (B) by ap-

1           appropriate persons and entities in the public or  
2           private sector (including academia).

3           (2) PROTECTION OF SECURITY AND CONFIDEN-  
4           TIALITY.—In providing for the evaluation of  
5           datasets pursuant to this subsection, the Chief Man-  
6           agement Officer shall take appropriate actions to  
7           protect the security and confidentiality of any infor-  
8           mation contained in the datasets, including through  
9           special precautions to ensure that any personally  
10          identifiable information is not included and no re-  
11          lease of information will adversely affect national se-  
12          curity missions.

13 **SEC. 923. PERIODIC REVIEW OF THE DEFENSE AGENCIES**  
14                                   **AND DEPARTMENT OF DEFENSE FIELD AC-**  
15                                   **TIVITIES BY THE CHIEF MANAGEMENT OFFI-**  
16                                   **CER OF THE DEPARTMENT OF DEFENSE.**

17          (a) PERIODIC REVIEW.—Subsection (c) of section  
18          192 of title 10, United States Code, is amended—

19                 (1) by redesignating paragraph (2) as para-  
20                 graph (3); and

21                 (2) by inserting before paragraph (3), as so re-  
22                 designated, the following new paragraphs:

23                 “(1)(A) Not later than January 1, 2020, and periodi-  
24                 cally (but not less frequently than every four years) there-  
25                 after, the Chief Management Officer of the Department

1 of Defense shall conduct a review of the efficiency and ef-  
2 fectiveness of each Defense Agency and Department of  
3 Defense Field Activity. Each review shall, to the maximum  
4 extent practicable, be conducted in coordination with other  
5 ongoing efforts in connection with business enterprise re-  
6 form.

7 “(B) As part of each review under this paragraph,  
8 the Chief Management Officer shall identify each activity  
9 of an Agency or Activity that is substantially similar to,  
10 or duplicative of, an activity carried out by another organi-  
11 zation or element of the Department of Defense, or is not  
12 being performed to an adequate level to meet Department  
13 needs.

14 “(C) For purposes of conducting reviews under this  
15 paragraph, the Chief Management Officer shall develop in-  
16 ternal guidance that defines requirements for such reviews  
17 and provides clear direction for conducting and recording  
18 the results of reviews.

19 “(2)(A) Not later than 90 days after the completion  
20 of a review under paragraph (1), the Chief Management  
21 Officer shall submit to the congressional defense commit-  
22 tees a report that sets forth the results of the review.

23 “(B) The report on a review under this paragraph  
24 shall, based on the results of the review, include the fol-  
25 lowing:

1           “(i) A list of each Defense Agency and Depart-  
2           ment of Defense Field Activity that the Chief Man-  
3           agement Officer has determined—

4                   “(I) operates efficiently and effectively;  
5           and

6                   “(II) does not carry out any function that  
7           is substantially similar to, or duplicative of, a  
8           function carried out by another organization or  
9           element of the Department of Defense.

10           “(ii) With respect to each Agency or Activity  
11           not included on the list under clause (i), a plan,  
12           aimed at better meeting Department needs, for—

13                   “(I) rationalizing the functions within such  
14           Agency or Activity; or

15                   “(II) transferring some or all of the func-  
16           tions of such Agency or Activity to another or-  
17           ganization or element of the Department.

18           “(iii) Recommendations for functions, if any,  
19           currently conducted separately by the military de-  
20           partments that should be consolidated into an Agen-  
21           cy or Activity.”.

22           (b) REPEAL OF SPECIAL RULE FOR DEFENSE BUSI-  
23           NESS TRANSFORMATION AGENCY.—Such section is fur-  
24           ther amended by striking subsection (e).

1           (c) LIMITATION ON TERMINATION.—Such section is  
2 further amended by adding at the end the following new  
3 subsection (e):

4           “(e) LIMITATION ON TERMINATION.—The Secretary  
5 of Defense may not terminate a Defense Agency or De-  
6 partment of Defense Field Activity until 30 days after the  
7 date on which the Secretary submits to the congressional  
8 defense committees a report setting forth the following:

9                   “(1) Notice of the intent of the Secretary to  
10 terminate the Agency or Activity.

11                   “(2) Such recommendations for legislative ac-  
12 tion as the Secretary considers appropriate in con-  
13 nection with the termination of the Agency or Activ-  
14 ity.”.

15 **SEC. 924. ACTIONS TO INCREASE THE EFFICIENCY AND**  
16 **TRANSPARENCY OF THE DEFENSE LOGISTICS**  
17 **AGENCY.**

18           (a) SYSTEM AND CAPABILITY.—Not later than Janu-  
19 ary 1, 2020, the Director of the Defense Logistics Agency  
20 and the Chief Management Officer of the Department of  
21 Defense shall jointly, in consultation with the customers  
22 served by the Agency, develop and implement—

23                   (1) a comprehensive system that enables cus-  
24 tomers of the Agency to view—

1 (A) the inventory of items and materials  
2 available to customers from the Agency; and

3 (B) the delivery status of items and mate-  
4 rials that are in transit to customers; and

5 (2) a predictive analytics capability designed to  
6 increase the efficiency of the system described in  
7 paragraph (1) by identifying emerging customer  
8 needs with respect to items and materials supplied  
9 by the Agency, including any emerging needs arising  
10 from the use of new weapon systems by customers.

11 (b) ACTIONS TO INCREASE EFFICIENCY.—Not later  
12 than January 1, 2020, the Director and the Chief Man-  
13 agement Officer shall jointly—

14 (1) develop a plan to reduce the rates charged  
15 by the Agency to customers, in aggregate—

16 (A) by not less than 10 percent; or

17 (B) if the Chief Management Officer deter-  
18 mines that a reduction of rates in aggregate of  
19 10 percent or more will create overall inefficien-  
20 cies for the Department, by such percentage  
21 less than 10 percent as the Chief Management  
22 Officer considers appropriate to avoid such inef-  
23 ficiencies, but only after notifying the congres-  
24 sional defense committees of such lesser per-

1 centage in reduction of rates pursuant to this  
2 subparagraph;

3 (2) eliminate the duplication of services within  
4 the Agency; and

5 (3) establish specific goals and metrics to en-  
6 sure that the Agency is fulfilling its mission of pro-  
7 viding items and materials to customers with suffi-  
8 cient speed and in sufficient quantities to ensure the  
9 lethality and readiness of warfighters.

10 (c) PLAN REQUIRED.—Not later than February 1,  
11 2019, the Director and the Chief Management Officer  
12 shall jointly submit to the congressional defense commit-  
13 tees a plan that describes how the Director and the Chief  
14 Management Officer will achieve compliance with the re-  
15 quirements of subsections (a) and (b).

16 **SEC. 925. REVIEW OF FUNCTIONS OF DEFENSE CONTRACT**  
17 **AUDIT AGENCY AND DEFENSE CONTRACT**  
18 **MANAGEMENT AGENCY.**

19 (a) REVIEW.—The Secretary of Defense shall, acting  
20 through the Chief Management Officer of the Department  
21 of Defense, direct the Under Secretary of Defense for Ac-  
22 quisition and Sustainment and the Under Secretary of De-  
23 fense (Comptroller) to conduct a joint review of the func-  
24 tions of the Defense Contract Audit Agency and the De-

1 fense Contract Management Agency. The review shall in-  
2 clude the following:

3 (1) A validation of the missions and functions  
4 of each Agency.

5 (2) An assessment of the effectiveness of each  
6 Agency in performing designated functions, includ-  
7 ing identification and analysis of qualitative and  
8 quantitative metrics of performance.

9 (3) An assessment of the adequacy of the re-  
10 sources, authorities, workforce training, and size of  
11 each Agency to perform designated functions.

12 (4) An assessment of cost savings or avoidance  
13 attributable to the conduct of the activities of each  
14 Agency.

15 (5) A determination whether functions per-  
16 formed by either Agency could be performed more  
17 appropriately and effectively by any combination of  
18 the following:

19 (A) The other Agency.

20 (B) Any other organization or element of  
21 the Department of Defense, including the mili-  
22 tary departments.

23 (C) Commercial providers.



1           (4) An assessment of changes required to the  
2 mission and activities of the Service based on the  
3 availability and application of current and potential  
4 future information technology capabilities.

5           (5) A determination whether any functions cur-  
6 rently performed by the Service could be performed  
7 more appropriately and effectively by any combina-  
8 tion of the following:

9                   (A) Any other organization or element of  
10 the Department of Defense, including the mili-  
11 tary departments.

12                   (B) Commercial providers.

13           (6) A determination whether any functions cur-  
14 rently performed by other organizations or elements  
15 of the Department could be consolidated within the  
16 Service in order to promote effectiveness and reduce  
17 duplicative effort.

18           (b) REPORT.—Not later than March 1, 2020, the  
19 Secretary of Defense shall submit to the congressional de-  
20 fense committees a report setting forth the results of the  
21 review conducted under subsection (a).

1 **SEC. 927. ASSESSMENT OF CHIEF INFORMATION OFFICER**  
2 **FUNCTIONS IN CONNECTION WITH TRANSI-**  
3 **TION TO ENTERPRISE-WIDE MANAGEMENT**  
4 **OF INFORMATION TECHNOLOGY AND COM-**  
5 **PUTING.**

6 (a) ASSESSMENT REQUIRED.—The Chief Informa-  
7 tion Officer of the Department of Defense shall, in con-  
8 junction with the Chief Management Officer of the De-  
9 partment of Defense, conduct an assessment of chief infor-  
10 mation officer functions in the Department of Defense  
11 with a view toward the rationalization of such functions  
12 across the Defense Agencies and Department of Defense  
13 Field Activities in a manner consistent with the plans of  
14 the Department for a transition to enterprise-wide man-  
15 agement of information technology (IT) networks and  
16 computing.

17 (b) ELEMENTS.—The assessment conducted pursu-  
18 ant to subsection (a) shall result in the following:

19 (1) A determination of the number, duties and  
20 responsibilities, and grades of personnel performing  
21 management and oversight of information technology  
22 activities.

23 (2) Recommendations for the role the Chief In-  
24 formation Officer in managing the information tech-  
25 nology workforce in the Office of the Secretary of  
26 Defense, and for selecting and approving personnel

1 for the information technology workforces of the  
2 military departments, Defense Agencies, and De-  
3 partment of Defense Field Activities.

4 (c) REPORT REQUIRED.—Not later than February 1,  
5 2019, the Chief Information Officer and the Chief Man-  
6 agement Officer shall jointly submit to the congressional  
7 defense committees a report that sets forth a description  
8 of the results of the assessment conducted pursuant to  
9 subsection (a), including a description of any actions pro-  
10 posed as a result of the assessment to achieve enterprise-  
11 wide efficiencies in the management of information tech-  
12 nology networks and computing.

13 (d) PLAN REQUIRED.—Not later than January 1,  
14 2020, the Chief Information Officer and the Chief Man-  
15 agement Officer shall jointly submit to the congressional  
16 defense committees a report setting forth a plan to carry  
17 out the proposed actions described in subsection (c).

18 **SEC. 928. COMPTROLLER GENERAL OF THE UNITED**  
19 **STATES REPORT ON CROSS-ENTERPRISE AC-**  
20 **TIVITIES OF THE INSPECTORS GENERAL OF**  
21 **THE DEPARTMENT OF DEFENSE.**

22 (a) REPORT REQUIRED.—Not later than one year  
23 after the date of the enactment of this Act, the Comp-  
24 troller General of the United States shall submit to Con-  
25 gress a report on cross-enterprise activities of the Inspec-

1 tors General of the organizations and elements of the De-  
2 partment of Defense, including public affairs, human re-  
3 sources, services contracting, other contracting, and any  
4 other cross-enterprise activities of the Inspectors General  
5 the Comptroller General considers appropriate for pur-  
6 poses of the report.

7 (b) ELEMENTS.—The report under subsection (a)  
8 shall identify with respect to the activities referred to in  
9 that subsection the following:

10 (1) Opportunities to maximize efficiency.

11 (2) Opportunities to minimize duplication of ef-  
12 fort, including through reduction or elimination of  
13 duplicative functions.

14 (3) Any other matters the Comptroller General  
15 considers appropriate.

16 **SEC. 929. GENERAL PROVISIONS.**

17 (a) CONSOLIDATED REPORT.—The plans and reports  
18 required to be submitted to the congressional defense com-  
19 mittees under this subtitle on or before March 1, 2020,  
20 may be combined and submitted in the form of a single,  
21 consolidated document.

22 (b) DEFINITIONS.—In this subtitle, the terms “De-  
23 fense Agency”, “Department of Defense Field Activity”,  
24 and “military departments” have the meanings given the  
25 terms in section 101(a) of title 10, United States Code.

1 **Subtitle D—Other Department of**  
2 **Defense Organization and Man-**  
3 **agement Matters**

4 **SEC. 931. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
5 **MAJOR HEADQUARTERS ACTIVITIES OF THE**  
6 **DEPARTMENT OF DEFENSE.**

7 (a) CERTIFICATION ON AVERAGE AMOUNTS EX-  
8 PENDED ON MAJOR HEADQUARTERS ACTIVITIES.—Not  
9 later than February 1, 2019, the Under Secretary of De-  
10 fense (Comptroller) shall submit to the congressional de-  
11 fense committees a report that certifies each of the fol-  
12 lowing percentages in connection with amounts expended  
13 on major headquarters activities:

14 (1) The average percentage of the amount au-  
15 thorized to be appropriated for the Department of  
16 Defense per fiscal year, during the 10 fiscal years  
17 ending with fiscal year 2018, that has been ex-  
18 pended on major headquarters activities.

19 (2) The average percentage of the amount au-  
20 thorized to be appropriated for the Department of  
21 Defense per fiscal year, during the 10 fiscal years  
22 ending with fiscal year 2018, that has been ex-  
23 pended on major headquarters activities of the Of-  
24 fice of the Secretary of Defense.

1           (3) The average percentage of the amount au-  
2           thorized to be appropriated for each military depart-  
3           ment per fiscal year, during the 10 fiscal years end-  
4           ing with fiscal year 2018, that has been expended on  
5           major headquarters activities of such military de-  
6           partment.

7           (4) The average percentage of the amount au-  
8           thorized to be appropriated for the Department of  
9           Defense per fiscal year, during the 10 fiscal years  
10          ending with fiscal year 2018, and available for the  
11          combatant commands that has been spent on major  
12          headquarters activities of the combatant commands.

13          (b) OVERALL LIMITATION.—In fiscal year 2021, the  
14          aggregate amount that may be obligated and expended on  
15          major headquarters activities may not exceed an amount  
16          equal to the percentage specified in subsection (a)(1) of  
17          the amount authorized to be appropriated for the Depart-  
18          ment of Defense for that fiscal year.

19          (c) LIMITATION FOR PARTICULAR ACTIVITIES.—  
20          Within the amount available for fiscal year 2021 pursuant  
21          to subsection (b), amounts shall be available as follows:

22                (1) For major headquarters activities of the Of-  
23                fice of the Secretary of Defense, not more than an  
24                amount equal to the percentage specified in sub-  
25                section (a)(2) of the amount authorized to be appro-

1        appropriated for the Department of Defense for fiscal  
2        year 2021.

3            (2) For major headquarters activities of each  
4        military department, not more than an amount equal  
5        to the percentage specified in subsection (a)(3) with  
6        respect to such military department of the amount  
7        authorized to be appropriated for such military de-  
8        partment for fiscal year 2021.

9            (3) For major headquarters activities of the  
10       combatant commands, not more than an amount  
11       equal to the percentage specified in subsection (a)(4)  
12       of the amount authorized to be appropriated for the  
13       Department of Defense for fiscal year 2021 and  
14       available for the combatant commands.

15        (d) DEFINITIONS.—In this section:

16            (1) The term “major headquarters activities”  
17        has the meaning given the term “major Department  
18        of Defense headquarters activities” in section  
19        346(b)(3) of the National Defense Authorization Act  
20        for Fiscal Year 2016 (10 U.S.C. 111 note).

21            (2) The term “major headquarters activities of  
22        a military department” means the following:

23            (A) In the case of the Army, the Office of  
24        the Secretary of the Army and the Army Staff.

1 (B) In the case of the Navy, the Office of  
2 the Secretary of the Navy, the Office of the  
3 Chief of Naval Operations, and Headquarters,  
4 Marine Corps.

5 (C) In the case of the Air Force, the Office  
6 of the Secretary of the Air Force and the Air  
7 Staff.

8 (3) The term “Office of the Secretary of De-  
9 fense” includes the Joint Staff.

10 **SEC. 932. JOHN S. MCCAIN STRATEGIC DEFENSE FELLOWS**  
11 **PROGRAM.**

12 (a) FELLOWSHIP PROGRAM.—

13 (1) IN GENERAL.—Not later than one year  
14 after the date of the enactment of this Act, the Sec-  
15 retary of Defense shall establish within the Depart-  
16 ment of Defense a civilian fellowship program de-  
17 signed to provide leadership development and the  
18 commencement of a career track toward senior lead-  
19 ership in the Department.

20 (2) DESIGNATION.—The fellowship program  
21 shall be known as the “John S. McCain Strategic  
22 Defense Fellows Program” (in this section referred  
23 to as the “fellows program”).

24 (b) ELIGIBILITY.—An individual is eligible for par-  
25 ticipation in the fellows program if the individual—

1           (1) is a citizen of the United States or a lawful  
2 permanent resident of the United States in the year  
3 in which the individual applies for participation in  
4 the fellows program; and

5           (2) either—

6                 (A) possesses a graduate degree from an  
7 accredited institution of higher education in the  
8 United States that was awarded not later than  
9 two years before the date of the acceptance of  
10 the individual into the fellows program; or

11                 (B) will be awarded a graduate degree  
12 from an accredited institution of higher edu-  
13 cation in the United States not later than six  
14 months after the date of the acceptance of the  
15 individual into the fellows program.

16         (c) APPLICATION.—

17           (1) APPLICATION REQUIRED.—Each individual  
18 seeking to participate in the fellows program shall  
19 submit to the Secretary of Defense an application  
20 therefor at such time and in such manner as the  
21 Secretary shall specify.

22           (2) ELEMENTS.—Each application of an indi-  
23 vidual under this subsection shall include the fol-  
24 lowing:

1 (A) Transcripts of educational achievement  
2 at the undergraduate and graduate level.

3 (B) A resume.

4 (C) Proof of citizenship or lawful perma-  
5 nent residence.

6 (D) An endorsement from the applicant's  
7 graduate institution of higher education.

8 (E) An academic writing sample.

9 (F) Letters of recommendation addressing  
10 the applicant's character, academic ability, and  
11 any extracurricular activities.

12 (G) A personal statement by the applicant  
13 explaining career areas of interest and motiva-  
14 tions for service in the Department.

15 (H) Such other information as the Sec-  
16 retary considers appropriate.

17 (d) SELECTION.—

18 (1) IN GENERAL.—Each year, the Secretary of  
19 Defense shall select participants in the fellows pro-  
20 gram from among applicants for the fellows program  
21 for such year who qualify for participation in the fel-  
22 lows program based on character, commitment to  
23 public service, academic achievement, extracurricular  
24 activities, and such other qualifications for participa-

1           tion in the fellows program as the Secretary con-  
2           siders appropriate.

3           (2) NUMBER.—The number of individuals se-  
4           lected to participate in the fellows program in any  
5           year may not exceed the numbers as follows:

6           (A) Ten individuals from each geographic  
7           region of the United States as follows:

8                   (i) The Northeast.

9                   (ii) The Southeast.

10                  (iii) The Midwest.

11                  (iv) The Southwest.

12                  (v) The West.

13           (B) Ten additional individuals.

14           (3) BACKGROUND INVESTIGATION.—An indi-  
15           vidual selected to participate in the fellows program  
16           may not participate in the program unless the indi-  
17           vidual successfully undergoes a background inves-  
18           tigation applicable to the position to which the indi-  
19           vidual will be assigned under the fellows program  
20           and otherwise meets such requirements applicable to  
21           assignment to a sensitive position within the Depart-  
22           ment that the Secretary considers appropriate.

23           (e) ASSIGNMENT.—

1           (1) IN GENERAL.—Each individual who partici-  
2           pates in the fellows program shall be assigned to a  
3           position in one of the following:

4                   (A) The Office of the Secretary of Defense.

5                   (B) An office of the Secretary of a military  
6           department.

7           (2) POSITION REQUIREMENTS.—Each Secretary  
8           of a military department, and each Under Secretary  
9           of Defense and Director of a Defense Agency who  
10          reports directly to the Secretary of Defense, shall  
11          submit to the Secretary of Defense each year the  
12          qualifications and skills to be demonstrated by par-  
13          ticipants in the fellows program to qualify for as-  
14          signment under this subsection for service in a posi-  
15          tion of the office of such Secretary, Under Sec-  
16          retary, or Director.

17          (3) ASSIGNMENT TO POSITIONS.—The Sec-  
18          retary of Defense shall each year assign participants  
19          in the fellows program to positions in the offices of  
20          the Secretaries of the military departments, and the  
21          offices of the Under Secretaries and Directors de-  
22          scribed in paragraph (2). In making such assign-  
23          ments, the Secretary of Defense shall seek to best  
24          match the qualifications and skills of participants in  
25          the fellows program with the requirements of posi-

1        tions available for assignment. Each participant so  
2        assigned shall serve as a special assistant to the Sec-  
3        retary, Under Secretary, or Director to whom as-  
4        signed.

5            (4) LIMITATION ON NUMBER ASSIGNABLE TO  
6        SECRETARIES OF MILITARY DEPARTMENTS.—The  
7        number of participants in the fellows program who  
8        are assigned to the office of a Secretary of a military  
9        department in any year may not exceed five partici-  
10       pants.

11           (5) TERM.—The term of each assignment  
12        under the fellows program shall be one year.

13           (6) PAY AND BENEFITS.—An individual as-  
14        signed to a position under the fellows program shall  
15        be compensated at the rate of compensation for em-  
16        ployees at level GS–10 of the General Schedule, and  
17        shall be treated as an employee of the United States  
18        during the term of assignment, including for pur-  
19        poses of eligibility for health care benefits and retire-  
20        ment benefits available to employees of the United  
21        States.

22           (7) EDUCATION LOAN REPAYMENT.—To the ex-  
23        tent that funds are provided in advance in appro-  
24        priations Acts, the Secretary of Defense may repay  
25        any loan of a participant in the fellows program if

1 the loan is described by subparagraph (A), (B), or  
2 (C) of section 16301(a)(1) of title 10, United States  
3 Code. Any repayment of loans under this paragraph  
4 shall be on a first-come, first-served basis.

5 (f) CAREER DEVELOPMENT.—

6 (1) IN GENERAL.—The Secretary of Defense  
7 shall ensure that participants in the fellows pro-  
8 gram—

9 (A) receive opportunities and support ap-  
10 propriate for the commencement of a career  
11 track within the Department leading toward a  
12 future position of senior leadership within the  
13 Department, including ongoing mentorship sup-  
14 port through appropriate personnel from enti-  
15 ties within the Department such as the Defense  
16 Business Board and the Defense Innovation  
17 Board; and

18 (B) are provided appropriate opportunities  
19 for employment and advancement within the  
20 Department upon successful completion of the  
21 fellows program, including, if appropriate, op-  
22 portunities to work at Department installations  
23 or Field Activities for between 12 and 24  
24 months.

1           (2) RESERVATION OF POSITIONS.—In carrying  
2           out paragraph (1)(B), the Secretary shall reserve for  
3           participants who successfully complete the fellows  
4           program not fewer than 30 positions in the excepted  
5           service within the Department that are suitable for  
6           the commencement of a career track toward senior  
7           leadership within the Department. Any position so  
8           reserved shall not be subject to or covered by any re-  
9           duction in headquarters personnel required under  
10          any other provision of law.

11          (3) NONCOMPETITIVE APPOINTMENT.—Upon  
12          the successful completion of the assignment of a  
13          participant in the fellows program in a position pur-  
14          suant to subsection (e), the Secretary may, without  
15          regard to the provisions of subchapter I of chapter  
16          33 of title 5, United States Code, appoint the partic-  
17          ipant to a position reserved pursuant to paragraph  
18          (2) if the Secretary determines that such appoint-  
19          ment will contribute to the development of highly  
20          qualified future senior leaders for the Department.

21          (4) PUBLICATION OF SELECTION.—The Sec-  
22          retary shall publish on an Internet website of the  
23          Department available to the public the names of the  
24          individuals selected to participate in the fellows pro-  
25          gram.

1 (g) OUTREACH.—The Secretary of Defense shall un-  
2 dertake appropriate outreach to inform potential partici-  
3 pants in the fellows program of the nature and benefits  
4 of participation in the fellows program.

5 (h) REGULATIONS.—The Secretary of Defense shall  
6 carry out this section in accordance with such regulations  
7 as the Secretary may prescribe for purposes of this sec-  
8 tion.

9 (i) FUNDING.—Of the amounts authorized to be ap-  
10 propriated for each fiscal year for the Department of De-  
11 fense for operation and maintenance, Defense-wide,  
12 \$10,000,000 may be available to carry out the fellows pro-  
13 gram in such fiscal year.

14 **SEC. 933. PERFORMANCE OF CIVILIAN FUNCTIONS BY MILI-**  
15 **TARY PERSONNEL.**

16 Section 129a(g)(1)(A) of title 10, United States  
17 Code, is amended by striking “, including a permanent  
18 conversion” and all that follows through the semicolon and  
19 inserting “is cost-effective, taking into account the fully-  
20 burdened costs of the civilian, military, and contractor  
21 workforces, including the impact of the performance of  
22 such functions on military career progression or when re-  
23 quired by military necessity;”.

1 **SEC. 934. REPORT ON IMPLEMENTATION OF REQUIRE-**  
2 **MENTS ON ESTIMATION AND COMPARISON**  
3 **OF COSTS OF CIVILIAN AND MILITARY MAN-**  
4 **POWER AND CONTRACT SUPPORT FOR THE**  
5 **DEPARTMENT OF DEFENSE.**

6 Not later than March 1, 2019, the Secretary of De-  
7 fense shall submit to the congressional defense committees  
8 a report on the implementation of Department of Defense  
9 Instruction 7041.04. The report shall include an assess-  
10 ment whether the Department of Defense is properly  
11 using civilian personnel in its workforce in the most cost-  
12 efficient manner when compared to its use of military and  
13 contractor personnel in its workforce.

14 **SEC. 935. REVIEW OF FOREIGN CURRENCY EXCHANGE**  
15 **RATES AND ANALYSIS OF FOREIGN CUR-**  
16 **RENCY FLUCTUATIONS, DEFENSE APPRO-**  
17 **PRIATION.**

18 (a) IN GENERAL.—The Under Secretary of Defense  
19 (Comptroller) shall, in coordination with the Comptrollers  
20 of the military departments, conduct a review of the ex-  
21 change rates for foreign currency used when making a dis-  
22 bursement pursuant to any expenditure or expense made  
23 by the Department of Defense in order to determine  
24 whether cost-savings could be achieved through a more  
25 consistent selection of cost-effective rates in the making  
26 of such disbursements. The review shall include an anal-

1 ysis of realized and projected losses on foreign currency  
2 exchange in order to determine an appropriate balance for  
3 the “Foreign Currency Fluctuations, Defense” account.

4 (b) REPORT.—Not later than January 31, 2019, the  
5 Under Secretary shall submit to the congressional defense  
6 committees a report setting forth a summary of the review  
7 conducted pursuant to subsection (a).

8 **SEC. 936. RESPONSIBILITY FOR POLICY ON CIVILIAN CAS-**  
9 **UALTY MATTERS.**

10 (a) DESIGNATION OF SENIOR CIVILIAN OFFICIAL.—  
11 Not later than 90 days after the date of the enactment  
12 of this Act, the Under Secretary of Defense for Policy  
13 shall designate a senior civilian official of the Department  
14 of Defense within the Office of the Secretary of Defense  
15 at or above the level of Assistant Secretary of Defense to  
16 develop, coordinate, and oversee compliance with the pol-  
17 icy of the Department relating to civilian casualties result-  
18 ing from United States military operations.

19 (b) RESPONSIBILITIES.—The senior civilian official  
20 designated under subsection (a) shall ensure that the pol-  
21 icy referred to in that subsection provides for—

22 (1) uniform processes and standards across the  
23 combatant commands for accurately recording ki-  
24 netic strikes by the United States military;

1           (2) the development and dissemination of best  
2 practices for reducing the likelihood of civilian cas-  
3 ualties from United States military operations;

4           (3) the development of publicly available means,  
5 including an Internet-based mechanism, for the sub-  
6 mittal to the United States Government of allega-  
7 tions of civilian casualties resulting from United  
8 States military operations;

9           (4) uniform processes and standards across the  
10 combatant commands for reviewing and inves-  
11 tigating allegations of civilian casualties resulting  
12 from United States military operations, including  
13 the consideration of relevant information from all  
14 available sources;

15           (5) uniform processes and standards across the  
16 combatant commands for—

17           (A) acknowledging the responsibility of the  
18 United States military for civilian casualties re-  
19 sulting from United States military operations;  
20 and

21           (B) offering ex gratia payments to civilians  
22 who have been injured, or to the families of ci-  
23 vilians killed, as a result of United States mili-  
24 tary operations, as determined to be necessary  
25 by the designated senior civilian official;

1 (6) regular engagement with relevant intergov-  
2 ernmental and nongovernmental organizations;

3 (7) public affairs guidance with respect to mat-  
4 ters relating to civilian casualties alleged or con-  
5 firmed to have resulted from United States military  
6 operations; and

7 (8) such other matters with respect to civilian  
8 casualties resulting from United States military op-  
9 erations as the designated senior civilian official con-  
10 siders appropriate.

11 (c) REPORT.—Not later than 180 days after the date  
12 of the enactment of this Act, the senior civilian official  
13 designated under subsection (a) shall submit to the con-  
14 gressional defense committees a report that describes—

15 (1) the policy developed by the senior civilian  
16 official under that subsection; and

17 (2) the efforts of the Department to implement  
18 such policy.

19 **SEC. 937. ADDITIONAL MATTERS IN CONNECTION WITH**  
20 **BACKGROUND AND SECURITY INVESTIGA-**  
21 **TIONS FOR DEPARTMENT OF DEFENSE PER-**  
22 **SONNEL.**

23 Section 925(k)(3) of the National Defense Authoriza-  
24 tion Act for Fiscal Year 2018 (Public Law 115–91) is  
25 amended—

1           (1) by redesignating subparagraphs (H)  
2 through (L) as subparagraphs (I) through (M), re-  
3 spectively; and

4           (2) by inserting after subparagraph (G) the fol-  
5 lowing new subparagraph (H):

6                   “(H) The number of denials or revocations  
7 of a security clearance by each authorized adju-  
8 dicative agency that occurred separately from a  
9 periodic reinvestigation.”.

10 **SEC. 938. RESEARCH AND DEVELOPMENT TO ADVANCE CA-**  
11 **PABILITIES OF THE DEPARTMENT OF DE-**  
12 **FENSE IN DATA INTEGRATION AND AD-**  
13 **VANCED ANALYTICS IN CONNECTION WITH**  
14 **PERSONNEL SECURITY.**

15       (a) **PLAN REQUIRED.**—The Under Secretary of De-  
16 fense for Intelligence shall develop a plan on research and  
17 development activities to advance the capabilities of the  
18 Department of Defense in data integration and advanced  
19 analytics in connection with personnel security activities  
20 of the Department. The plan shall, to the extent prac-  
21 ticable, provide for the leveraging of the capabilities of  
22 other government entities, institutions of higher education,  
23 and private sector entities with advanced, leading-edge ex-  
24 pertise in data integration and analytics applicable to the

1 challenges faced by the Department in connection with  
2 personnel security.

3 (b) COORDINATION.—Any activities under the plan  
4 may be carried out in coordination with the Defense Dig-  
5 ital Service and the Defense Innovation Board.

6 (c) BRIEFING.—Not later than 180 days after the  
7 date of the enactment of this Act, the Under Secretary  
8 shall provide to the appropriate committees of Congress  
9 a briefing on the plan.

10 (d) APPROPRIATE COMMITTEES OF CONGRESS DE-  
11 FINED.—In this section, the term “appropriate commit-  
12 tees of Congress” means—

13 (1) the Committee on Armed Services, the  
14 Committee on Appropriations, and the Select Com-  
15 mittee on Intelligence of the Senate; and

16 (2) the Committee on Armed Services, the  
17 Committee on Appropriations, and the Permanent  
18 Select Committee on Intelligence of the House of  
19 Representatives.

## 20 **Subtitle E—Other Matters**

### 21 **SEC. 941. TRUSTED INFORMATION PROVIDER PROGRAM** 22 **FOR NATIONAL SECURITY POSITIONS AND** 23 **POSITIONS OF TRUST.**

24 (a) PROGRAM REQUIRED.—Not later than 90 days  
25 after the date of the enactment of this Act, the Security

1 Executive Agent and the Suitability/Credentialing Execu-  
2 tive Agent shall establish and implement a program (to  
3 be known as the “Trusted Information Provider Pro-  
4 gram”) to share between and among agencies of the Fed-  
5 eral Government and industry partners of the Federal  
6 Government relevant background information regarding  
7 individuals applying for and currently occupying national  
8 security positions and positions of trust, in order to ensure  
9 the Federal Government maintains a trusted workforce.

10 (b) PRIVACY SAFEGUARDS.—The Security Executive  
11 Agent and the Suitability/Credentialing Executive Agent  
12 shall ensure that the program required by subsection (a)  
13 includes such safeguards for privacy as the Security Exec-  
14 utive Agent and the Suitability/Credentialing Executive  
15 Agent consider appropriate.

16 (c) PROVISION OF INFORMATION TO THE FEDERAL  
17 GOVERNMENT.—The program required by subsection (a)  
18 shall include requirements that enable Investigative Serv-  
19 ice Providers and agencies of the Federal Government to  
20 leverage certain pre-employment information gathered  
21 during the employment or military recruiting process, and  
22 other relevant security or human resources information  
23 obtained during employment with or for the Federal Gov-  
24 ernment, that satisfy Federal investigative standards,  
25 while safeguarding personnel privacy.

1 (d) INFORMATION AND RECORDS.—The information  
2 and records considered under the program required by  
3 subsection (a) shall include the following:

- 4 (1) Date and place of birth.
- 5 (2) Citizenship or immigration and naturaliza-  
6 tion information.
- 7 (3) Education records.
- 8 (4) Employment records.
- 9 (5) Employment or social references.
- 10 (6) Military service records.
- 11 (7) State and local law enforcement checks,
- 12 (8) Criminal history checks.
- 13 (9) Financial records or information.
- 14 (10) Foreign travel, relatives or associations.
- 15 (11) Social media checks.
- 16 (12) Any other information or records relevant  
17 to obtaining or maintaining national security, suit-  
18 ability, fitness, or credentialing eligibility.

19 (e) IMPLEMENTATION PLAN.—

- 20 (1) IN GENERAL.—Not later than 90 days after  
21 the date of the enactment of this Act, the Security  
22 Executive Agent and the Suitability/Credentialing  
23 Executive Agent shall jointly submit to Congress a  
24 plan for the implementation of the program required  
25 by subsection (a).

1           (2) ELEMENTS.—The plan required by para-  
2 graph (1) shall include the following:

3           (A) Mechanisms that address privacy, na-  
4 tional security, suitability or fitness,  
5 credentialing, and human resources or military  
6 recruitment processes.

7           (B) Such recommendations for legislative  
8 or administrative action as the Security Execu-  
9 tive Agent and the Suitability/Credentialing Ex-  
10 ecutive Agent consider appropriate to carry out  
11 or improve the program.

12 (f) DEFINITIONS.—In this section:

13           (1) The term “Security Executive Agent”  
14 means the Director of National Intelligence acting  
15 as the Security Executive Agent in accordance with  
16 Executive Order 13467 (73 Fed. Reg. 38103; 50  
17 U.S.C. 3161 note).

18           (2) The term “Suitability/Credentialing Execu-  
19 tive Agent” means the Director of the Office of Per-  
20 sonnel Management acting as the Suitability/  
21 Credentialing Executive Agent in accordance with  
22 Executive Order 13467.

1 **SEC. 942. REPORT ON EXPEDITED PROCESSING OF SECURITY CLEARANCES FOR MISSION-CRITICAL POSITIONS.**

2  
3  
4 (a) IN GENERAL.—Not later than 90 days after the  
5 date of the enactment of this Act, the Security Executive  
6 Agent shall submit to Congress a report on the feasibility  
7 and advisability of, and existing barriers to, programs for  
8 expedited processing of security clearances for mission-  
9 critical positions, whether filled by Government or contract  
10 employees.

11 (b) ELEMENTS.—The report under subsection (a)  
12 shall include the following:

13 (1) Recommendations for the establishment by  
14 Government agencies of programs designed to  
15 prioritize processing of security clearances among  
16 their Government and contract employees seeking  
17 security clearances.

18 (2) Proposed timeliness for the implementation  
19 of programs recommended pursuant to paragraph  
20 (1).

21 (3) Recommendations for legislative or adminis-  
22 trative actions to enable and improve programs of  
23 Government agencies for the expedited processing of  
24 security clearances for mission-critical positions.

25 (c) SECURITY EXECUTIVE AGENT DEFINED.—In this  
26 section, the term “Security Executive Agent” means the

1 Director of National Intelligence acting as the Security  
2 Executive Agent in accordance with Executive Order  
3 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

4 **SEC. 943. REPORT ON CLEARANCE IN PERSON CONCEPT.**

5 (a) REPORT REQUIRED.—Not later than 90 days  
6 after the date of the enactment of this Act, the Security  
7 Executive Agent shall submit to the appropriate commit-  
8 tees of Congress a report on the requirements, feasibility,  
9 and advisability of implementing a clearance in person  
10 concept as described in subsection (b) for maintaining ac-  
11 cess to classified information.

12 (b) CLEARANCE IN PERSON CONCEPT.—

13 (1) IN GENERAL.—Implementation of a clear-  
14 ance in person concept as described in this sub-  
15 section would permit an individual who has been  
16 granted a national security clearance to maintain eli-  
17 gibility for access to classified information, networks,  
18 and facilities after the individual has separated from  
19 service to the Federal Government or transferred to  
20 a position that no longer requires access to classified  
21 information.

22 (2) RECOGNITION AS CURRENT.—The concept  
23 described in paragraph (1) would also ensure that,  
24 unless otherwise directed by the Security Executive  
25 Agent, the individual's security clearance would be

1 recognized as current, regardless of employment sta-  
2 tus, with no further need for investigation or re-  
3 validation until the individual obtains a position re-  
4 quiring access to classified information.

5 (c) CONTENTS.—The report required by subsection  
6 (a) shall address the following:

7 (1) Requirements for continuous vetting.

8 (2) Appropriate safeguards for privacy.

9 (3) An appropriate funding model.

10 (4) Fairness to small business concerns and  
11 independent contractors.

12 (d) DEFINITIONS.—In this section:

13 (1) The term “appropriate committees of Con-  
14 gress” means—

15 (A) the Committee on Armed Services, the  
16 Committee on Appropriations, and the Select  
17 Committee on Intelligence of the Senate; and

18 (B) the Committee on Armed Services, the  
19 Committee on Appropriations, and the Perma-  
20 nent Select Committee on Intelligence of the  
21 House of Representatives.

22 (2) The term “Security Executive Agent”  
23 means the Director of National Intelligence acting  
24 as the Security Executive Agent in accordance with

- 1 Executive Order 13467 (73 Fed. Reg. 38103; 50  
2 U.S.C. 3161 note).

### 3 **TITLE X—GENERAL PROVISIONS**

#### Subtitle A—Financial Matters

- Sec. 1001. General transfer authority.  
Sec. 1002. Expertise in audit remediation.  
Sec. 1003. Authority to transfer funds to Director of National Intelligence for CAPNET.  
Sec. 1004. Audit of financial systems of the Department of Defense.  
Sec. 1005. Report on auditable financial statements.  
Sec. 1006. Transparency of accounting firms used to support Department of Defense audit.

#### Subtitle B—Naval Vessels and Shipyards

- Sec. 1011. Inclusion of operation and sustainment costs in annual naval vessel construction plans.  
Sec. 1012. Purchase of vessels using funds in National Defense Sealift Fund.  
Sec. 1013. Purchase of vessels built in foreign shipyards with funds in National Defense Sealift Fund.  
Sec. 1014. Date of listing of vessels as battle force ships in the Naval Vessel Register and other fleet inventory measures.  
Sec. 1015. Technical corrections and clarifications to chapter 633 of title 10, United States Code, and other provisions of law regarding naval vessels.  
Sec. 1016. Dismantlement and disposal of nuclear-powered aircraft carriers.  
Sec. 1017. Limitation on use of funds for retirement of hospital ships.  
Sec. 1018. Inclusion of aircraft carrier refueling overhaul budget request in annual budget justification materials.  
Sec. 1019. Business case analysis of Ready Reserve Force recapitalization options.  
Sec. 1020. Transfer of excess naval vessel to Bahrain.

#### Subtitle C—Counterterrorism

- Sec. 1031. Definition of sensitive military operation.  
Sec. 1032. Extension of prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba.  
Sec. 1033. Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States.  
Sec. 1034. Prohibition on use of funds to construct or modify facilities in the United States to house detainees transferred from United States Naval Station, Guantanamo Bay, Cuba.  
Sec. 1035. Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to certain countries.

#### Subtitle D—Miscellaneous Authorities and Limitations

- Sec. 1041. Strategic guidance documents within the Department of Defense.  
Sec. 1042. Notification on the provision of defense sensitive support.

- Sec. 1043. Coordinating United States response to malign foreign influence operations and campaigns.
- Sec. 1044. Clarification of reimbursable allowed costs of FAA memoranda of agreement.
- Sec. 1045. Workforce issues for military realignments in the Pacific.
- Sec. 1046. Mitigation of operational risks posed to certain military aircraft by automatic dependent surveillance-broadcast equipment.
- Sec. 1047. Limitation on availability of funds for unmanned surface vehicles.
- Sec. 1048. Pilot program for Department of Defense controlled unclassified information in the hands of industry.
- Sec. 1049. Critical technologies list.
- Sec. 1050. Airborne Hazards and Open Burn Pit Registry.
- Sec. 1051. National Security Commission on Artificial Intelligence.
- Sec. 1052. Authority to transfer funds for Bien Hoa dioxin cleanup.
- Sec. 1053. Guidance on the electronic warfare mission area and joint electromagnetic spectrum operations.

#### Subtitle E—Studies and Reports

- Sec. 1061. Annual reports by the Armed Forces on Out-Year Unconstrained Total Munitions Requirements and Out-Year inventory numbers.
- Sec. 1062. Improvement of annual report on civilian casualties in connection with United States military operations.
- Sec. 1063. Report on capabilities and capacities of Armored Brigade Combat Teams.
- Sec. 1064. Activities and reporting relating to Department of Defense's Cloud Initiative.
- Sec. 1065. Limitation on use of funds for United States Special Operations Command Global Messaging and Counter-Messaging platform.
- Sec. 1066. Comprehensive review of professionalism and ethics programs for special operations forces.
- Sec. 1067. Munitions assessments and future-years defense program requirements.
- Sec. 1068. Report on establishment of Army Futures Command.
- Sec. 1069. Report on cyber-enabled information operations.
- Sec. 1070. Report on unmanned aircraft in Arlington National Cemetery.
- Sec. 1071. Report on an updated Arctic strategy.
- Sec. 1072. Report on use and availability of military installations for disaster response.
- Sec. 1073. Report on Department of Defense participation in Export Administration Regulations license application review process.
- Sec. 1074. Military aviation readiness review in support of the National Defense Strategy.
- Sec. 1075. Report on highest-priority roles and missions of the Department of Defense and the Armed Forces.

#### Subtitle F—Other Matters

- Sec. 1081. Technical, conforming, and clerical amendments.
- Sec. 1082. Principal Advisor on Countering Weapons of Mass Destruction.
- Sec. 1083. Modification of authority to transfer aircraft to other departments for wildfire suppression purposes.
- Sec. 1084. Improvement of database on emergency response capabilities.
- Sec. 1085. Disclosure requirements for United States-based foreign media outlets.

- Sec. 1086. United States policy with respect to freedom of navigation and overflight.
- Sec. 1087. National Commission on Military Aviation Safety.
- Sec. 1088. Sense of Congress regarding the international borders of the United States.
- Sec. 1089. Policy on response to juvenile-on-juvenile problematic sexual behavior committed on military installations.
- Sec. 1090. Recognition of America's veterans.
- Sec. 1091. Prohibition of funds for Chinese language instruction provided by a Confucius Institute.
- Sec. 1092. Department of Defense engagement with certain nonprofit entities in support of missions of deployed United States personnel around the world.

## 1       **Subtitle A—Financial Matters**

### 2       **SEC. 1001. GENERAL TRANSFER AUTHORITY.**

#### 3       (a) AUTHORITY TO TRANSFER AUTHORIZATIONS.—

4               (1) AUTHORITY.—Upon determination by the  
5       Secretary of Defense that such action is necessary in  
6       the national interest, the Secretary may transfer  
7       amounts of authorizations made available to the De-  
8       partment of Defense in this division for fiscal year  
9       2019 between any such authorizations for that fiscal  
10      year (or any subdivisions thereof). Amounts of au-  
11      thorizations so transferred shall be merged with and  
12      be available for the same purposes as the authoriza-  
13      tion to which transferred.

14              (2) LIMITATION.—Except as provided in para-  
15      graph (3), the total amount of authorizations that  
16      the Secretary may transfer under the authority of  
17      this section may not exceed \$4,500,000,000.

18              (3) EXCEPTION FOR TRANSFERS BETWEEN  
19      MILITARY PERSONNEL AUTHORIZATIONS.—A trans-

1       fer of funds between military personnel authoriza-  
2       tions under title IV shall not be counted toward the  
3       dollar limitation in paragraph (2).

4       (b) LIMITATIONS.—The authority provided by sub-  
5       section (a) to transfer authorizations—

6             (1) may only be used to provide authority for  
7       items that have a higher priority than the items  
8       from which authority is transferred; and

9             (2) may not be used to provide authority for an  
10       item that has been denied authorization by Con-  
11       gress.

12       (c) EFFECT ON AUTHORIZATION AMOUNTS.—A  
13       transfer made from one account to another under the au-  
14       thority of this section shall be deemed to increase the  
15       amount authorized for the account to which the amount  
16       is transferred by an amount equal to the amount trans-  
17       ferred.

18       (d) NOTICE TO CONGRESS.—The Secretary shall  
19       promptly notify Congress of each transfer made under  
20       subsection (a).

21       **SEC. 1002. EXPERTISE IN AUDIT REMEDIATION.**

22       (a) TECHNICAL CORRECTIONS.—

23             (1) ELIMINATION OF DUPLICATIVE SECTION  
24       NUMBERS.—

1 (A) IN GENERAL.—Chapter 9A of title 10,  
2 United States Code, is amended by redesignig-  
3 nating sections 251 through 254b as sections  
4 240a through 240f, respectively.

5 (B) CLERICAL AMENDMENTS.—The table  
6 of sections at the beginning of such chapter is  
7 amended by striking the items relating to sec-  
8 tions 251 through 254b and inserting the fol-  
9 lowing new items:

“240a. Audit of Department of Defense financial statements.

“240b. Financial Improvement and Audit Remediation Plan.

“240c. Audit: consolidated corrective action plan; centralized reporting system.

“240d. Audits: audit of financial statements of Department of Defense compo-  
nents by independent external auditors.

“240e. Audits: use of commercial data integration and analysis products in pre-  
paring audits.

“240f. Audits: selection of service providers for audit services.”.

10 (2) OTHER TECHNICAL CORRECTION.—Section  
11 240b of title 10, United States Code, as redesignig-  
12 nated by paragraph (1), is amended in subsection  
13 (a)(2) by redesignating the second clause (iii) and  
14 clause (iv) as clauses (iv) and (v), respectively.

15 (b) ADDITIONAL REQUIREMENTS FOR SEMIANNUAL  
16 BRIEFING ON THE FINANCIAL IMPROVEMENT AND AUDIT  
17 REMEDIATION PLAN.—Paragraph (2) of subsection (b) of  
18 section 240b of title 10, United States Code, as redesignig-  
19 nated by subsection (a), is amended by adding at the end  
20 the following new sentence: “Such briefing shall include  
21 both the absolute number and percentage of personnel per-

1 forming the amount of auditing or audit remediation serv-  
2 ices being performed by professionals meeting the quali-  
3 fications described in section 240d(b) of this title.”.

4 (c) ADDITIONAL REPORTING REQUIREMENTS.—  
5 Paragraph (1) of such subsection is amended—

6 (1) in subparagraph (B), by adding at the end  
7 the following new clauses:

8 “(vii) If less than 50 percent of the  
9 auditing services or if less than 50 percent  
10 of the audit remediation services under  
11 contract, as described in the briefing re-  
12 quired under paragraph (2), are being per-  
13 formed by professionals meeting the quali-  
14 fications described in section 240d(b) of  
15 this title, a detailed description of the risks  
16 associated with the risks of the acquisition  
17 strategy of the Department with respect to  
18 conducting audits and audit remediation  
19 activities and an explanation of how the  
20 strategy complies with the policies ex-  
21 pressed by Congress.

22 “(viii) If less than 25 percent of the  
23 auditing services or if less than 25 percent  
24 of the audit remediation services under  
25 contract, as described in the briefing re-

1           required under paragraph (2), are being per-  
2           formed by professionals meeting the quali-  
3           fications described in section 240d(b) of  
4           this title, a written certification that the  
5           staffing ratio complies with commercial  
6           best practices and presents no increased  
7           risk of delay in the Department’s ability to  
8           achieve a clean audit opinion.”; and

9           (2) by adding at the end the following new sub-  
10          paragraph:

11           “(C) ADDITIONAL REQUIREMENTS.—

12           “(i) UNCLASSIFIED FORM.—A de-  
13           scription submitted pursuant to clause (vii)  
14           of subparagraph (B) or a certification sub-  
15           mitted pursuant to clause (viii) of such  
16           subparagraph shall be submitted in unclas-  
17           sified form, but may contain a classified  
18           annex.

19           “(ii) DELEGATION.—The Secretary  
20           may not delegate the submission of a cer-  
21           tification pursuant to clause (viii) of sub-  
22           paragraph (B) to any official other than  
23           the Deputy Secretary of Defense, the Chief  
24           Management Officer, or the Under Sec-  
25           retary of Defense (Comptroller).”.

1 **SEC. 1003. AUTHORITY TO TRANSFER FUNDS TO DIRECTOR**  
2 **OF NATIONAL INTELLIGENCE FOR CAPNET.**

3 During fiscal year 2019, the Secretary of Defense  
4 may transfer to the Director of National Intelligence,  
5 under the authority in section 1001 of this Act, an amount  
6 that does not exceed \$2,000,000 to provide support for  
7 the operation of the classified network known as  
8 CAPNET.

9 **SEC. 1004. AUDIT OF FINANCIAL SYSTEMS OF THE DEPART-**  
10 **MENT OF DEFENSE.**

11 The Secretary of Defense, acting through the Under  
12 Secretary of Defense (Comptroller) or an appropriate offi-  
13 cial of a military department, shall ensure that each major  
14 implementation of, or modification to, a business system  
15 that contributes to financial information of the Depart-  
16 ment of Defense is reviewed by professional accountants  
17 with experience reviewing Federal financial systems to  
18 validate that such financial system will meet any applica-  
19 ble Federal requirements. The Secretary of Defense shall  
20 ensure that such accountants—

21 (1) are provided all necessary data and records;

22 and

23 (2) report independently on their findings.

1 **SEC. 1005. REPORT ON AUDITABLE FINANCIAL STATE-**  
2 **MENTS.**

3 Not later than 90 days after the date of the enact-  
4 ment of this Act, the Secretary of Defense shall submit  
5 to the congressional defense committees a report ranking  
6 all military departments and Defense Agencies in order  
7 of how advanced they are in achieving auditable financial  
8 statements as required by law. The report should not in-  
9 clude information otherwise available in other reports to  
10 Congress.

11 **SEC. 1006. TRANSPARENCY OF ACCOUNTING FIRMS USED**  
12 **TO SUPPORT DEPARTMENT OF DEFENSE**  
13 **AUDIT.**

14 For all contract actions (including awards, renewals,  
15 and amendments) occurring more than 180 days after the  
16 date of the enactment of this Act, the Secretary of Defense  
17 shall require any accounting firm providing financial state-  
18 ment auditing or audit remediation services to the Depart-  
19 ment of Defense in support of the audit required under  
20 section 3521 of title 31, United States Code, to provide  
21 the Department with a statement setting forth the details  
22 of any disciplinary proceedings with respect to the ac-  
23 counting firm or its associated persons before any entity  
24 with the authority to enforce compliance with rules or laws  
25 applying to audit services offered by accounting firms.

1           **Subtitle B—Naval Vessels and**  
2                           **Shipyards**

3   **SEC. 1011. INCLUSION OF OPERATION AND SUSTAINMENT**  
4                           **COSTS IN ANNUAL NAVAL VESSEL CON-**  
5                           **STRUCTION PLANS.**

6           Section 231(b)(2) of title 10, United States Code, is  
7 amended by adding at the end the following new subpara-  
8 graph:

9                           “(F) The estimated operations and sustainment  
10           costs required to support the vessels delivered under  
11           the naval vessel construction plan.”.

12   **SEC. 1012. PURCHASE OF VESSELS USING FUNDS IN NA-**  
13                           **TIONAL DEFENSE SEALIFT FUND.**

14           Section 2218(f)(3) of title 10, United States Code,  
15 is amended—

16                           (1) in subparagraph (C)—

17   (A) by striking “two” and inserting  
18                           “seven”; and

19   (B) by striking “ships” and inserting “ves-  
20                           sels”;

21                           (2) by redesignating subparagraph (E) as sub-  
22                           paragraph (F); and

23                           (3) by inserting after subparagraph (D) the fol-  
24                           lowing new subparagraph (E):

1       “(E) The Secretary may not use the authority under  
2 this paragraph to procure more than two foreign con-  
3 structed vessels unless the Secretary submits to Congress,  
4 by not later than the second week of February of the fiscal  
5 year during which the Secretary plans to use such author-  
6 ity, a certification that—

7               “(i) the Secretary has initiated an acquisition  
8 strategy for the construction in United States ship-  
9 yards of not less than ten new sealift vessels; and

10              “(ii) of such new sealift vessels, the lead ship  
11 is anticipated to be delivered by not later than  
12 2026.”.

13 **SEC. 1013. PURCHASE OF VESSELS BUILT IN FOREIGN SHIP-**  
14 **YARDS WITH FUNDS IN NATIONAL DEFENSE**  
15 **SEALIFT FUND.**

16       Section 2218(f)(3) of title 10, United States Code,  
17 as amended by section 1012, is further amended—

18              (1) in subparagraph (F), as redesignated by  
19 such section 1012—

20                      (A) by striking “30 days after” and insert-  
21 ing “30 days before”;

22                      (B) in clause (i), by inserting “proposed”  
23 before “date”;

24                      (C) in clause (ii), by striking “was” and  
25 inserting “would be”; and

1 (D) by adding at the end the following new  
2 clause:

3 “(viii) A detailed account of the criteria used to  
4 make the determination under subparagraph (B).”;  
5 and

6 (2) by inserting after subparagraph (F), as so  
7 redesignated, the following new subparagraph:

8 “(G) The Secretary may not finalize or execute the  
9 final purchase of any vessel using the authority under this  
10 paragraph until 30 days after the date on which a report  
11 under subparagraph (E) is submitted with respect to such  
12 purchase.”.

13 **SEC. 1014. DATE OF LISTING OF VESSELS AS BATTLE**  
14 **FORCE SHIPS IN THE NAVAL VESSEL REG-**  
15 **ISTER AND OTHER FLEET INVENTORY MEAS-**  
16 **URES.**

17 (a) IN GENERAL.—Section 7301 of title 10, United  
18 States Code, is amended—

19 (1) by redesignating subsection (c) as sub-  
20 section (d); and

21 (2) by inserting after subsection (b) the fol-  
22 lowing new subsection (c):

23 “(c) LISTING AS BATTLE FORCE SHIP IN NAVAL  
24 VESSEL REGISTER.—A covered vessel may not be listed  
25 in the Naval Vessel Register or other fleet inventory meas-

1 ures as a battle force ship until the delivery date specified  
2 in subsection (a).”.

3 (b) DEFINITIONS.—Such section is further amended  
4 by striking subsection (d), as redesignated by subsection  
5 (a)(1) of this section, and inserting the following new sub-  
6 section:

7 “(d) DEFINITIONS.—In this section:

8 “(1) The term ‘covered vessel’ means any vessel  
9 of the Navy that is under construction or con-  
10 structed using amounts authorized to be appro-  
11 priated for the Department of Defense for ship-  
12 building and conversion, Navy.

13 “(2) The term ‘battle force ship’ means the fol-  
14 lowing:

15 “(A) A commissioned United States Ship  
16 warship capable of contributing to combat oper-  
17 ations.

18 “(B) A United States Naval Ship that con-  
19 tributes directly to Navy warfighting or support  
20 missions.”.

1 **SEC. 1015. TECHNICAL CORRECTIONS AND CLARIFICA-**  
2 **TIONS TO CHAPTER 633 OF TITLE 10, UNITED**  
3 **STATES CODE, AND OTHER PROVISIONS OF**  
4 **LAW REGARDING NAVAL VESSELS.**

5 (a) MODEL BASIN; INVESTIGATION OF HULL DE-  
6 SIGNS.—Section 7303 of title 10, United States Code, is  
7 amended by striking “(a) An office” and all that follows  
8 through “(b) The Secretary” and inserting “The Sec-  
9 retary”.

10 (b) REPEAL OF UNDER-AGE VESSELS PROVISION.—

11 (1) IN GENERAL.—Section 7295 of title 10,  
12 United States Code, is repealed:

13 (2) CLERICAL AMENDMENTS.—The table of sec-  
14 tions at the beginning of chapter 633 of such title  
15 is amended by striking the item relating to section  
16 7295.

17 (c) OTHER PROVISIONS OF LAW.—

18 (1) REPEAL OF POLICY RELATING TO MAJOR  
19 COMBATANT VESSELS OF THE STRIKE FORCES OF  
20 THE UNITED STATES NAVY.—Section 1012 of the  
21 National Defense Authorization Act for Fiscal Year  
22 2008 (Public Law 110–181; 122 Stat. 303; 10  
23 U.S.C. 7291 note) is repealed.

24 (2) REPEAL OF ALTERNATIVE TECHNOLOGIES  
25 FOR FUTURE SURFACE COMBATANTS.—Section 128  
26 of the John Warner National Defense Authorization

1 Act for Fiscal Year 2007 (Public Law 109–364; 120  
2 Stat. 2109; 10 U.S.C. 7291 note) is repealed.

3 (3) REPEAL OF PROVISION ON CONSIDERATION  
4 OF VESSEL LOCATION FOR AWARD OF LAYBERTH  
5 CONTRACTS FOR SEALIFT VESSELS.—Section 375 of  
6 the National Defense Authorization Act for Fiscal  
7 Year 1993 (Public Law 102–484; 106 Stat. 2385;  
8 10 U.S.C. 7291 note) is repealed.

9 (4) REPEAL OF PROVISION ON REVITALIZATION  
10 OF UNITED STATES SHIPBUILDING INDUSTRY.—Sec-  
11 tion 1031 of the National Defense Authorization Act  
12 for Fiscal Year 1993 (Public Law 102–484; 106  
13 Stat. 2489; 10 U.S.C. 7291 note) is repealed.

14 (5) REPEAL OF FAST SEALIFT PROGRAM.—Sec-  
15 tion 1021 of the National Defense Authorization Act  
16 for Fiscal Year 1993 (Public Law 102–484; 106  
17 Stat. 2485; 10 U.S.C. 7291 note) is repealed.

18 (6) REPEAL OF OBSOLETE REQUIREMENT FOR  
19 REPORTS ON EFFECTS OF NAVAL SHIPBUILDING  
20 PLANS ON MARITIME INDUSTRIES.—Section 1227 of  
21 the National Defense Authorization Act for Fiscal  
22 Year 1989 (Public Law 100–456; 102 Stat. 2055;  
23 10 U.S.C. 7291 note) is repealed.

24 (7) REPEAL OF PROHIBITION ON USE OF PUB-  
25 LIC AND PRIVATE SHIPYARDS FOR CONVERSION,

1 OVERHAUL, OR REPAIR WORK UNDER CERTAIN PRO-  
2 GRAMS.—Section 811 of the Department of Defense  
3 Appropriation Authorization Act, 1979 (Public Law  
4 95–485; 92 Stat. 1624; 10 U.S.C. 7291 note) is re-  
5 pealed.

6 (8) REPEAL OF OBSOLETE REQUIREMENT TO  
7 SUBMIT A FIVE-YEAR NAVAL SHIP NEW CONSTRUC-  
8 TION AND CONVERSION PROGRAM.—Section 808 of  
9 the Department of Defense Appropriation Author-  
10 ization Act, 1976 (Public Law 94–106; 89 Stat.  
11 539; 10 U.S.C. 7291 note) is repealed.

12 **SEC. 1016. DISMANTLEMENT AND DISPOSAL OF NUCLEAR-**  
13 **POWERED AIRCRAFT CARRIERS.**

14 (a) IN GENERAL.—Chapter 633 of title 10, United  
15 States Code, as amended by section 323, is further amend-  
16 ed by adding after section 7320, as added by such section  
17 323, the following new section:

18 **“§ 7321. Nuclear-powered aircraft carriers: dismantlement and disposal**  
19 **ment and disposal**

20 “(a) IN GENERAL.—Not less than 90 days before the  
21 award of a contract for the dismantlement and disposal  
22 of a nuclear-powered aircraft carrier, or the provision of  
23 funds to a naval shipyard for the dismantlement and dis-  
24 posal of a nuclear-powered aircraft carrier, the Secretary

1 of the Navy shall submit to the congressional defense com-  
2 mittees a report setting forth the following:

3 “(1) A cost and schedule baseline for the dis-  
4 mantlement and disposal approved by the service ac-  
5 quisition executive of the Department of the Navy  
6 and the Chief of Naval Operations.

7 “(2) A description of the regulatory framework  
8 applicable to the management of radioactive mate-  
9 rials in connection with the dismantlement and dis-  
10 posal, including, in cases in which the Navy intends  
11 to have another government entity serve as the regu-  
12 latory enforcement authority—

13 “(A) a certification from that entity of its  
14 agreement to serve as the regulatory enforce-  
15 ment authority; and

16 “(B) a description of the legal basis for the  
17 authority of that entity to serve as the regu-  
18 latory enforcement authority.

19 “(b) SUPPLEMENTAL INFORMATION WITH BUDG-  
20 ETS.—In the materials submitted to Congress by the Sec-  
21 retary of Defense in support of the budget of the President  
22 for a fiscal year (as submitted to Congress under section  
23 1105(a) of title 31), the Secretary of the Navy shall in-  
24 clude information on each dismantlement and disposal of  
25 a nuclear-powered aircraft carrier occurring or planned to

1 occur during the period of the future-years defense pro-  
2 gram submitted to Congress with that budget. Such infor-  
3 mation shall include, by ship concerned, the following:

4           “(1) A summary of activities and significant de-  
5 velopments in connection with such dismantlement  
6 and disposal.

7           “(2) If applicable, a detailed description of cost  
8 and schedule performance against the baseline for  
9 such dismantlement and disposal established pursu-  
10 ant to subsection (a), including a description of and  
11 explanation for any variance from such baseline.

12           “(3) A description of the amounts requested, or  
13 intended or estimated to be requested, for such dis-  
14 mantlement and disposal for each of the following:

15           “(A) Each fiscal year covered by the fu-  
16 ture-years defense program.

17           “(B) Any fiscal years before the fiscal  
18 years covered by the future-years defense pro-  
19 gram.

20           “(C) Any fiscal years after the end of the  
21 period of the future-years defense program.

22           “(c) FUTURE-YEARS DEFENSE PROGRAM DE-  
23 FINED.—In this section, the term ‘future-years defense  
24 program’ means the future-years defense program re-  
25 quired by section 221 of this title.”.

1 (b) CLERICAL AMENDMENT.—The table of sections  
2 at the beginning of chapter 633 of such title, as amended  
3 by section 323, is further amended by adding at the end  
4 the following new item:

“7321. Nuclear-powered aircraft carriers: dismantlement and disposal.”.

5 **SEC. 1017. LIMITATION ON USE OF FUNDS FOR RETIRE-**  
6 **MENT OF HOSPITAL SHIPS.**

7 (a) LIMITATION.—Except as provided in subsection  
8 (b), none of the funds authorized to be appropriated by  
9 this Act or otherwise made available for fiscal year 2019  
10 for the Navy may be obligated or expended to retire, pre-  
11 pare to retire, transfer, or place in storage any hospital  
12 ship.

13 (b) WAIVER.—The Secretary of the Navy may waive  
14 the limitation in subsection (a) with respect to a hospital  
15 ship if the Secretary certifies to the congressional defense  
16 committees that the Secretary has—

17 (1) identified a replacement capability, and the  
18 necessary quantity of systems, to meet all hospital  
19 ship requirements of the combatant commands that  
20 are currently being met by such hospital ship;

21 (2) achieved initial operational capability of all  
22 systems described in paragraph (1); and

23 (3) deployed a sufficient quantity of systems de-  
24 scribed in paragraph (1) that have achieved initial  
25 operational capability in order to continue to meet or

1 exceed all requirements of the combatant commands  
2 that are currently being met by such hospital ship.

3 **SEC. 1018. INCLUSION OF AIRCRAFT CARRIER REFUELING**  
4 **OVERHAUL BUDGET REQUEST IN ANNUAL**  
5 **BUDGET JUSTIFICATION MATERIALS.**

6 The Secretary of Defense shall include in the budget  
7 justification materials submitted to Congress by the Sec-  
8 retary in support of the budget of the President for fiscal  
9 year 2020 and each subsequent fiscal year, as part of the  
10 budget request for Shipbuilding and Conversion, Navy, a  
11 detailed aircraft carrier refueling overhaul budget request,  
12 by hull number, including all funding requested for reactor  
13 power units and reactor components.

14 **SEC. 1019. BUSINESS CASE ANALYSIS OF READY RESERVE**  
15 **FORCE RECAPITALIZATION OPTIONS.**

16 (a) BUSINESS CASE ANALYSIS REQUIRED.—Not  
17 later than 120 days after the date of the enactment of  
18 this Act, the Secretary of the Navy shall, in consultation  
19 with the Administrator of the Maritime Administration  
20 and the Commander of United States Transportation  
21 Command, submit to the congressional defense committees  
22 a report setting forth a business case analysis of recapital-  
23 ization options for the Ready Reserve Force.

24 (b) ELEMENTS.—The business case analysis required  
25 by subsection (a) shall include the following:

1           (1) Each sealift capability area, and the associ-  
2           ated capacity, for which Ready Reserve Force vessels  
3           are required to be recapitalized through fiscal year  
4           2048.

5           (2) The categories of vessels being considered in  
6           each area specified pursuant to paragraph (1), in-  
7           cluding the following:

8                   (A) United States purpose-built vessels  
9                   (such as Common Hull Auxiliary Multi-mission  
10                  Platform).

11                  (B) United States non-purpose built ves-  
12                  sels (such as vessels formerly engaged in Jones  
13                  Act trade).

14                  (C) Foreign-built vessels that participated  
15                  in the Maritime Security Program.

16                  (D) Foreign-built vessels that did not par-  
17                  ticipate in the Maritime Security Program.

18                  (E) Foreign-designed, United States-built  
19                  vessels.

20           (3) For each category of vessel specified pursu-  
21           ant to paragraph (2), the following:

22                   (A) Anticipated availability of vessels with-  
23                   in such category in the timeframe needed to  
24                   meet United States Transportation Command  
25                   sealift requirements.

1 (B) Anticipated purchase price, if applica-  
2 ble.

3 (C) Anticipated cost and scope of mod-  
4 ernization.

5 (D) Anticipated duration of modernization  
6 period.

7 (E) Anticipated service life as a Ready Re-  
8 serve Force vessel.

9 (F) Anticipated military utility.

10 (G) Ability of one such vessel to replace  
11 more than one existing Ready Reserve Force  
12 vessel.

13 (4) A cost-benefit determination on the mix of  
14 capabilities and vessels identified pursuant to para-  
15 graphs (1) through (3) that could ensure United  
16 States Transportation Command sealift require-  
17 ments are met through fiscal year 2048, which de-  
18 termination shall include a comparison of the useful  
19 service life of each category of vessels specified pur-  
20 suant to paragraph (2) with the costs of such cat-  
21 egory of vessels.

22 **SEC. 1020. TRANSFER OF EXCESS NAVAL VESSEL TO BAH-**  
23 **RAIN.**

24 (a) **TRANSFER BY GRANT.**—The President is author-  
25 ized to transfer to the Government of Bahrain the OLI-

1 VER HAZARD PERRY class guided missile frigate ex-  
2 USS ROBERT G. BRADLEY (FFG-49) on a grant basis  
3 under section 516 of the Foreign Assistance Act of 1961  
4 (22 U.S.C. 2321j).

5 (b) GRANT NOT COUNTED IN ANNUAL TOTAL OF  
6 TRANSFERRED EXCESS DEFENSE ARTICLES.—The value  
7 of the vessel transferred to the Government of Bahrain  
8 on a grant basis pursuant to authority provided by sub-  
9 section (a) shall not be counted against the aggregate  
10 value of excess defense articles transferred in any fiscal  
11 year under section 516 of the Foreign Assistance Act of  
12 1961 (22 U.S.C. 2321j).

13 (c) COSTS OF TRANSFER.—Any expense incurred by  
14 the United States in connection with the transfer author-  
15 ized by this section shall be charged to the Government  
16 of Bahrain notwithstanding section 516(e) of the Foreign  
17 Assistance Act of 1961 (22 U.S.C. 2321j(e)).

18 (d) REPAIR AND REFURBISHMENT IN UNITED  
19 STATES SHIPYARDS.—To the maximum extent prac-  
20 ticable, the President shall require, as a condition of the  
21 transfer of a vessel under this section, that the Govern-  
22 ment of Bahrain have such repair or refurbishment of the  
23 vessel as is needed, before the vessel joins the naval forces  
24 of that country, performed at a shipyard located in the  
25 United States, including a United States Navy shipyard.

1 (e) EXPIRATION OF AUTHORITY.—The authority to  
2 transfer a vessel under this section shall expire at the end  
3 of the three-year period beginning on the date of the en-  
4 actment of this Act.

## 5 **Subtitle C—Counterterrorism**

### 6 **SEC. 1031. DEFINITION OF SENSITIVE MILITARY OPER-** 7 **ATION.**

8 (a) IN GENERAL.—Subsection (d) of section 130f of  
9 title 10, United States Code, is amended to read as fol-  
10 lows:

11 “(d) SENSITIVE MILITARY OPERATION DEFINED.—

12 (1) Except as provided in paragraph (2), in this section,  
13 the term ‘sensitive military operation’ means—

14 “(A) a lethal operation or capture operation  
15 conducted by the armed forces or conducted by a  
16 foreign partner in coordination with the armed  
17 forces that targets a specific individual or individ-  
18 uals; or

19 “(B) an operation conducted by the armed  
20 forces in self-defense or in defense of foreign part-  
21 ners, including during a cooperative operation.

22 “(2) For purposes of this section, the term ‘sensitive  
23 military operation’ does not include any operation con-  
24 ducted within Afghanistan, Syria, or Iraq.”.

1 (b) COLLECTIVE SELF-DEFENSE NOTIFICATION.—  
2 Such section is further amended by adding at the end the  
3 following new subsection:

4 “(f) COLLECTIVE SELF-DEFENSE NOTIFICATION RE-  
5 QUIREMENT.—Not later than 48 hours after the date on  
6 which a foreign partner force has been designated as eligi-  
7 ble for the provision of collective self-defense by the armed  
8 forces for the purposes of subsection (d)(1)(B), the Sec-  
9 retary of Defense shall provide to the congressional de-  
10 fense committees notice in writing of such designation.”.

11 (c) REPORT.—Not later than 30 days after the date  
12 of the enactment of this Act, the Secretary of Defense  
13 shall submit to the Committees on Armed Services of the  
14 Senate and the House of Representatives a report that  
15 includes—

16 (1) a list of any instance in which a member of  
17 the Armed Forces has engaged or been engaged by  
18 enemy forces, used self-defense, or provided collec-  
19 tive self-defense of foreign partner forces in a coun-  
20 try other than Afghanistan, Iraq, or Syria since De-  
21 cember 26, 2013; and

22 (2) a list of all foreign partner forces outside of  
23 Afghanistan, Iraq, and Syria for which the United  
24 States Armed Forces are authorized to provide col-  
25 lective self-defense.

1 **SEC. 1032. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
2 **TO CLOSE OR RELINQUISH CONTROL OF**  
3 **UNITED STATES NAVAL STATION, GUANTA-**  
4 **NAMO BAY, CUBA.**

5 Section 1036 of the National Defense Authorization  
6 Act for Fiscal Year 2018 (Public Law 115–91) is amended  
7 by inserting “or 2019” after “fiscal year 2018”.

8 **SEC. 1033. PROHIBITION ON USE OF FUNDS FOR TRANSFER**  
9 **OR RELEASE OF INDIVIDUALS DETAINED AT**  
10 **UNITED STATES NAVAL STATION, GUANTA-**  
11 **NAMO BAY, CUBA, TO THE UNITED STATES.**

12 No amounts authorized to be appropriated or other-  
13 wise made available for the Department of Defense may  
14 be used during the period beginning on the date of the  
15 enactment of this Act and ending on December 31, 2019,  
16 to transfer, release, or assist in the transfer of or release  
17 to or within the United States, its territories, or posses-  
18 sions Khalid Sheikh Mohammed or any other detainee  
19 who—

20 (1) is not a United States citizen or a member  
21 of the Armed Forces of the United States; and

22 (2) is or was held on or after January 20,  
23 2009, at United States Naval Station, Guantanamo  
24 Bay, Cuba, by the Department of Defense.

1 **SEC. 1034. PROHIBITION ON USE OF FUNDS TO CONSTRUCT**  
2 **OR MODIFY FACILITIES IN THE UNITED**  
3 **STATES TO HOUSE DETAINEES TRANS-**  
4 **FERRED FROM UNITED STATES NAVAL STA-**  
5 **TION, GUANTANAMO BAY, CUBA.**

6 (a) IN GENERAL.—No amounts authorized to be ap-  
7 propriated or otherwise made available for the Depart-  
8 ment of Defense may be used during the period beginning  
9 on the date of the enactment of this Act and ending on  
10 December 31, 2019, to construct or modify any facility  
11 in the United States, its territories, or possessions to  
12 house any individual detained at Guantanamo for the pur-  
13 poses of detention or imprisonment in the custody or  
14 under the control of the Department of Defense.

15 (b) EXCEPTION.—The prohibition in subsection (a)  
16 shall not apply to any modification of facilities at United  
17 States Naval Station, Guantanamo Bay, Cuba.

18 (c) INDIVIDUAL DETAINED AT GUANTANAMO DE-  
19 FINED.—In this section, the term “individual detained at  
20 Guantanamo” has the meaning given that term in section  
21 1034(f)(2) of the National Defense Authorization Act for  
22 Fiscal Year 2016 (Public Law 114–92; 129 Stat. 971; 10  
23 U.S.C. 801 note).

1 **SEC. 1035. PROHIBITION ON USE OF FUNDS FOR TRANSFER**  
2 **OR RELEASE OF INDIVIDUALS DETAINED AT**  
3 **UNITED STATES NAVAL STATION, GUANTA-**  
4 **NAMO BAY, CUBA, TO CERTAIN COUNTRIES.**

5 No amounts authorized to be appropriated or other-  
6 wise made available for the Department of Defense may  
7 be used during the period beginning on the date of the  
8 enactment of this Act and ending on December 31, 2019,  
9 to transfer, release, or assist in the transfer or release of  
10 any individual detained in the custody or under the control  
11 of the Department of Defense at United States Naval Sta-  
12 tion, Guantanamo Bay, Cuba, to the custody or control  
13 of any country, or any entity within such country, as fol-  
14 lows:

- 15 (1) Libya.  
16 (2) Somalia.  
17 (3) Syria.  
18 (4) Yemen.

19 **Subtitle D—Miscellaneous**  
20 **Authorities and Limitations**

21 **SEC. 1041. STRATEGIC GUIDANCE DOCUMENTS WITHIN THE**  
22 **DEPARTMENT OF DEFENSE.**

23 Section 113(g) of title 10, United States Code, is  
24 amended by striking paragraphs (2) through (4) and in-  
25 serting the following new paragraphs (2) through (4):

1           “(2)(A) In implementing the requirement in para-  
2 graph (1), the Secretary, with the advice of the Chairman  
3 of the Joint Chiefs of Staff, shall each year provide to  
4 the officials and officers referred in paragraph (1)(A) writ-  
5 ten guidance (to be known as ‘Defense Planning Guid-  
6 ance’) establishing goals, priorities, and objectives, includ-  
7 ing fiscal constraints, to direct the preparation and review  
8 of the program and budget recommendations of all ele-  
9 ments of the Department, including—

10           “(i) the priority military missions of the De-  
11 partment, including the assumed force planning sce-  
12 narios and constructs;

13           “(ii) the force size and shape, force posture, de-  
14 fense capabilities, force readiness, infrastructure, or-  
15 ganization, personnel, technological innovation, and  
16 other elements of the defense program necessary to  
17 support the strategy required by paragraph (1);

18           “(iii) the resource levels projected to be avail-  
19 able for the period of time for which such rec-  
20 ommendations and proposals are to be effective; and

21           “(iv) a discussion of any changes in the strat-  
22 egy required by paragraph (1) and assumptions un-  
23 derpinning the strategy, as required by paragraph  
24 (1).

1           “(B) The guidance required by this paragraph shall  
2 be produced in February each year in order to support  
3 the planning and budget process. A comprehensive brief-  
4 ing on the guidance shall be provided to the congressional  
5 defense committees at the same time as the submission  
6 of the budget of the President (as submitted to Congress  
7 pursuant to section 1105(a) of title 31) for the fiscal year  
8 beginning in the year in which such guidance is produced.

9           “(3)(A) In implementing the requirement in para-  
10 graph (1) and in conjunction with the reporting require-  
11 ment in section 2687a of this title, the Secretary, with  
12 the approval of the President and the advice of the Chair-  
13 man of the Joint Chiefs of Staff, shall, on the basis pro-  
14 vided in subparagraph (E), provide to the officials and of-  
15 ficers referred to in paragraph (1)(A) written guidance (to  
16 be known as ‘Contingency Planning Guidance’ or ‘Guid-  
17 ance for Employment of the Force’) on the preparation  
18 and review of contingency and campaign plans, including  
19 plans for providing support to civil authorities in an inci-  
20 dent of national significance or a catastrophic incident, for  
21 homeland defense, and for military support to civil au-  
22 thorities.

23           “(B) The guidance required by this paragraph shall  
24 include the following:

1           “(i) A description of the manner in which lim-  
2           ited existing forces and resources shall be prioritized  
3           and apportioned to achieve the objectives described  
4           in the strategy required by paragraph (1).

5           “(ii) A description of the relative priority of  
6           contingency and campaign plans, specific force lev-  
7           els, and supporting resource levels projected to be  
8           available for the period of time for which such plans  
9           are to be effective.

10          “(C) The guidance required by this paragraph shall  
11          include the following:

12               “(i) Prioritized global, regional, and functional  
13               policy objectives that the armed forces should plan  
14               to achieve, including plans for deliberate and contin-  
15               gency scenarios.

16               “(ii) Policy and strategic assumptions that  
17               should guide military planning, including the role of  
18               foreign partners.

19               “(iii) Guidance on global posture and global  
20               force management.

21               “(iv) Security cooperation priorities.

22               “(v) Specific guidance on United States and  
23               Department nuclear policy.

1           “(D) The guidance required by this paragraph shall  
2 be the primary source document to be used by the Chair-  
3 man of the Joint Chiefs of Staff in—

4           “(i) executing the global military integration re-  
5 sponsibilities described in section 153 of this title;  
6 and

7           “(ii) developing implementation guidance for  
8 the Joint Chiefs of Staff and the commanders of the  
9 combatant commands.

10          “(E) The guidance required by this paragraph shall  
11 be produced every two years, or more frequently as need-  
12 ed.

13          “(4)(A) In implementing the requirement in para-  
14 graph (1), the Secretary, with the advice of the Chairman  
15 of the Joint Chiefs of Staff, shall each year produce, and  
16 submit to the congressional defense committees, a report  
17 (to be known as the ‘Global Defense Posture Report’) that  
18 shall include the following:

19           “(i) A description of major changes to United  
20 States forces, capabilities, and equipment assigned  
21 and allocated outside the United States, focused on  
22 significant alterations, additions, or reductions to  
23 such global defense posture that are required to exe-  
24 cute the strategy and plans of the Department.

1           “(ii) A description of the supporting network of  
2 infrastructure, facilities, pre-positioned stocks, and  
3 war reserve materiel required for execution of major  
4 contingency plans of the Department.

5           “(iii) A list of all enduring locations, including  
6 main operating bases, forward operating sites, and  
7 cooperative security locations.

8           “(iv) A description of the status of treaty, ac-  
9 cess, cost-sharing, and status-protection agreements  
10 with foreign nations.

11           “(v) A summary of the priority posture initia-  
12 tives for each region by the commanders of the com-  
13 batant commands.

14           “(vi) For each military department, a summary  
15 of the implications for overseas posture of any force  
16 structure changes.

17           “(vii) A description of the costs incurred out-  
18 side the United States during the preceding fiscal  
19 year in connection with operating, maintaining, and  
20 supporting United States forces outside the United  
21 States for each military department, broken out by  
22 country, and whether for operation and mainte-  
23 nance, infrastructure, or transportation.

24           “(viii) A description of the amount of direct  
25 support for the stationing of United States forces

1 provided by each host nation during the preceding  
2 fiscal year.

3 “(B) The report required by this paragraph shall be  
4 submitted to the congressional defense committees as re-  
5 quired by subparagraph (A) by not later than April 30  
6 each year.

7 “(C) In this paragraph, the term ‘United States’,  
8 when used in a geographic sense, includes the territories  
9 and possessions of the United States.”.

10 **SEC. 1042. NOTIFICATION ON THE PROVISION OF DEFENSE**  
11 **SENSITIVE SUPPORT.**

12 Section 1055 of the National Defense Authorization  
13 Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C.  
14 113 note) is amended—

15 (1) in subsection (a)—

16 (A) in paragraph (1), by striking “; and”  
17 and inserting a semicolon;

18 (B) in paragraph (2)(B), by striking the  
19 period at the end and inserting “; and”; and

20 (C) by adding at the end the following new  
21 paragraphs:

22 “(3) has been requested by the head of a non-  
23 Department of Defense Federal department or agen-  
24 cy who has certified to the Secretary that the de-  
25 partment or agency has reasonably attempted to use

1 capabilities and resources internal to the department  
2 or agency.”; and

3 (2) in subsection (b), by adding at the end the  
4 following new paragraph:

5 “(4) REVERSE DEFENSE SENSITIVE SUPPORT  
6 REQUEST.—The Secretary shall notify the congres-  
7 sional defense committees (and the congressional in-  
8 telligence committees with respect to matters relat-  
9 ing to members of the intelligence community) of re-  
10 quests made by the Secretary to a non-Department  
11 of Defense Federal department or agency for sup-  
12 port that requires special protection from disclosure  
13 in the same manner and containing the same infor-  
14 mation as the Secretary notifies such committees of  
15 defense sensitive support requests under paragraphs  
16 (1) and (3).”.

17 **SEC. 1043. COORDINATING UNITED STATES RESPONSE TO**  
18 **MALIGN FOREIGN INFLUENCE OPERATIONS**  
19 **AND CAMPAIGNS.**

20 (a) IN GENERAL.—Section 101 of the National Secu-  
21 rity Act of 1947 (50 U.S.C. 3021) is amended—

22 (1) in subsection (b)—

23 (A) in paragraph (2), by striking “and” at  
24 the end;

1 (B) in paragraph (3), by striking the pe-  
2 riod and inserting “; and”; and

3 (C) by adding at the end the following new  
4 paragraph:

5 “(4) coordinate, without assuming operational  
6 authority, the United States Government response to  
7 malign foreign influence operations and cam-  
8 paigns.”; and

9 (2) by adding at the end the following new sub-  
10 sections:

11 “(g) COORDINATOR FOR COMBATING MALIGN FOR-  
12 EIGN INFLUENCE OPERATIONS AND CAMPAIGNS.—

13 “(1) IN GENERAL.—The President shall des-  
14 ignate an employee of the National Security Council  
15 to be responsible for the coordination of the inter-  
16 agency process for combating malign foreign influ-  
17 ence operations and campaigns.

18 “(2) CONGRESSIONAL BRIEFING.—

19 “(A) IN GENERAL.—Not less frequently  
20 than twice each year, the employee designated  
21 under this subsection, or the employee’s des-  
22 ignee, shall provide to the congressional com-  
23 mittees specified in subparagraph (B) a briefing  
24 on the responsibilities and activities of the em-  
25 ployee designated under this subsection.

1           “(B) COMMITTEES SPECIFIED.—The con-  
2           gressional committees specified in this subpara-  
3           graph are the following:

4                   “(i) The Committees on Armed Serv-  
5                   ices, Foreign Affairs, and Oversight and  
6                   Government Reform, and the Permanent  
7                   Select Committee on Intelligence of the  
8                   House of Representatives.

9                   “(ii) The Committees on Armed Serv-  
10                  ices, Foreign Relations, and Homeland Se-  
11                  curity and Governmental Affairs, and the  
12                  Select Committee on Intelligence of the  
13                  Senate.

14           “(h) DEFINITION OF MALIGN FOREIGN INFLUENCE  
15           OPERATIONS AND CAMPAIGNS.—In this section, the term  
16           ‘malign foreign influence operations and campaigns’  
17           means the coordinated, direct or indirect application of na-  
18           tional diplomatic, informational, military, economic, busi-  
19           ness, corruption, educational, and other capabilities by  
20           hostile foreign powers to affect attitudes, behaviors, deci-  
21           sions, or outcomes within the United States.”.

22           (b) STRATEGY.—

23                   (1) IN GENERAL.—Not later than 9 months  
24                   after the date of the enactment of this Act, the  
25                   President, acting through the National Security

1 Council, shall submit to the congressional commit-  
2 tees specified in paragraph (2) a strategy to counter  
3 malign foreign influence operations and campaigns  
4 (as such term is defined in section 101(h) of the Na-  
5 tional Security Act of 1947 (50 U.S.C. 3021), as  
6 added by subsection (a)).

7 (2) COMMITTEES SPECIFIED.—The congress-  
8 sional committees specified in this paragraph are the  
9 following:

10 (A) The Committees on Armed Services,  
11 Foreign Affairs, and Oversight and Government  
12 Reform, and the Permanent Select Committee  
13 on Intelligence of the House of Representatives.

14 (B) The Committees on Armed Services,  
15 Foreign Relations, and Homeland Security and  
16 Governmental Affairs, and the Select Com-  
17 mittee on Intelligence of the Senate.

18 (c) DEADLINE FOR APPOINTMENT.—Not later than  
19 180 days after the date of the enactment of this Act, the  
20 President shall designate the employee of the National Se-  
21 curity Council to be responsible for the coordination of the  
22 interagency process for combating malign foreign influ-  
23 ence operations and campaigns pursuant to subsection  
24 (g)(1) of section 101 of the National Security Act of 1947  
25 (50 U.S.C. 3021), as added by subsection (a)(2).

1 **SEC. 1044. CLARIFICATION OF REIMBURSABLE ALLOWED**  
2 **COSTS OF FAA MEMORANDA OF AGREEMENT.**

3 Section 47504(c)(2) of title 49, United States Code,  
4 is amended—

5 (1) in subparagraph (D) by striking “and” at  
6 the end;

7 (2) in subparagraph (E) by striking the period  
8 at the end and inserting “; and”; and

9 (3) by adding at the end the following:

10 “(F) to an airport operator of a congested air-  
11 port (as defined in section 47175) and a unit of  
12 local government referred to in paragraph (1)(B) to  
13 carry out a project to mitigate noise, if the project—

14 “(i) consists of—

15 “(I) replacement windows, doors, and  
16 the installation of through-the-wall air con-  
17 ditioning units; or

18 “(II) a contribution of the equivalent  
19 costs to be used for reconstruction if re-  
20 construction is the preferred local solution;

21 “(ii) is located at a school near the airport;

22 and

23 “(iii) is included in a memorandum of  
24 agreement entered into before September 30,  
25 2002, even if the airport has not met the re-  
26 quirements of part 150 of title 14, Code of Fed-

1           eral Regulations, and only if the financial limi-  
2           tations of the memorandum are applied.”.

3 **SEC. 1045. WORKFORCE ISSUES FOR MILITARY REALIGN-**  
4 **MENTS IN THE PACIFIC.**

5           (a) IN GENERAL.—Section 6(b) of the Joint Resolu-  
6 tion entitled “A Joint Resolution to approve the ‘Covenant  
7 To Establish a Commonwealth of the Northern Mariana  
8 Islands in Political Union With the United States of  
9 America’, and for other purposes”, approved March 24,  
10 1976 (48 U.S.C. 1806(b)) is amended—

11           (1) in paragraph (1), by amending subpara-  
12 graph (B) to read as follows:

13           “(B) H-2B WORKERS.—In the case of an  
14 alien described in subparagraph (A) who seeks  
15 admission under section 101(a)(15)(H)(ii)(b) of  
16 the Immigration and Nationality Act (8 U.S.C.  
17 1101(a)(15)(H)(ii)(b)), the alien, if otherwise  
18 qualified, may, before December 31, 2023, be  
19 admitted under such section, notwithstanding  
20 the requirement of such section that the service  
21 or labor be temporary, for a period of up to 3  
22 years—

23           “(i) to perform service or labor on  
24 Guam or in the Commonwealth pursuant  
25 to any agreement entered into by a prime

1 contractor or subcontractor calling for  
2 services or labor required for performance  
3 of a contract or subcontract for construc-  
4 tion, repairs, renovations, or facility serv-  
5 ices that is directly connected to, or associ-  
6 ated with, the military realignment occur-  
7 ring on Guam and in the Commonwealth;  
8 or

9 “(ii) to perform service or labor as a  
10 health care worker (such as a nurse, physi-  
11 cian assistant, or allied health professional)  
12 at a facility that jointly serves members of  
13 the Armed Forces, dependents, and civil-  
14 ians on Guam or in the Commonwealth,  
15 subject to the education, training, licens-  
16 ing, and other requirements of section  
17 212(a)(5)(C) of the Immigration and Na-  
18 tionality Act (8 U.S.C. 1182(a)(5)(C)), as  
19 applicable, except that this clause shall not  
20 be construed to include graduates of med-  
21 ical schools coming to Guam or the Com-  
22 monwealth to perform service or labor as  
23 members of the medical profession.”; and

24 (2) by amending paragraph (2) to read as fol-  
25 lows:

1           “(2) LOCATIONS.—Paragraph (1) does not  
2           apply with respect to the performance of services of  
3           labor at a location other than Guam or the Com-  
4           monwealth.”.

5           (b) EFFECTIVE DATE.—The amendments made by  
6           subsection (a) shall take effect on the date of the enact-  
7           ment of this Act.

8   **SEC. 1046. MITIGATION OF OPERATIONAL RISKS POSED TO**  
9                           **CERTAIN MILITARY AIRCRAFT BY AUTO-**  
10                          **MATIC DEPENDENT SURVEILLANCE-BROAD-**  
11                          **CAST EQUIPMENT.**

12          (a) IN GENERAL.—The Secretary of Transportation  
13          may not—

14               (1) directly or indirectly require the installation  
15               of automatic dependent surveillance-broadcast (here-  
16               inafter in this section referred to as “ADS-B”)  
17               equipment on fighter aircraft, bomber aircraft, or  
18               other special mission aircraft owned or operated by  
19               the Department of Defense;

20               (2) deny or reduce air traffic control services in  
21               United States airspace or international airspace del-  
22               egated to the United States to any aircraft described  
23               in paragraph (1) on the basis that such aircraft is  
24               not equipped with ADS-B equipment; or

1           (3) restrict or limit airspace access for aircraft  
2           described in paragraph (1) on the basis such aircraft  
3           are not equipped with ADS-B equipment.

4           (b) TERMINATION.—Subsection (a) shall cease to be  
5           effective on the date that the Secretary of Transportation  
6           and the Secretary of Defense jointly submit to the appro-  
7           priate congressional committees notice that the Secre-  
8           taries have entered into a memorandum of agreement or  
9           other similar agreement providing that fighter aircraft,  
10          bomber aircraft, and other special mission aircraft owned  
11          or operated by the Department of Defense that are not  
12          equipped or not yet equipped with ADS-B equipment will  
13          be reasonably accommodated for safe operations in the  
14          National Airspace System and provided with necessary air  
15          traffic control services.

16          (c) RULE OF CONSTRUCTION.—Nothing in this sec-  
17          tion may be construed to—

18                 (1) vest in the Secretary of Defense any author-  
19                 ity of the Secretary of Transportation or the Admin-  
20                 istrator of the Federal Aviation Administration  
21                 under title 49, United States Code, or any other  
22                 provision of law;

23                 (2) vest in the Secretary of Transportation or  
24                 the Administrator of the Federal Aviation Adminis-  
25                 tration any authority of the Secretary of Defense

1 under title 10, United States Code, or any other  
2 provision of law; or

3 (3) limit the authority or discretion of the Sec-  
4 retary of Transportation or the Administrator of the  
5 Federal Aviation Administration to operate air traf-  
6 fic control services to ensure the safe minimum sepa-  
7 ration of aircraft in flight and the efficient use of  
8 airspace.

9 (d) NOTIFICATION REQUIREMENT.—The Secretary  
10 of Defense shall provide to the Secretary of Transpor-  
11 tation notification of any aircraft the Secretary of Defense  
12 designates as a special mission aircraft pursuant to sub-  
13 section (e)(3).

14 (e) DEFINITIONS.—In this section:

15 (1) The term “appropriate congressional com-  
16 mittees” means the congressional defense commit-  
17 tees, the Committee on Transportation and Infra-  
18 structure of the House of Representatives, and the  
19 Committee on Commerce, Science, and Transpor-  
20 tation of the Senate.

21 (2) The term “air traffic control services”  
22 means services used for the monitoring, directing,  
23 control, and guidance of aircraft or flows of aircraft  
24 and for the safe conduct of flight, including commu-

1        communications, navigation, and surveillance services and  
2        provision of aeronautical information.

3                (3) The term “special mission aircraft” means  
4        an aircraft the Secretary of Defense designates for  
5        a unique mission to which ADS-B equipment creates  
6        a unique risk.

7        **SEC. 1047. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
8                        **UNMANNED SURFACE VEHICLES.**

9                (a) LIMITATION.—Not more than 50 percent of the  
10       funds authorized to be appropriated by this Act or other-  
11       wise made available for fiscal year 2019 for the Depart-  
12       ment of Defense for the Strategic Capabilities Office ghost  
13       fleet overlord unmanned surface vehicle program may be  
14       obligated or expended until the Undersecretary of Defense  
15       for Research and Engineering, in coordination with the  
16       Secretary of the Navy, certifies to the congressional de-  
17       fense committees that—

18                (1) such project accelerates development of the  
19       future unmanned surface vehicle program of the  
20       Navy; and

21                (2) the desired procurement strategy for the  
22       ghost fleet overlord project is properly coordinated  
23       and not duplicative of the unmanned surface vehicle  
24       sea hunter program of the Navy.

1 (b) RULE OF CONSTRUCTION.—The limitation in  
2 subsection (a) shall not be construed to apply to any other  
3 unmanned surface vehicle program of the Department of  
4 Defense other than the program element specified in such  
5 subsection.

6 **SEC. 1048. PILOT PROGRAM FOR DEPARTMENT OF DE-**  
7 **FENSE CONTROLLED UNCLASSIFIED INFOR-**  
8 **MATION IN THE HANDS OF INDUSTRY.**

9 (a) IN GENERAL.—The Secretary of Defense—  
10 (1) shall establish and implement a pilot pro-  
11 gram for oversight of designated Department of De-  
12 fense controlled unclassified information in the  
13 hands of defense contractors with foreign ownership,  
14 control, or influence concerns; and  
15 (2) may designate an entity within the Depart-  
16 ment to be responsible for the pilot program under  
17 paragraph (1).

18 (b) PROGRAM REQUIREMENTS.—The pilot program  
19 under subsection (a) shall have the following elements:

20 (1) The use of a capability to rapidly identify  
21 companies subject to foreign ownership, control, or  
22 influence that are processing designated controlled  
23 unclassified information, including unclassified con-  
24 trolled technical information.

1           (2) The use, in consultation with the Chief Of  
2 Information Officer of the Department, of a capa-  
3 bility or means for assessing industry compliance  
4 with Department cybersecurity standards.

5           (3) A means of demonstrating whether and  
6 under what conditions the risk to national security  
7 posed by access to Department controlled unclassi-  
8 fied information, including unclassified controlled  
9 technical information, by a company under foreign  
10 ownership, control, or influence company can be  
11 mitigated and how such mitigation could be en-  
12 forced.

13       (c) BRIEFING REQUIRED.—By not later than 30 days  
14 after the completion of the pilot program under this sec-  
15 tion, but in no case later than December 1, 2019, the Sec-  
16 retary shall provide to the congressional defense commit-  
17 tees a briefing on the results of the pilot program and  
18 any decisions about whether to implement the pilot pro-  
19 gram on a Department-wide basis.

20 **SEC. 1049. CRITICAL TECHNOLOGIES LIST.**

21       (a) LIST REQUIRED.—The Secretary of Defense shall  
22 establish and maintain a list of acquisition programs, tech-  
23 nologies, manufacturing capabilities, and research areas  
24 that are critical for maintaining the national security tech-  
25 nological advantage of the United States over foreign

1 countries of special concern. The list shall be accompanied  
2 by a justification for inclusion of items on the list, includ-  
3 ing specific performance and technical figures of merit.

4 (b) USE OF LIST.—The Secretary may use the list  
5 required under subsection (a) to—

6 (1) guide the recommendations of the Secretary  
7 in any interagency determinations conducted pursu-  
8 ant to Federal law relating to technology protection,  
9 including relating to export licensing, deemed ex-  
10 ports, technology transfer, and foreign direct invest-  
11 ment;

12 (2) inform the Secretary while engaging in  
13 interagency processes on promotion and protection  
14 activities involving acquisition programs and tech-  
15 nologies that are necessary to achieve and maintain  
16 the national security technology advantage of the  
17 United States and that are supportive of military re-  
18 quirements and strategies;

19 (3) inform the Department's activities to inte-  
20 grate acquisition, intelligence, counterintelligence  
21 and security, and law enforcement to inform require-  
22 ments, acquisition, programmatic, and strategic  
23 courses of action for technology protection;

24 (4) inform development of research investment  
25 strategies and activities and develop innovation cen-



1 (b) AIRBORNE HAZARDS AND OPEN BURN PIT REG-  
2 ISTRY DEFINED.—In this section, the term “Airborne  
3 Hazards and Open Burn Pit Registry” means the registry  
4 established by the Secretary of Veterans Affairs under sec-  
5 tion 201 of the Dignified Burial and Other Veterans’ Ben-  
6 efits Improvement Act of 2012 (Public Law 112–260; 38  
7 U.S.C. 527 note).

8 **SEC. 1051. NATIONAL SECURITY COMMISSION ON ARTIFI-**  
9 **CIAL INTELLIGENCE.**

10 (a) ESTABLISHMENT.—

11 (1) IN GENERAL.—There is established in the  
12 executive branch an independent Commission to re-  
13 view advances in artificial intelligence, related ma-  
14 chine learning developments, and associated tech-  
15 nologies.

16 (2) TREATMENT.—The Commission shall be  
17 considered an independent establishment of the Fed-  
18 eral Government as defined by section 104 of title  
19 5, United States Code, and a temporary organiza-  
20 tion under section 3161 of such title.

21 (3) DESIGNATION.—The Commission estab-  
22 lished under paragraph (1) shall be known as the  
23 “National Security Commission on Artificial Intel-  
24 ligence”.

25 (4) MEMBERSHIP.—

1 (A) COMPOSITION.—The Commission shall  
2 be composed of 15 members appointed as fol-  
3 lows:

4 (i) The Secretary of Defense shall ap-  
5 point 2 members.

6 (ii) The Secretary of Commerce shall  
7 appoint 1 member.

8 (iii) The Chairman of the Committee  
9 on Commerce, Science, and Transportation  
10 of the Senate shall appoint 1 member.

11 (iv) The Ranking Member of the  
12 Committee on Commerce, Science, and  
13 Transportation of the Senate shall appoint  
14 1 member.

15 (v) The Chairman of the Committee  
16 on Energy and Commerce of the House of  
17 Representatives shall appoint 1 member.

18 (vi) The Ranking Member of the  
19 Committee on Energy and Commerce of  
20 the House of Representatives shall appoint  
21 1 member.

22 (vii) The Chairman of the Committee  
23 on Armed Services of the Senate shall ap-  
24 point 1 member.

1 (viii) The Ranking Member of the  
2 Committee on Armed Services of the Sen-  
3 ate shall appoint 1 member.

4 (ix) The Chairman of the Committee  
5 on Armed Services of the House of Rep-  
6 resentatives shall appoint 1 member.

7 (x) The Ranking Member of the Com-  
8 mittee on Armed Services of the House of  
9 Representatives shall appoint 1 member.

10 (xi) The Chairman of the Select Com-  
11 mittee on Intelligence of the Senate shall  
12 appoint 1 member.

13 (xii) The Vice Chairman of the Select  
14 Committee on Intelligence of the Senate  
15 shall appoint 1 member.

16 (xiii) The Chairman of the Permanent  
17 Select Committee on Intelligence of the  
18 House of Representatives shall appoint 1  
19 member.

20 (xiv) The Ranking Member of the  
21 Permanent Select Committee Intelligence  
22 of the House of Representatives shall ap-  
23 point 1 member.

24 (B) DEADLINE FOR APPOINTMENT.—Mem-  
25 bers shall be appointed to the Commission

1 under paragraph (1) not later than 90 days  
2 after the Commission establishment date.

3 (C) EFFECT OF LACK OF APPOINTMENT  
4 BY APPOINTMENT DATE.—If one or more ap-  
5 pointments under paragraph (1) is not made by  
6 the appointment date specified in paragraph  
7 (2), the authority to make such appointment or  
8 appointments shall expire, and the number of  
9 members of the Commission shall be reduced by  
10 the number equal to the number of appoint-  
11 ments so not made.

12 (5) CHAIR AND VICE CHAIR.—The Commission  
13 shall elect a Chair and Vice Chair from among its  
14 members.

15 (6) TERMS.—Members shall be appointed for  
16 the life of the Commission. A vacancy in the Com-  
17 mission shall not affect its powers, and shall be filled  
18 in the same manner as the original appointment was  
19 made.

20 (7) STATUS AS FEDERAL EMPLOYEES.—Not-  
21 withstanding the requirements of section 2105 of  
22 title 5, United States Code, including the required  
23 supervision under subsection (a)(3) of such section,  
24 the members of the Commission shall be deemed to  
25 be Federal employees.

1 (b) DUTIES.—

2 (1) IN GENERAL.—The Commission shall carry  
3 out the review described in paragraph (2). In car-  
4 rying out such review, the Commission shall consider  
5 the methods and means necessary to advance the de-  
6 velopment of artificial intelligence, machine learning,  
7 and associated technologies by the United States to  
8 comprehensively address the national security and  
9 defense needs of the United States.

10 (2) SCOPE OF THE REVIEW.—In conducting the  
11 review paragraph (1), the Commission shall consider  
12 the following:

13 (A) The competitiveness of the United  
14 States in artificial intelligence, machine learn-  
15 ing, and other associated technologies, including  
16 matters related to national security, defense,  
17 public-private partnerships, and investments.

18 (B) Means and methods for the United  
19 States to maintain a technological advantage in  
20 artificial intelligence, machine learning, and  
21 other associated technologies related to national  
22 security and defense.

23 (C) Developments and trends in inter-  
24 national cooperation and competitiveness, in-  
25 cluding foreign investments in artificial intel-

1           ligence, related machine learning, and computer  
2           science fields that are materially related to na-  
3           tional security and defense.

4           (D) Means by which to foster greater em-  
5           phasis and investments in basic and advanced  
6           research to stimulate private, public, academic  
7           and combined initiatives in artificial intel-  
8           ligence, machine learning, and other associated  
9           technologies, to the extent that such efforts  
10          have application materially related to national  
11          security and defense.

12          (E) Workforce and education incentives to  
13          attract and recruit leading talent in artificial  
14          intelligence and machine learning disciplines,  
15          including science, technology, engineering, and  
16          math programs.

17          (F) Risks associated with United States  
18          and foreign country advances in military em-  
19          ployment of artificial intelligence and machine  
20          learning, including international law of armed  
21          conflict, international humanitarian law, and es-  
22          calation dynamics.

23          (G) Associated ethical considerations re-  
24          lated to artificial intelligence and machine

1 learning as it will be used for future applica-  
2 tions related to national security and defense.

3 (H) Means to establish data standards,  
4 and incentivize the sharing of open training  
5 data within related national security and de-  
6 fense data-driven industries.

7 (I) Consideration of the evolution of artifi-  
8 cial intelligence and appropriate mechanism for  
9 managing such technology related to national  
10 security and defense.

11 (J) Any other matters the Commission  
12 deems relevant to the common defense of the  
13 Nation.

14 (c) REPORTS.—

15 (1) INITIAL REPORT.—Not later than 180 days  
16 after the date of the enactment of this Act, the  
17 Commission shall submit to the President and Con-  
18 gress an initial report on the findings of the Com-  
19 mission and such recommendations that the Com-  
20 mission may have for action by the executive branch  
21 and Congress related to artificial intelligence, ma-  
22 chine learning, and associated technologies, includ-  
23 ing recommendations to more effectively organize  
24 the Federal Government.

1           (2) ANNUAL COMPREHENSIVE REPORTS.—Not  
2 later than one year after the date of this enactment  
3 of this Act, and every year thereafter annually, until  
4 the date specified in subsection (e), the Commission  
5 shall submit a comprehensive report on the review  
6 required under subsection (b).

7           (3) FORM OF REPORTS.—Reports submitted  
8 under this subsection shall be made publically avail-  
9 able, but may include a classified annex.

10          (d) FUNDING.—Of the amounts authorized to be ap-  
11 propriated by this Act for fiscal year 2019 for the Depart-  
12 ment of Defense, not more than \$10,000,000 shall be  
13 made available to the Commission to carry out its duties  
14 under this subtitle. Funds made available to the Commis-  
15 sion under the preceding sentence shall remain available  
16 until expended.

17          (e) TERMINATION.—The Commission shall terminate  
18 on October 1, 2020.

19          (f) DEFINITION OF ARTIFICIAL INTELLIGENCE.—In  
20 this section, the term “artificial intelligence” includes each  
21 of the following:

22           (1) Any artificial system that performs tasks  
23 under varying and unpredictable circumstances with-  
24 out significant human oversight, or that can learn

1 from experience and improve performance when ex-  
2 posed to data sets.

3 (2) An artificial system developed in computer  
4 software, physical hardware, or other context that  
5 solves tasks requiring human-like perception, cog-  
6 nition, planning, learning, communication, or phys-  
7 ical action.

8 (3) An artificial system designed to think or act  
9 like a human, including cognitive architectures and  
10 neural networks.

11 (4) A set of techniques, including machine  
12 learning that is designed to approximate a cognitive  
13 task.

14 (5) An artificial system designed to act ration-  
15 ally, including an intelligent software agent or em-  
16 bodied robot that achieves goals using perception,  
17 planning, reasoning, learning, communicating, deci-  
18 sion-making, and acting.

19 **SEC. 1052. AUTHORITY TO TRANSFER FUNDS FOR BIEN HOA**  
20 **DIOXIN CLEANUP.**

21 (a) **TRANSFER AUTHORITY.**—Notwithstanding sec-  
22 tion 2215 of title 10, United States Code, the Secretary  
23 of Defense may transfer to the Secretary of State, for use  
24 by the United States Agency for International Develop-

1 ment, amounts to be used for the Bien Hoa dioxin cleanup  
2 in Vietnam.

3 (b) LIMITATION ON AMOUNTS.—Not more than  
4 \$15,000,000 may be transferred in fiscal year 2019 under  
5 the authority in subsection (a).

6 (c) SOURCE OF FUNDS.—The Secretary of Defense  
7 may transfer funds appropriated to the Department of De-  
8 fense for “Operation and Maintenance, Defense-wide”  
9 under the authority in subsection (a).

10 (d) ADDITIONAL TRANSFER AUTHORITY.—The  
11 transfer authority provided under subsection (a) is in ad-  
12 dition to any other transfer authority available to the De-  
13 partment of Defense.

14 **SEC. 1053. GUIDANCE ON THE ELECTRONIC WARFARE MIS-**  
15 **SION AREA AND JOINT ELECTROMAGNETIC**  
16 **SPECTRUM OPERATIONS.**

17 (a) PROCESSES AND PROCEDURES FOR INTEGRA-  
18 TION.—The Secretary of Defense shall—

19 (1) establish processes and procedures to de-  
20 velop, integrate, and enhance the electronic warfare  
21 mission area and the conduct of joint electro-  
22 magnetic spectrum operations in all domains across  
23 the Department of Defense; and

24 (2) ensure that such processes and procedures  
25 provide for integrated defense-wide strategy, plan-

1       ning, and budgeting with respect to the conduct of  
2       such operations by the Department, including activi-  
3       ties conducted to counter and deter such operations  
4       by malign actors.

5       (b) DESIGNATED SENIOR OFFICIAL.—

6           (1) IN GENERAL.—The Secretary shall des-  
7       ignate a senior official of the Department of Defense  
8       (hereinafter referred to as the “designated senior of-  
9       ficial”), who shall implement and oversee the proc-  
10      esses and procedures established under subsection  
11      (a). The designated senior official shall be des-  
12      ignated by the Secretary from among individuals  
13      serving in the Department as civilian employees or  
14      members of the Armed Forces who are, equivalent in  
15      grade or rank, at or below the level of Under Sec-  
16      retary of Defense. The designated senior official  
17      shall oversee the cross-functional team established  
18      pursuant to subsection (c) and serve as an ex-officio  
19      member of the Electronic Warfare Executive Com-  
20      mittee established in March 2015.

21           (2) RESPONSIBILITIES.—The designated senior  
22      official shall have, with respect to the implementa-  
23      tion and oversight of the processes and procedures  
24      established under subsection (a), the following re-  
25      sponsibilities:

1 (A) Overseeing the implementation of the  
2 strategy developed by the Electronic Warfare  
3 Executive Committee for the conduct and exe-  
4 cution of the electronic warfare mission area  
5 and joint electromagnetic spectrum operations  
6 by the Department, coordinated across all rel-  
7 evant elements of the Department, including  
8 both near-term and long-term guidance for the  
9 conduct of such operations.

10 (B) Providing recommendations to the  
11 Electronic Warfare Executive Committee on re-  
12 source allocation to support the capability devel-  
13 opment and investment in the electronic war-  
14 fare and joint electromagnetic spectrum oper-  
15 ation mission areas.

16 (C) Proposing electronic warfare govern-  
17 ance, management, organizational, and oper-  
18 ational reforms to Secretary of Defense, after  
19 review and comment by the Electronic Warfare  
20 Executive Committee.

21 (3) ANNUAL CERTIFICATION ON BUDGETING  
22 FOR CERTAIN CAPABILITIES.—Each budget for fiscal  
23 years 2020 through 2024 submitted by the Presi-  
24 dent to Congress pursuant to section 1105(a) of title  
25 31, United States Code, shall include the same in-

1 formation that was required to be submitted annu-  
2 ally under section 1053(b) of the National Defense  
3 Authorization Act for Fiscal Year 2010 (Public Law  
4 111-84; 123 Stat. 2459) for each of fiscal years  
5 2011 through 2015 and an assessment by the senior  
6 designated official as to whether sufficient funds are  
7 requested in such budget for anticipated activities in  
8 such fiscal year for each of the following:

9 (A) The development of an electromagnetic  
10 battle management capability for joint electro-  
11 magnetic spectrum operations.

12 (B) The establishment and operation of as-  
13 sociated joint electromagnetic spectrum oper-  
14 ations cells.

15 (c) CROSS-FUNCTIONAL TEAM FOR ELECTRONIC  
16 WARFARE.—

17 (1) ESTABLISHMENT REQUIRED.—The Sec-  
18 retary shall, in accordance with section 911(c) of the  
19 National Defense Authorization Act for Fiscal Year  
20 2017 (Public Law 114-328; 130 Stat. 2345; 10  
21 U.S.C. 111 note), establish a cross-functional team  
22 for electronic warfare in order to identify gaps in  
23 electronic warfare and joint electromagnetic spec-  
24 trum operations, capabilities, and capacities within

1 the Department across personnel, procedural, and  
2 equipment areas.

3 (2) SPECIFIC DUTIES.—The cross-functional  
4 team established pursuant to paragraph (1) shall  
5 provide recommendations to the senior designated  
6 official to address gaps identified as described in  
7 that paragraph.

8 (d) PLANS AND REQUIREMENTS FOR ELECTRONIC  
9 WARFARE.—

10 (1) IN GENERAL.—The Secretary shall require  
11 the designated senior official to task the cross-func-  
12 tional team established pursuant to subsection (c) to  
13 develop requirements and specific plans for address-  
14 ing personnel, capability, and capacity gaps in the  
15 electronic warfare mission area, and plans for future  
16 warfare in that domain (including maintaining a  
17 roadmap for the current future-years defense pro-  
18 gram under section 221 of title 10, United States  
19 Code).

20 (2) UPDATE OF STRATEGY.—Not later than  
21 180 days after the date of the enactment of this Act,  
22 and biennially thereafter, the Electronic Warfare  
23 Executive Committee, in coordination with the cross-  
24 functional team shall—

1 (A) update the strategy of the Department  
2 of Defense entitled “The DOD Electronic War-  
3 fare Strategy” and dated June 2017, to include  
4 the roadmap developed by the cross-functional  
5 team pursuant to in paragraph (1); and

6 (B) submit the updated strategy to the  
7 congressional defense committees.

8 (3) ELEMENTS.—The requirements and plans  
9 and associated roadmap developed by the cross-func-  
10 tional team pursuant to paragraph (1) shall include  
11 the following:

12 (A) An accounting of the efforts under-  
13 taken in support of the strategy referred to in  
14 paragraph (2)(A) and to implement applicable  
15 elements of Department of Defense Directive  
16 3222.04, dated May 10, 2017, or any subse-  
17 quent updates to such directive.

18 (B) A description of any updates or  
19 changes to the strategy since its issuance, and  
20 a description of any anticipated updates or  
21 changes to the strategy as a result of the des-  
22 ignation of the designated senior official.

23 (C) An assessment of vulnerabilities identi-  
24 fied in the May 2015 Electronic Warfare as-  
25 sessment by the Defense Science Board.

1 (D) An assessment of the capability of  
2 joint forces to conduct joint electromagnetic  
3 spectrum operations against near-peer adver-  
4 saries and any capability or capacity gaps in  
5 such capability that need to be addressed, in-  
6 cluding an assessment of the ability of joint  
7 forces to conduct coordinated military oper-  
8 ations to exploit, attack, protect, and manage  
9 the electromagnetic environment in the signals  
10 intelligence, electronic warfare, and spectrum  
11 management mission areas, including the capa-  
12 bility to conduct integrated cyber and electronic  
13 warfare on the battlefield, for all level 3 and  
14 level 4 contingency plans (as such plans are de-  
15 scribed in Joint Publication 5-0 of the Joint  
16 Chiefs of Staff, entitled “Joint Planning” and  
17 dated June 16, 2017).

18 (E) A review of the roles and functions of  
19 offices within the Joint Staff, the Office of the  
20 Secretary of Defense, and the combatant com-  
21 mands with primary responsibility for joint elec-  
22 tromagnetic spectrum policy and operations.

23 (F) A description of any assumptions  
24 about the roles and contributions of the Depart-  
25 ment, in coordination with other departments

1 and agencies of the United States Government,  
2 with respect to the strategy.

3 (G) A description of actions, performance  
4 metrics, and projected timelines for achieving  
5 key capabilities for electronic warfare and joint  
6 electromagnetic spectrum operations to cor-  
7 respond to the thematic goals identified in the  
8 strategy and as addressed by the roadmap.

9 (H) An analysis of any personnel,  
10 resourcing, capability, authority, or other gaps  
11 to be addressed in order to ensure effective im-  
12 plementation of the strategy across all relevant  
13 elements of the Department, including an up-  
14 date on each of the following:

15 (i) The development of an electro-  
16 magnetic battle management capability for  
17 joint electromagnetic spectrum operations.

18 (ii) The establishment and operation  
19 of joint electromagnetic spectrum oper-  
20 ations cells at combatant command loca-  
21 tions.

22 (iii) The integration and synchroni-  
23 zation of cyber and electromagnetic activi-  
24 ties.

1 (I) An investment framework and pro-  
2 jected timeline for addressing any gaps de-  
3 scribed by subparagraph (H).

4 (J) In consultation with the Director of the  
5 Defense Intelligence Agency—

6 (i) comprehensive assessments of the  
7 electronic warfare capabilities of the Rus-  
8 sian Federation and the People's Republic  
9 of China, which shall include—

10 (I) electronic warfare doctrine;

11 (II) order of battle on land, sea,  
12 air, space, and cyberspace; and

13 (III) expected direction of tech-  
14 nology and research over the next 10  
15 years; and

16 (ii) a review of vulnerabilities with re-  
17 spect to electronic systems, such as the  
18 Global Positioning System, and Depart-  
19 ment-wide abilities to conduct counter-  
20 measures in response to electronic warfare  
21 attacks.

22 (K) A review of the sufficiency of experi-  
23 mentation, testing, and training infrastructure,  
24 ranges, instrumentation, and threat simulators

1 required to support the development of electro-  
2 magnetic spectrum capabilities.

3 (L) A plan, and the estimated cost and  
4 schedule of implementing the plan, to conduct  
5 joint campaign modeling and wargaming for  
6 joint electromagnetic spectrum operations.

7 (M) Any other matters as the Secretary  
8 considers appropriate.

9 (4) PERIODIC STATUS REPORTS.—Not later  
10 than 90 days after the requirements and plans re-  
11 quired by paragraph (1) are submitted in accordance  
12 with paragraph (2), and every 180 days thereafter  
13 during the three-year period beginning on the date  
14 such plans and requirements are first submitted in  
15 accordance with paragraph (2), the designated sen-  
16 ior official shall submit to the congressional defense  
17 committees a report describing the status of the ef-  
18 forts of the Department in accomplishing the tasks  
19 specified in subparagraphs (A) through (I) and (K)  
20 through (M) of paragraph (3).

21 (5) COMPREHENSIVE ASSESSMENTS AND RE-  
22 VIEW.—Not later than 270 days after the date of  
23 the enactment of this Act, the Secretary of Defense  
24 shall submit to the congressional defense committees

1 the comprehensive assessments and review required  
2 under paragraph (3)(J).

3 (e) TRAINING AND EDUCATION.—Consistent with the  
4 elements under subsection (d)(3) of the plans and require-  
5 ments required by subsection (d)(1), the cross-functional  
6 team established pursuant to subsection (c) shall provide  
7 the senior designated official recommendations for pro-  
8 grams to provide training and education to such members  
9 of the Armed Forces and civilian employees of the Depart-  
10 ment as the Secretary considers appropriate in order to  
11 ensure that such members and employees understand the  
12 roles and vulnerabilities associated with electronic warfare  
13 and dependence on the electromagnetic spectrum.

## 14 **Subtitle E—Studies and Reports**

### 15 **SEC. 1061. ANNUAL REPORTS BY THE ARMED FORCES ON** 16 **OUT-YEAR UNCONSTRAINED TOTAL MUNI-** 17 **TIONS REQUIREMENTS AND OUT-YEAR IN-** 18 **VENTORY NUMBERS.**

19 (a) REPORTS REQUIRED.—Chapter 9 of title 10,  
20 United States Code, is amended by inserting after section  
21 222b, as added by section 1677, the following new section:

1 **“§ 222c. Armed forces: Out-Year Unconstrained Total**  
2 **Munitions Requirements; Out-Year inven-**  
3 **tory numbers**

4 “(a) ANNUAL REPORTS.—At the same time each year  
5 that the budget for the fiscal year beginning in such year  
6 is submitted to Congress pursuant to section 1105(a) of  
7 title 31, the chief of staff of each armed force (other than  
8 the Coast Guard) shall submit to the congressional defense  
9 committees a report setting forth for such armed force  
10 each of the following for such fiscal year, broken out as  
11 specified in subsection (b):

12 “(1) The Out-Year Unconstrained Total Muni-  
13 tions Requirement.

14 “(2) The Out-Year inventory numbers.

15 “(b) PRESENTATION.—The Out-Year Unconstrained  
16 Total Munitions Requirement and Out-Year inventory  
17 numbers for an armed force for a fiscal year pursuant to  
18 subsection (a) shall include specific inventory objective re-  
19 quirements for each variant of munitions with respect to  
20 each of the following:

21 “(1) Combat Requirement, broken out by oper-  
22 ation plan (OPLAN).

23 “(2) Current Operation/Forward Presence Re-  
24 quirement.

25 “(3) Strategic Readiness Requirement.

26 “(4) Homeland Defense.

1           “(5) Training and Testing Requirement.

2           “(6) Total Out-Year Unconstrained Total Mu-  
3           nitions Requirement, calculated in accordance with  
4           the implementation guidance described in subsection  
5           (c).

6           “(7) Out-year worldwide inventory.

7           “(c) IMPLEMENTATION GUIDANCE USED.—In sub-  
8           mitting information pursuant to subsection (a) for a fiscal  
9           year, the chief of staff of each armed force shall describe  
10          and explain the munitions requirements process implemen-  
11          tation guidance developed by the Under Secretary of De-  
12          fense for Acquisition and Sustainment and used by such  
13          armed force for the munitions requirements process for  
14          such armed force for that fiscal year.

15          “(d) DEFINITIONS.—In this section:

16               “(1) The term ‘chief of staff’, with respect to  
17               the Marine Corps, means the Commandant of the  
18               Marine Corps.

19               “(2) The term ‘Out-Year Unconstrained Total  
20               Munitions Requirement’ has the meaning given that  
21               term in and for purposes of Department of Defense  
22               Instruction 3000.04, or any successor instruction.”.

23          (b) CLERICAL AMENDMENT.—The table of sections  
24          at the beginning of chapter 9 of such title is amended by

1 inserting after the item relating to section 222b, as added  
2 by section 1677, the following new item:

“222c. Armed forces: Out-Year Unconstrained Total Munitions Requirements;  
Out-Year inventory numbers.”.

3 **SEC. 1062. IMPROVEMENT OF ANNUAL REPORT ON CIVIL-**  
4 **IAN CASUALTIES IN CONNECTION WITH**  
5 **UNITED STATES MILITARY OPERATIONS.**

6 (a) MODIFICATION AND EXPANSION OF ELE-  
7 MENTS.—Subsection (b) of section 1057 of the National  
8 Defense Authorization Act for Fiscal Year 2018 (Public  
9 Law 115–91) is amended—

10 (1) in paragraph (1), by inserting “, including  
11 each specific mission, strike, engagement, raid, or  
12 incident,” after “military operations”;

13 (2) in paragraph (2)(E), by inserting before the  
14 period at the end the following: “, including a dif-  
15 ferentiation between those killed and those injured”;

16 (3) in paragraph (3), by inserting before the pe-  
17 riod at the end the following: “, and, when appro-  
18 priate, makes ex gratia payments to the victims or  
19 their families”;

20 (4) by redesignating paragraph (5) as para-  
21 graph (6); and

22 (5) by inserting after paragraph (4) the fol-  
23 lowing new paragraph (5):

1           “(5) Any update or modification to any report  
2           under this section during a previous year.”.

3           (b) SCOPE OF UNCLASSIFIED FORM OF REPORT.—  
4           Subsection (d) of such section is amended by adding at  
5           the end the following new sentence: “The unclassified form  
6           of each report shall, at a minimum, be responsive to each  
7           element under subsection (b) of a report under subsection  
8           (a), and shall be made available to the public at the same  
9           time it is submitted to Congress (unless the Secretary cer-  
10          tifies in writing that the publication of such information  
11          poses a threat to the national security interests of the  
12          United States).”.

13       **SEC. 1063. REPORT ON CAPABILITIES AND CAPACITIES OF**  
14                               **ARMORED BRIGADE COMBAT TEAMS.**

15          (a) IN GENERAL.—Not later than 60 days after the  
16          date of the enactment of this Act, the Secretary of the  
17          Army shall submit to the congressional defense commit-  
18          tees a report on the capabilities and capacities of Armored  
19          Brigade Combat Teams.

20          (b) ELEMENTS.—The report required under sub-  
21          section (a) shall include the following:

22               (1) A description of the total number of Ar-  
23               mored Brigade Combat Teams required to support  
24               the National Defense Strategy.

1           (2) A description of the manner in which the  
2 Army plans to equip and field future Armored Bri-  
3 gade Combat Teams.

4           (3) A description of the total number of mecha-  
5 nized infantry companies required in support of the  
6 Armored Brigade Combat Teams.

7           (4) A description of steps being taken to im-  
8 prove the number and quality of live-fire gunnery ex-  
9 ercises executed each year, including improving exe-  
10 cution of battalion and brigade-level combined arms  
11 live-fire exercises both at home station and at the  
12 Combat Training Centers.

13           (5) A description of training being conducted to  
14 train Armored Brigade Combat Teams in combined  
15 arms for air defense and to counter unmanned aerial  
16 vehicles with organic weapons and tactics.

17           (6) A plan to improve personnel preparedness  
18 by the reduction of non-deployable soldiers and im-  
19 provements in combat vehicle crew stability and ma-  
20 terial readiness of key combat systems.

21           (7) A description of deficiencies in repair parts  
22 and number of qualified mechanics, and a plan to  
23 correct such deficiencies.

24           (8) A plan for the modernization of the Ar-  
25 mored Brigade Combat Teams.

1 **SEC. 1064. ACTIVITIES AND REPORTING RELATING TO DE-**  
2 **PARTMENT OF DEFENSE'S CLOUD INITIA-**  
3 **TIVE.**

4 (a) **ACTIVITIES REQUIRED.**—Commencing not later  
5 than 90 days after the date of the enactment of this Act,  
6 the Chief Information Officer of the Department of De-  
7 fense, acting through the Cloud Executive Steering Group  
8 established by the Deputy Secretary of Defense in a direc-  
9 tive memorandum dated September 13, 2017, in order to  
10 support its Joint Enterprise Defense Infrastructure initia-  
11 tive to procure commercial cloud services, shall conduct  
12 certain key enabling activities as follows:

13 (1) Develop an approach to rapidly acquire ad-  
14 vanced commercial network capabilities, including  
15 software-defined networking, on-demand bandwidth,  
16 and aggregated cloud access gateways, through com-  
17 mercial service providers in order—

18 (A) to support the migration of applica-  
19 tions and systems to commercial cloud plat-  
20 forms;

21 (B) to increase visibility of end-to-end per-  
22 formance to enable and enforce service level  
23 agreements for cloud services;

24 (C) to ensure efficient and common cloud  
25 access;

1 (D) to facilitate shifting data and applica-  
2 tions from one cloud platform to another;

3 (E) to improve cybersecurity; and

4 (F) to consolidate networks and achieve ef-  
5 ficiencies and improved performance;

6 (2) Conduct an analysis of existing workloads  
7 that would be migrated to the Joint Enterprise De-  
8 fense Infrastructure, including—

9 (A) identifying all of the cloud initiatives  
10 across the Department of Defense, and deter-  
11 mining the objectives of such initiatives in con-  
12 nection with the intended scope of the Infra-  
13 structure;

14 (B) identifying all the systems and applica-  
15 tions that the Department would intend to mi-  
16 grate to the Infrastructure;

17 (C) conducting rationalization of applica-  
18 tions to identify applications and systems that  
19 may duplicate the processing of workloads in  
20 connection with the Infrastructure; and

21 (D) as result of such actions, arriving at  
22 dispositions about migration or termination of  
23 systems and applications in connection with the  
24 Infrastructure.

1 (b) REPORT REQUIRED.—The Chief Information Of-  
2 ficer shall submit to the congressional defense committees  
3 a report on the Department of Defense’s Cloud Initiative  
4 to manage networks, data centers, and clouds at the enter-  
5 prise level. Such report shall include each of the following:

6 (1) A description the status of completion of  
7 the activities required under subsection (a).

8 (2) Information relating to the current composi-  
9 tion of the Cloud Executive Steering Group and the  
10 stakeholders relating to the Department of Defense’s  
11 Cloud Initiative and associated mission, objectives,  
12 goals, and strategy.

13 (3) A description of the characteristics and con-  
14 siderations for accelerating the cloud architecture  
15 and services required for a global, resilient, and se-  
16 cure information environment.

17 (4) Information relating to acquisition strate-  
18 gies and timeline for efforts associated with the De-  
19 partment of Defense’s Cloud Initiative, including the  
20 Joint Enterprise Defense Infrastructure.

21 (5) A description of how the acquisition strate-  
22 gies referred to in paragraph (4) provides for a full  
23 and open competition, enable the Department of De-  
24 fense to continuously leverage and acquire new cloud  
25 computing capabilities, maintain the ability of the

1 Department to leverage other cloud computing ven-  
2 dor products and services, incorporate elements to  
3 maintain security, and provide for the best perform-  
4 ance, cost, and schedule to meet the cloud architec-  
5 ture and services requirements of the Department  
6 for the duration of such contract.

7 (6) A detailed description of existing workloads  
8 that will be migrated to enterprise-wide cloud infra-  
9 structure or platforms as a result of the Department  
10 of Defense's Cloud Initiative, including estimated  
11 migration costs and timelines, based on the analysis  
12 required under subsection (a)(2).

13 (7) A description of the program management  
14 and program office of the Department of Defense's  
15 Cloud Initiative, including the number of personnel,  
16 overhead costs, and organizational structure.

17 (8) A description of the effect of the Joint En-  
18 terprise Defense Infrastructure on and the relation-  
19 ship of such Infrastructure to existing cloud com-  
20 puting infrastructure, platform, and service con-  
21 tracts across the Department of Defense, specifically  
22 the effect and relationship to the private cloud infra-  
23 structure of the Department, MilCloud 2.0 run by  
24 the Defense Information Systems Agency based on  
25 the analysis required under subsection (a)(2).

1           (9) Information relating to the most recent De-  
2           partment of Defense Cloud Computing Strategy and  
3           description of any initiatives to update such Strat-  
4           egy.

5           (10) Information relating to Department of De-  
6           fense guidance pertaining to cloud computing capa-  
7           bility or platform acquisition and standards, and a  
8           description of any initiatives to update such guid-  
9           ance.

10          (11) Any other matters the Secretary of De-  
11          fense determines relevant.

12          (c) LIMITATION ON USE OF FUNDS.—Of the  
13          amounts authorized to be appropriated or otherwise made  
14          available by this Act for fiscal year 2019 for the Depart-  
15          ment of Defense’s Cloud Initiative, not more than 85 per-  
16          cent may be obligated or expended until the Secretary of  
17          Defense submits to the congressional defense committees  
18          the report required by subsection (b).

19          (d) LIMITATION ON NEW SYSTEMS AND APPLICA-  
20          TIONS.—

21               (1) IN GENERAL.—Except as provided in para-  
22               graph (2), the Deputy Secretary shall require that  
23               no new system or application will be approved for  
24               development or modernization without an assess-

1       ment that such system or application is already, or  
2       can and would be, cloud-hosted.

3           (2) WAIVER.—The Deputy Secretary may issue  
4       a national waiver to the requirement under para-  
5       graph (1) if the Deputy Secretary determines, pur-  
6       suant to the assessment described in such para-  
7       graph, that the requirement would adversely affect  
8       the national security of the United States. If the  
9       Deputy Secretary issues a waiver under this para-  
10      graph, the Deputy Secretary shall provide to the  
11      congressional defense committees a written notifica-  
12      tion of such waiver, justification for the waiver, and  
13      identification of the system or application to which  
14      the waiver applies by not later than 15 days after  
15      the date on which the waiver is issued.

16      (e) TRANSPARENCY AND COMPETITION.—The Dep-  
17      uty Secretary shall ensure that the acquisition approach  
18      of the Department continues to follow the Federal Acquisi-  
19      tion Regulation with respect to competition.

20      **SEC. 1065. LIMITATION ON USE OF FUNDS FOR UNITED**  
21                                   **STATES SPECIAL OPERATIONS COMMAND**  
22                                   **GLOBAL MESSAGING AND COUNTER-MES-**  
23                                   **SAGING PLATFORM.**

24      (a) LIMITATION; REPORT.—None of the funds au-  
25      thorized to be appropriated by this Act may be used for

1 United States Special Operations Command's Global Mes-  
2 saging and Counter-Messaging platform until the Sec-  
3 retary of Defense submits to the congressional defense  
4 committees a report containing the following elements:

5 (1) The justification of the Secretary for the  
6 proposed designation of the United States Special  
7 Operations Command as the entity responsible for  
8 establishing the centralized Global Messaging and  
9 Counter-Messaging capability.

10 (2) A description of the proposed roles and re-  
11 sponsibilities of the United States Special Oper-  
12 ations Command as such entity.

13 (3) An implementation plan for the establish-  
14 ment of the platform, including a timeline for  
15 achieving initial and full operational capability.

16 (4) A description of the impacts to existing  
17 counter-messaging platforms, capabilities, and con-  
18 tracts.

19 (5) A description of the budget requirements  
20 for the platform to reach full operational capability,  
21 including an identification and cost of any infra-  
22 structure and equipment requirements.

23 (6) A summary of costs to operate and sustain  
24 the platform across the future-years defense pro-

1       gram under section 221 of title 10, United States  
2       Code.

3           (7) A comprehensive plan for the continual as-  
4       sessment of the effectiveness of the Global Mes-  
5       saging and Counter-Messaging activities and pro-  
6       grams.

7           (8) An explanation of the Secretary's guidance  
8       to the combatant commands to ensure unity of effort  
9       and prevent the proliferation of messaging and  
10      counter-messaging platforms.

11          (9) A detailed description of the processes for  
12      deconfliction and, where possible, integration of plat-  
13      form planning and activities with those of relevant  
14      departments and agencies of the United States Gov-  
15      ernment, including the Global Engagement Center of  
16      the Department of State.

17          (10) An identification of any additional authori-  
18      ties that may be required for achieving full oper-  
19      ational capability of the platform.

20          (11) A description of other actions, activities,  
21      and efforts taken to implement section 1637 of the  
22      National Defense Authorization Act for Fiscal Year  
23      2018 (Public Law 115-91).

24          (12) Any other matters the Secretary deter-  
25      mines are relevant.

1 (b) ADDITIONAL REPORT REQUIRED.—Not later  
2 than 9 months after the date of the enactment of this Act,  
3 the Secretary of Defense shall submit to the congressional  
4 defense committees a report containing a review and as-  
5 sessment of the doctrine, organization, training, materiel,  
6 leadership and education, personnel, and facilities applica-  
7 ble to military information support personnel, including—

8 (1) an assessment of current doctrine, organiza-  
9 tion, training, materiel, leadership and education,  
10 personnel, and facilities; and

11 (2) recommended changes for enhancing the  
12 ability of military information support personnel to  
13 operate effectively in the current and future infor-  
14 mation environment.

15 **SEC. 1066. COMPREHENSIVE REVIEW OF PROFES-**  
16 **SIONALISM AND ETHICS PROGRAMS FOR**  
17 **SPECIAL OPERATIONS FORCES.**

18 (a) REVIEW REQUIRED.—The Secretary of Defense  
19 shall conduct a comprehensive review of the ethics pro-  
20 grams and professionalism programs of the United States  
21 Special Operations Command and of the military depart-  
22 ments for officers and other military personnel serving in  
23 special operations forces.

1 (b) ELEMENTS OF THE REVIEW.—The review con-  
2 ducted under subsection (a) shall specifically include a de-  
3 scription and assessment of each of the following:

4 (1) The professionalism and ethics standards of  
5 the United States Special Operations Command and  
6 affiliated component commands.

7 (2) The ethics programs and professionalism  
8 programs of the military departments available for  
9 special operations forces.

10 (3) The ethics programs and professionalism  
11 programs of the United States Special Operations  
12 Command and affiliated component commands.

13 (4) The roles and responsibilities of the military  
14 departments and the United States Special Oper-  
15 ations Command and affiliated component com-  
16 mands in administering, overseeing, managing, and  
17 ensuring compliance and participation of special op-  
18 erations forces in ethics programs and profes-  
19 sionalism programs, including an identification of—

20 (A) any gaps in the administration, over-  
21 sight, and management of such programs and  
22 in ensuring the compliance and participation in  
23 such programs; and

24 (B) any additional guidance that may be  
25 required for a systematic, integrated approach

1           in administering, overseeing, and managing  
2           such programs and in ensuring compliance with  
3           and participation in such programs in order to  
4           address issues and improve adherence to profes-  
5           sionalism and ethics standards.

6           (5) The adequacy of the existing management  
7           and oversight framework for ensuring that all ethics  
8           programs and professionalism programs available to  
9           special operations forces meet Department stand-  
10          ards.

11          (6) Tools and metrics for identifying and as-  
12          sessing individual and organizational ethics and pro-  
13          fessionalism issues with respect to special operations  
14          forces.

15          (7) Tools and metrics for assessing the effec-  
16          tiveness of existing ethics programs and profes-  
17          sionalism programs in improving or addressing indi-  
18          vidual and organizational ethics-related and profes-  
19          sionalism issues with respect to special operations  
20          forces.

21          (8) Any additional actions that may be required  
22          to address or improve individual and organizational  
23          ethics and professionalism issues with respect to spe-  
24          cial operations forces.

1           (9) Any additional actions that may be required  
2           to improve the oversight and accountability by senior  
3           leaders of ethics and professionalism-related issues  
4           with respect to special operations forces.

5           (c) LIMITATION ON DELEGATION.—The Secretary of  
6           Defense may only delegate responsibility for any element  
7           of the review required by subsection (a) to the Assistant  
8           Secretary of Defense for Special Operations and Low In-  
9           tensity Conflict, in coordination with other appropriate of-  
10          fices of the Secretary of Defense and the secretaries of  
11          the military departments.

12          (d) DEADLINE FOR SUBMITTAL OF REVIEW.—The  
13          Secretary of Defense shall submit the review required by  
14          subsection (a) to the Committees on Armed Services of  
15          the Senate and the House of Representatives by not later  
16          than March 1, 2019.

17          (e) DEFINITIONS.—In this section:

18               (1) The term “ethics program” means a pro-  
19               gram that includes—

20                       (A) compliance-based ethics training, edu-  
21                       cation, initiative, or other activity that focuses  
22                       on adherence to rules and regulations; and

23                       (B) values-based ethics training, education,  
24                       initiative, or other activity that focuses on up-  
25                       holding a set of ethical principles in order to

1           achieve high standards of conduct and incor-  
2           porate guiding principles to help foster an eth-  
3           ical culture and inform decision-making where  
4           rules are not clear.

5           (2) The term “professionalism program” means  
6           a program that includes training, education, initia-  
7           tive, or other activity that focuses on values, ethics,  
8           standards, code of conduct, and skills as related to  
9           the military profession.

10 **SEC. 1067. MUNITIONS ASSESSMENTS AND FUTURE-YEARS**  
11 **DEFENSE PROGRAM REQUIREMENTS.**

12           (a) **REQUIRED REPORTS.**—Not later than March 1,  
13 2019, and annually thereafter, the Under Secretary of De-  
14 fense for Acquisition and Sustainment, in consultation  
15 with the Chairman of the Joint Chiefs of Staff shall sub-  
16 mit to the congressional defense committees each of the  
17 following:

18           (1) The most current munitions assessments, as  
19           defined by Department of Defense Instruction Num-  
20           ber 3000.04, relating to the Department of Defense  
21           munitions requirements process.

22           (2) The most current sufficiency assessments,  
23           as defined by such Department of Defense Instruc-  
24           tion.

1           (3) The most current approved memorandum of  
2           the Joint Requirements Oversight Council resulting  
3           from the munitions requirements process.

4           (4) The planned funding and munitions require-  
5           ments required for the first fiscal year beginning  
6           after the date of the submittal of the report and  
7           across the future-years defense program for muni-  
8           tions across all military departments and the Missile  
9           Defense Agency.

10          (5) The planned foreign military sales and for-  
11          eign military financing orders for United States mu-  
12          nitions across the future-years defense program.

13          (b) SUNSET.—The requirement to submit reports  
14          and assessments under this section shall terminate on De-  
15          cember 31, 2021.

16          (c) SUPPLY CHAIN ASSESSMENTS.—Beginning in fis-  
17          cal year 2020, the Under Secretary shall evaluate supply  
18          chain risks, including qualified supplier shortages and sin-  
19          gle source supplier vulnerabilities for munitions produc-  
20          tion. The Under Secretary shall include in the reports re-  
21          quired under subsection (a) for fiscal year 2020 and any  
22          subsequent fiscal year for which such reports are required  
23          to be submitted, a list of munitions that are at risk of  
24          production impacts from the loss of qualified suppliers.

1 **SEC. 1068. REPORT ON ESTABLISHMENT OF ARMY FUTURES**  
2 **COMMAND.**

3 (a) REPORT REQUIRED.—Not later than February 1,  
4 2019, the Secretary of the Army shall submit to the con-  
5 gressional defense committees a report on the Army's plan  
6 for the establishment of Army Futures Command.

7 (b) CONTENTS OF REPORT.—The report required by  
8 subsection (a) shall include each of the following:

9 (1) A description of the mission of Army Fu-  
10 tures Command.

11 (2) A description of the authorities and respon-  
12 sibilities of the Commander of Army Futures Com-  
13 mand.

14 (3) A description of the relationship between  
15 such authorities and the authorities of the Army Ac-  
16 quisition Authority and a description of any changes  
17 to be made to the authorities and missions of other  
18 Army major commands.

19 (4) A detailed description of the structure for  
20 Army Futures Command, including grade require-  
21 ments.

22 (5) A detailed description of any resources or  
23 elements to be realigned from the Army Training  
24 and Doctrine Command, Army Materiel Command,  
25 Army Force Command, or Army Test and Evalua-  
26 tion Command to Army Futures Command.

1           (6) An assessment of the number and location  
2 of members of the Armed Forces and Department of  
3 Defense civilian personnel expected to be assigned to  
4 Army Futures Command.

5           (7) A cost estimate for the establishment of  
6 Army Futures Command in fiscal year 2019 and  
7 projected costs for each of fiscal years 2020 through  
8 2023.

9           (8) A description of the headquarters stationing  
10 selection criteria and methodology.

11           (9) Any other information relating to the com-  
12 mand, as determined by the Secretary.

13 **SEC. 1069. REPORT ON CYBER-ENABLED INFORMATION OP-**  
14 **ERATIONS.**

15           Not later than 180 days after the date of the enact-  
16 ment of this Act, the President shall transmit to the Com-  
17 mittees on Armed Services and Foreign Affairs of the  
18 House of Representative and the Committees on Armed  
19 Services and Foreign Relations of the Senate a report on  
20 the effects of cyber-enabled information operations on the  
21 national security of the United States. Such report shall  
22 include each of the following:

23           (1) A summary of actions taken by the Federal  
24 Government to protect the national security of the

1 United States against cyber-enabled information op-  
2 erations.

3 (2) A description of the resources necessary to  
4 protect the national security of the United States  
5 against cyber-enabled information operations by for-  
6 eign adversaries.

7 **SEC. 1070. REPORT ON UNMANNED AIRCRAFT IN ARLING-**  
8 **TON NATIONAL CEMETERY.**

9 (a) REPORT.—Not later than 90 days after the date  
10 of the enactment of this Act, the Secretary of Defense and  
11 the Administrator of the Federal Aviation Administration  
12 shall jointly submit to the Committee on Armed Services,  
13 the Committee on Transportation and Infrastructure, and  
14 the Committee on Veterans' Affairs of the House of Rep-  
15 resentatives and the Committee on Armed Services, the  
16 Committee on Commerce, Science, and Transportation,  
17 and the Committee on Veterans' Affairs of the Senate a  
18 report on whether legislative action is required to prevent  
19 low flying unmanned aircraft from disrupting funerals at  
20 Arlington National Cemetery.

21 (b) UNMANNED AIRCRAFT DEFINED.—In this sec-  
22 tion, the term “unmanned aircraft” has the meaning given  
23 such term in section 331(8) of the FAA Modernization  
24 and Reform Act of 2012 (Public Law 112–95; 49 U.S.C.  
25 40101 note).

1 **SEC. 1071. REPORT ON AN UPDATED ARCTIC STRATEGY.**

2 (a) REPORT ON AN UPDATED STRATEGY.—Not later  
3 than June 1, 2019, the Secretary of Defense shall submit  
4 to the congressional defense committees a report on an  
5 updated Arctic strategy to improve and enhance joint op-  
6 erations.

7 (b) ELEMENTS.—The report required by subsection  
8 (a) shall include the following:

9 (1) A description of United States national se-  
10 curity interests in the Arctic region.

11 (2) An assessment of the threats and security  
12 challenges posed by adversaries operating in the Arc-  
13 tic region, including descriptions of such adversaries'  
14 intents and investments in Arctic capabilities.

15 (3) A description of the roles and missions of  
16 each military service in the Arctic region in the con-  
17 text of joint operations to support the Arctic strat-  
18 egy, including—

19 (A) a description of a joint Arctic strategy  
20 for sea operations, including all military and  
21 Coast Guard vessels available for Arctic oper-  
22 ations;

23 (B) a description of a joint Arctic strategy  
24 for air operations, including all rotor and fixed  
25 wing military aircraft platforms available for  
26 Arctic operations; and

1 (C) a description of a joint Arctic strategy  
2 for ground operations, including all military  
3 ground forces available for Arctic operations.

4 (4) A description of near-term and long-term  
5 training, capability, and resource gaps that must be  
6 addressed to fully execute each mission described in  
7 the Arctic strategy against an increasing threat envi-  
8 ronment.

9 (5) A description of the level of cooperation be-  
10 tween the Department of Defense, any other depart-  
11 ments and agencies of the United States Govern-  
12 ment, State and local governments, and tribal enti-  
13 ties related to the defense of the Arctic region.

14 (c) FORM OF REPORT.—The report required by sub-  
15 section (a) shall be submitted in unclassified form, but  
16 may include a classified annex.

17 **SEC. 1072. REPORT ON USE AND AVAILABILITY OF MILI-**  
18 **TARY INSTALLATIONS FOR DISASTER RE-**  
19 **SPONSE.**

20 (a) REPORT REQUIRED.—Not later than 90 days  
21 after the date of the enactment of this Act, the Secretary  
22 of Defense shall submit to the congressional defense com-  
23 mittees a report that identifies—

24 (1) each military installation that has been  
25 made available to the Department of Homeland Se-

1 security for disaster response for the past 10 fiscal  
2 years; and

3 (2) military installations assessed to be avail-  
4 able in support of fast response to disasters.

5 (b) ELEMENTS.—The report required under sub-  
6 section (a) shall include the following:

7 (1) For each military installation identified  
8 under subsection (a)(1)—

9 (A) the name of the installation;

10 (B) the location of the installation, includ-  
11 ing the State and Congressional District;

12 (C) a description of the infrastructure and  
13 equipment made available at the installation;  
14 and

15 (D) a description of personnel made avail-  
16 able for disaster response.

17 (2) For each military installation identified  
18 under subsection (a)(2)—

19 (A) the name of the installation;

20 (B) the location of the installation, includ-  
21 ing the State and Congressional District;

22 (C) a description of the infrastructure and  
23 equipment to be available at the installation;  
24 and

1 (D) a description of personnel to be avail-  
2 able for disaster response.

3 **SEC. 1073. REPORT ON DEPARTMENT OF DEFENSE PAR-**  
4 **TICIPATION IN EXPORT ADMINISTRATION**  
5 **REGULATIONS LICENSE APPLICATION RE-**  
6 **VIEW PROCESS.**

7 (a) IN GENERAL.—Not later than 180 days after the  
8 enactment of this Act, and every 180 days thereafter until  
9 the date that is three years after such date of enactment,  
10 the Under Secretary of Defense for Policy shall submit  
11 to the appropriate congressional committees a report on  
12 the participation by the Department of Defense in the  
13 process for reviewing applications for export licenses under  
14 the Export Administration Regulations as a reviewing  
15 agency under Executive Order 12981 (50 U.S.C. 4603  
16 note; relating to administration of export controls).

17 (b) ELEMENTS.—The report required by subsection  
18 (a) shall include the following:

19 (1) The number of applications for export li-  
20 censes under the Export Administration Regulations  
21 reviewed by the Department of Defense in the 180-  
22 day period preceding the submission of the report.

23 (2) The number of instances during that 180-  
24 day period in which the Department disagreed with  
25 a final determination made with respect to such an

1 application under the review procedures set forth in  
2 Executive Order 12981.

3 (3) A summary of such instances, including—

4 (A) a summary of the applicants for such  
5 licenses and the recipients of items pursuant to  
6 such licenses in such instances;

7 (B) a description of sensitive technologies  
8 involved in such instances; and

9 (C) a description of the rationale of the  
10 Department for disagreeing with such deter-  
11 minations.

12 (4) The number of such applications under re-  
13 view by the Department or undergoing interagency  
14 dispute resolution as of the date of the submission  
15 of the report.

16 (c) FORM.—The report required by subsection (a)  
17 shall be submitted in unclassified form but may include  
18 a classified annex.

19 (d) DEFINITIONS.—In this section:

20 (1) The term “appropriate congressional com-  
21 mittees” means—

22 (A) the congressional defense committees;

23 (B) the Committee on Foreign Affairs of  
24 the House of Representatives; and

1 (C) the Committee on Foreign Relations of  
2 the Senate.

3 (2) The term “Export Administration Regula-  
4 tions” means subchapter C of chapter VII of title  
5 15, Code of Federal Regulations.

6 **SEC. 1074. MILITARY AVIATION READINESS REVIEW IN SUP-**  
7 **PORT OF THE NATIONAL DEFENSE STRAT-**  
8 **EGY.**

9 (a) REPORT REQUIRED.—Not later than one year  
10 after the date of the enactment of this Act, the Secretary  
11 of Defense shall submit to the Committees on Armed Serv-  
12 ices of the Senate and the House of Representatives a re-  
13 port on military aviation readiness in support of the Na-  
14 tional Defense Strategy (NDS).

15 (b) REVIEW FOR REPORT PURPOSES.—

16 (1) IN GENERAL.—The report under subsection  
17 (a) shall be based on a review conducted for pur-  
18 poses of the report in accordance with this section.

19 (2) PANEL.—The review shall be conducted by  
20 a panel consisting of the following:

21 (A) The Commander of the Air Combat  
22 Command, who shall head the panel.

23 (B) The Commander of the Army Aviation  
24 Branch.

25 (C) The Commander, Naval Air Forces.

1 (D) The Deputy Commandant of the Ma-  
2 rine Corps for Aviation.

3 (E) Such other personnel of the Depart-  
4 ment of Defense as the Secretary considers ap-  
5 propriate.

6 (c) REVIEW ELEMENTS.—The review required by  
7 subsection (b) shall address the following:

8 (1) An analysis of the career progression of  
9 military pilots and non-pilot aviators, including a  
10 comparison between military pilot and non-pilot avi-  
11 ators, on the one hand, and other military speciali-  
12 ties, on the other hand, with respect to each of the  
13 following:

14 (A) Tours of duty.

15 (B) Assignment lengths.

16 (C) Minimum service commitments.

17 (D) Professional performance evaluation  
18 systems.

19 (E) Statutory and administrative pro-  
20 motion processes.

21 (2) An analysis of aircrew aviation training for  
22 various aircraft platforms, including—

23 (A) an historical analysis, covering the  
24 past 15 years, of first and second assignment  
25 total flight hours and model-specific flight

1 hours for military pilots and non-pilot aviators;  
2 and

3 (B) an analysis of the flight hour program  
4 in order to determine the appropriate level of  
5 required monthly flight hours and sorties to  
6 maintain currency (minimum safe level) and  
7 proficiency (minimum level to be tactically com-  
8 petent).

9 (3) An analysis of the effect of recent oper-  
10 ational deployments on the ability of military pilots  
11 and non-pilot aviators to build and maintain readi-  
12 ness for potential threats from a near-peer adver-  
13 sary, including—

14 (A) a comparison of rates of simulator  
15 usage for military pilots and non-pilot aviators  
16 within and not within the pre-deployment train-  
17 ing window; and

18 (B) an assessment of the suitability of  
19 training curriculum to address high-end combat  
20 operations against a near-peer adversary.

21 (4) An analysis of aviation squadron size and  
22 composition, including—

23 (A) individual unit-level aircraft allocation;

24 (B) aviation platform-specific force struc-  
25 ture; and

1 (C) quantity of squadrons within each  
2 aviation platform.

3 (5) An analysis of aviation squadron manning  
4 documents on appropriate levels and composition of  
5 military pilots, non-pilot aviators, and non-aircrew  
6 for each squadron in support of the most current  
7 National Defense Strategy, including a consideration  
8 of—

9 (A) appropriate levels and composition of  
10 military pilots, non-pilot aviators, and non-air-  
11 crew for each squadron in support of such Na-  
12 tional Defense Strategy;

13 (B) flight-related workload compared with  
14 non-flight related workload for military pilots  
15 and non-pilot aviators;

16 (C) the number of different aircraft plat-  
17 forms to which enlisted maintenance personnel  
18 are expected to be assigned throughout a typ-  
19 ical career; and

20 (D) career training milestones for enlisted  
21 maintenance personnel, and the effects of such  
22 milestones on military aviation readiness.

23 (6) An analysis of logistics programs in support  
24 of military aviation readiness, including—

1 (A) an evaluation of any shortfalls in logis-  
2 tics programs that serve as contributing factors  
3 to both military pilot retention and overall read-  
4 iness of military aviation units;

5 (B) an analysis of aircraft parts cannibal-  
6 ization rates;

7 (C) a determination of average mission ca-  
8 pable ratings for aircraft throughout the var-  
9 ious stages of the deployment cycle;

10 (D) an analysis of rates of reassignment of  
11 aircraft from non-deploying units to deploying  
12 units; and

13 (E) an identification of individual aircraft  
14 communities, if any, with strained supply  
15 chains with single-source suppliers.

16 **SEC. 1075. REPORT ON HIGHEST-PRIORITY ROLES AND MIS-**  
17 **SIONS OF THE DEPARTMENT OF DEFENSE**  
18 **AND THE ARMED FORCES.**

19 (a) REPORT ON ROLES AND MISSIONS.—

20 (1) REPORT REQUIRED.—Not later than March  
21 31, 2019, the Secretary of Defense shall submit to  
22 the congressional defense committees a report set-  
23 ting forth a re-evaluation of the highest priority mis-  
24 sions of the Department of Defense, and of the roles

1 of the Armed Forces in the performance of such  
2 missions.

3 (2) GOALS.—The goals of the re-evaluation re-  
4 quired for purposes of the report shall be as follows:

5 (A) To support implementation of the Na-  
6 tional Defense Strategy.

7 (B) To optimize the effectiveness of the  
8 joint force.

9 (C) To inform the preparation of future  
10 defense program and budget requests by the  
11 Secretary, and the consideration of such re-  
12 quests by Congress.

13 (b) ELEMENTS.—The report required by subsection  
14 (b) shall include the following:

15 (1) A detailed description of the pacing threats  
16 for each Armed Force, and for special operations  
17 forces, and an assessment of the manner in which  
18 such pacing threats determine the primary role of  
19 each Armed Force, and special operations forces, in-  
20 cluding the connection between key operational tasks  
21 required by contingency plans.

22 (2) A specific requirement for the size and com-  
23 position of each Armed Force, including the fol-  
24 lowing:

1 (A) The required total end strength and  
2 force structure by type for the Army.

3 (B) The required fleet size of the Navy,  
4 identified by class of ships and the cor-  
5 responding total end strength requirement once  
6 that fleet size is achieved.

7 (C) The required number of operational  
8 Air Force squadrons, identified by function and  
9 the corresponding total end strength require-  
10 ment once that number of squadrons is  
11 achieved.

12 (D) The required total end strength and  
13 force structure by type for the Marine Corps.

14 (3) An evaluation of the roles of the Armed  
15 Forces in performing low-intensity missions, such as  
16 counterterrorism and security force assistance.

17 (4) An assessment of the roles of the total  
18 ground forces, both Army and Marine Corps, to exe-  
19 cute the National Defense Strategy.

20 (5) An assessment, based on operational plans,  
21 of the ability of power projection platforms to sur-  
22 vive and effectively perform the highest priority  
23 operational missions described in the National De-  
24 fense Strategy.

1           (6) An assessment, based on operational plans,  
2           of the ability of manned, stealthy, penetrating strike  
3           platforms to survive and perform effectively the  
4           highest priority operational missions described in the  
5           National Defense Strategy.

6           (7) An evaluation of the most effective and effi-  
7           cient means for the joint force to achieve air superi-  
8           ority in both contested and uncontested environ-  
9           ments.

10          (8) An evaluation of the roles of the joint spe-  
11          cial operations enterprise.

12          (9) An assessment of the manner in which in-  
13          creased use of the space domain should revise or re-  
14          allocate the requirements of the joint force.

15          (10) An assessment of the manner in which the  
16          joint force will perform the mission of logistics in  
17          contested environments.

18          (c) FORM.—The report required in subsection (b)  
19          shall be submitted in classified form, and shall include an  
20          unclassified summary.

## 21                   **Subtitle F—Other Matters**

### 22   **SEC. 1081. TECHNICAL, CONFORMING, AND CLERICAL** 23                   **AMENDMENTS.**

24          (a) TITLE 10, UNITED STATES CODE.—Title 10,  
25          United States Code, is amended as follows:

1           (1) Sections 130j and 130k, as added by sec-  
2           tion 1631 of the National Defense Authorization Act  
3           for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
4           1736), are amended by striking “section 3093 of  
5           title 50, United States Code” both places it appears  
6           and inserting “section 503 of the National Security  
7           Act of 1947 (50 U.S.C. 3093)”.

8           (2) The table of sections at the beginning of  
9           chapter 3 is amended by striking the items relating  
10          to sections 130j and 130k and inserting the fol-  
11          lowing new items:

“130j. Notification requirements for sensitive military cyber operations.  
“130k. Notification requirements for cyber weapons.”.

12          (3) Section 131(b)(9), as amended by section  
13          811, is further amended—

14                 (A) by striking subparagraphs (B), (C),  
15                 and (D); and

16                 (B) by redesignating subparagraphs (E),  
17                 (F), (G), and (H), as subparagraphs (B), (C),  
18                 (D), and (E), respectively.

19          (4) The table of sections at the beginning of  
20          chapter 4 is amended by striking the item relating  
21          to section 261 and inserting the following:

“241. Reference to chapters 1003, 1005, and 1007.”.

22          (5) Section 494(b)(2) is amended in the matter  
23          preceding subparagraph (A) by striking “March 1,

1       2012, and annually thereafter” and inserting  
2       “March 1 of each year”.

3           (6) Section 495(a) is amended by striking “Be-  
4       ginning in fiscal year 2013, the” and inserting  
5       “*The*”.

6           (7) Section 499a(d), as added by section  
7       1652(a) of the National Defense Authorization Act  
8       for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
9       1757), is amended by striking “on or after the date  
10      of the enactment of this section” and inserting  
11      “after December 11, 2017,”.

12          (8) Section 637a(d) is amended by striking  
13      “specialities” and inserting “specialties”.

14          (9) Section 664(d)(1) is amended by striking  
15      “the the” and inserting “the”.

16          (10) The table of subchapters at the beginning  
17      of chapter 47A is amended by striking the item re-  
18      lating to subchapter VII and inserting the following:

“VII. POST-TRIAL PROCEDURE AND REVIEW OF MILITARY COMMISSIONS”.

19          (11) The table of sections at the beginning of  
20      subchapter VII of chapter 47A is amended by strik-  
21      ing the item relating to section 950g and inserting  
22      the following:

“950g. Review by United States Court of Appeals for the District of Columbia  
Circuit; writ of certiorari to Supreme Court.”.

23          (12) Section 950t is amended—

1 (A) in paragraph (9), by striking “attack.  
2 or” and inserting “attack, or”;

3 (B) in paragraph (16), by striking “shall  
4 punished” and inserting “shall be punished”;  
5 and

6 (C) in paragraph (22), by adding a period  
7 at the end.

8 (13) The table of sections at the beginning of  
9 chapter 55 is amended by striking the item relating  
10 to section 1077a and inserting the following:

“1077a. Access to military medical treatment facilities and other facilities.”.

11 (14) Section 1415(e) is amended by striking  
12 “concerned”.

13 (15) Section 2006a(b)(3) is amended by strik-  
14 ing “the such programs” and inserting “such pro-  
15 grams”.

16 (16) Section 2279(c) is amended by striking  
17 “subsection (a) and (b)” and inserting “subsections  
18 (a) and (b)”.

19 (17) Section 2279e, as added by section  
20 1601(a)(1) of the National Defense Authorization  
21 Act for Fiscal Year 2018 (Public Law 115–91; 131  
22 Stat. 1718), is amended—

23 (A) in subsection (a)(3), by striking “ the  
24 date of the enactment of this Act” and insert-  
25 ing “December 12, 2017”; and

- 1 (B) in subsection (b)—
- 2 (i) in the matter preceding paragraph
- 3 (1), by striking “ the date of the enact-
- 4 ment of this section” and inserting “De-
- 5 cember 12, 2017”; and
- 6 (ii) in paragraph (3), by striking “on
- 7 or after the date that is one year after the
- 8 date of the enactment of this section” and
- 9 inserting “after December 11, 2018”.

10 (18)(A) The second section 2279c, as added by

11 section 1602 of the National Defense Authorization

12 Act for Fiscal Year 2018 (Public Law 115–91; 131

13 Stat. 1721), is redesignated as section 2279d.

14 (B) The table of sections at the beginning of

15 chapter 135 is amended by inserting after the item

16 relating to section 2279c the following new item:

“2279d. Limitation on construction on United States territory of satellite posi-  
tioning ground monitoring stations of certain foreign govern-  
ments.”.

17 (19) Section 2313b(b)(1)(E), as added by sec-

18 tion 803(a) of the National Defense Authorization

19 Act for Fiscal Year 2018 (Public Law 115–91; 131

20 Stat. 1452), is amended by redesignating clauses

21 (A) and (B) as clauses (i) and (ii), respectively.

22 (20) Section 2337a(d), as added by section

23 836(a)(1) of the National Defense Authorization Act

24 for Fiscal Year 2018 (Public Law 115–91; 131 Stat.

1 1473), is amended by striking “title 10, United  
2 States Code” and inserting “this title”.

3 (21) Section 2374a(e) is amended by striking  
4 “,” and inserting “,”.

5 (22) The table of sections at the beginning of  
6 chapter 141 is amended by striking the item relating  
7 to section 2410s and inserting the following new  
8 item:

“2410s. Security clearances for facilities of certain companies.”.

9 (23) The heading of section 2410s is amended  
10 by striking the period at the end.

11 (24)(A) The heading of section 2414, as  
12 amended by section 817(1) of the National Defense  
13 Authorization Act for Fiscal Year 2018 (Public Law  
14 115–91; 131 Stat. 1462), is amended to read as fol-  
15 lows:

16 **“§ 2414. Funding”.**

17 (B) The item relating to such section in the  
18 table of sections at the beginning of chapter 142 is  
19 amended to read as follows:

“2414. Funding.”.

20 (25) Section 2613(g) is amended by striking  
21 “(1)”.

22 (26) Section 2679(a)(1) is amended by striking  
23 “Federal government” and inserting “Federal Gov-  
24 ernment”.

1 (27) The heading of section 2691, as amended  
2 by section 2814(b)(1) of the National Defense Au-  
3 thorization Act for Fiscal Year 2018 (Public Law  
4 115–91), is amended to read as follows:

5 **“§ 2691. Restoration of land used by permit or dam-**  
6 **aged by mishap; reimbursement of state**  
7 **costs of fighting wildland fires”.**

8 (28) Section 2879(a)(2)(A), as added by section  
9 2817(a)(1) of the National Defense Authorization  
10 Act for Fiscal Year 2018 (Public Law 115–91), is  
11 amended by striking “on or after the date of the en-  
12 actment of this section” and inserting “after Decem-  
13 ber 11, 2017,”.

14 (29) The heading of section 2914 is amended to  
15 read as follows:

16 **“§ 2914. Energy resilience and conservation construc-**  
17 **tion projects”.**

18 (30) Section 10504 is amended—

19 (A) in subsection (a), by striking “The  
20 Chief” and inserting “(1) The Chief”; and

21 (B) by redesignating the second subsection  
22 (b) as subsection (c).

23 (b) TITLE 32, UNITED STATES CODE.—Title 32,  
24 United States Code, is amended in section 902, by striking

1 “the Secretary, determines” and inserting “the Secretary  
2 determines”.

3 (c) NDAA FOR FISCAL YEAR 2018.—Effective as of  
4 December 12, 2017, and as if included therein as enacted,  
5 the National Defense Authorization Act for Fiscal Year  
6 2018 (Public Law 115–91; 131 Stat. 1284 et seq.) is  
7 amended as follows:

8 (1) Section 834(a)(2) (131 Stat. 1470) is  
9 amended by striking “subchapter I of”.

10 (2) Section 913(b) is amended by striking the  
11 dash after the colon in the matter preceding para-  
12 graph (1).

13 (3) Section 1051(d) is amended by inserting  
14 “National” before “Defense Authorization Act”.

15 (4) Section 1691(i) is amended—

16 (A) by inserting “the” after “Title XIV  
17 of”; and

18 (B) by inserting “as enacted into law by”  
19 before “Public Law 106–398”.

20 (5) Section 2817(a)(2) is amended by striking  
21 “table of sections for” and inserting “table of sec-  
22 tions at the beginning of subchapter IV of”.

23 (6) Section 2831(b) is amended by inserting “of  
24 title 10, United States Code,” after “chapter 173”.

25 (7) Section 2876(d) is amended—

1 (A) by inserting “In this section:” after  
2 “DEFINITIONS.—”; and

3 (B) in paragraph (1)(A), in the matter  
4 preceding clause (i), by inserting open quotation  
5 marks before “beneficial” and close quotation  
6 marks after “owner”.

7 (d) OTHER NDAAS.—Section 828(c) of the National  
8 Defense Authorization Act for Fiscal Year 2016 (Public  
9 Law 114–92; 10 U.S.C. 2430 note), as added by section  
10 825(a)(4) of the National Defense Authorization Act for  
11 Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1466),  
12 is amended by inserting “subsection” before “(b)”.

13 (e) OTHER LAWS.—

14 (1) TITLE 31.—Paragraph (1) of section  
15 5112(p) of title 31, United States Code, as amended  
16 by section 885 of the National Defense Authoriza-  
17 tion Act for Fiscal Year 2018 (Public Law 115–91;  
18 131 Stat. 1505), is amended by striking “, United  
19 States Code” each place it appears.

20 (2) TITLE 49.—Subsection (h) of section 44718  
21 of title 49, United States Code, as amended and re-  
22 designated by sections 311(b)(3) and 311(e)(1) of  
23 the National Defense Authorization Act for Fiscal  
24 Year 2018 (Public Law 115–91), is amended—

1 (A) in paragraph (1), by striking “section  
2 183a(g) of title 10” and inserting “section  
3 183a(h)(1) of title 10”; and

4 (B) in paragraph (2), by striking “section  
5 183a(g) of title 10” and inserting “section  
6 183a(h)(7) of title 10”.

7 (3) ATOMIC ENERGY DEFENSE ACT.—Section  
8 4309(e) of the Atomic Energy Defense Act (50  
9 U.S.C. 2575(c)) is amended by redesignating para-  
10 graphs (17) and (18) as paragraphs (16) and (17),  
11 respectively.

12 (f) CONFORMING AMENDMENTS RELATING TO THE  
13 CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF  
14 DEFENSE.—

15 (1) CONFORMING AMENDMENTS.—

16 (A) Each of the following provisions law is  
17 amended by striking “Deputy Chief Manage-  
18 ment Officer” each place it appears and insert-  
19 ing “Chief Management Officer”:

20 (i) Section 192(e)(2) of title 10,  
21 United States Code.

22 (ii) Section 2222 of title 10, United  
23 States Code.

24 (iii) Section 11319(d)(4) of title 40,  
25 United States Code.

1 (iv) Section 881(a) of the National  
2 Defense Authorization Act for Fiscal Year  
3 2016 (Public Law 114–92; 10 U.S.C. 2302  
4 note).

5 (v) Section 217 of the National De-  
6 fense Authorization Act for Fiscal Year  
7 2016 (Public Law 114–92; 10 U.S.C.  
8 2445a note).

9 (B) Section 131(b) of title 10, United  
10 States Code, as amended by subsection (a)(3)  
11 of this section, is further amended—

12 (i) by striking paragraph (4); and

13 (ii) by redesignating paragraphs (5)  
14 through (10) as paragraphs (4) through  
15 (9), respectively.

16 (C) Section 137a(d) of title 10, United  
17 States Code, is amended—

18 (i) by striking “the Secretaries of the  
19 military departments,” and inserting “the  
20 Chief Management Officer of the Depart-  
21 ment of Defense, the Secretaries of the  
22 military departments, and”; and

23 (ii) by striking “, and the Deputy  
24 Chief Management Officer of the Depart-  
25 ment of Defense”.

1 (D) Section 138(d) of title 10, United  
2 States Code, is amended—

3 (i) by inserting “the Chief Manage-  
4 ment Officer of the Department of De-  
5 fense,” after “the Deputy Secretary of De-  
6 fense,”; and

7 (ii) by striking “ the Deputy Chief  
8 Management Officer of the Department of  
9 Defense,”.

10 (E) Section 904(b)(4) the National De-  
11 fense Authorization Act for Fiscal Year 2008  
12 (Public Law 110–181; 10 U.S.C. 132 note.) is  
13 amended—

14 (i) by striking “and Deputy Chief  
15 Management Officer”and

16 (ii) by striking “as is necessary to as-  
17 sist those officials in the performance of  
18 their duties” and inserting “as is necessary  
19 to assist the Chief Management Officer in  
20 the performance of the duties assigned to  
21 such official”.

22 (F) Section 5314 of title 5, United States  
23 Code, is amended by striking “Deputy Chief  
24 Management Officer of the Department of De-  
25 fense.”.

1 (2) REFERENCES.—

2 (A) IN LAW OR REGULATION.—Any ref-  
3 erence in a law (other than this Act) or regula-  
4 tion in effect on the day before the date of the  
5 enactment of this Act to the Deputy Chief Man-  
6 agement Officer of the Department of Defense  
7 is deemed to be a reference to the Chief Man-  
8 agement Officer of the Department of Defense.

9 (B) IN OTHER DOCUMENTS, PAPERS, OR  
10 RECORDS.—Any reference in a document,  
11 paper, or other record of the United States pre-  
12 pared before the date of the enactment of this  
13 Act to the Deputy Chief Management Officer of  
14 the Department of Defense is deemed to be a  
15 reference to the Chief Management Officer of  
16 the Department of Defense.

17 (g) COORDINATION WITH OTHER AMENDMENTS  
18 MADE BY THIS ACT.—For purposes of applying amend-  
19 ments made by provisions of this Act other than this sec-  
20 tion, the amendments made by this section shall be treated  
21 as having been enacted immediately before any such  
22 amendments by other provisions of this Act.

23 **SEC. 1082. PRINCIPAL ADVISOR ON COUNTERING WEAPONS**  
24 **OF MASS DESTRUCTION.**

25 (a) IN GENERAL.—

1 (1) DESIGNATION OF PRINCIPAL ADVISOR.—

2 Chapter 4 of title 10, United States Code, is amend-

3 ed by adding at the end the following new section:

4 **“§ 145. Principal Advisor on Countering Weapons of**  
5 **Mass Destruction**

6 “The Secretary of Defense may designate, from  
7 among the personnel of the Office of the Secretary of De-  
8 fense, a Principal Advisor on Countering Weapons of Mass  
9 Destruction. Such Principal Advisor shall coordinate the  
10 activities of the Department of Defense relating to coun-  
11 tering weapons of mass destruction. The individual des-  
12 igned to serve as such Principal Advisor shall be an indi-  
13 vidual who was appointed to the position held by the indi-  
14 vidual by and with the advice and consent of the Senate.”.

15 (2) CLERICAL AMENDMENT.—The table of sec-  
16 tions at the beginning of such chapter is amended  
17 by adding at the end the following new item:

“145. Principal Advisor on Countering Weapons of Mass Destruction.”.

18 (b) OVERSIGHT PLAN.—Not later than 180 days  
19 after the date of the enactment of this Act, the Secretary  
20 of Defense shall submit to the congressional defense com-  
21 mittees a plan to streamline the oversight framework of  
22 the Office of the Secretary of Defense, including any effi-  
23 ciencies and the potential to reduce, realign, or otherwise  
24 restructure current Assistant Secretary and Deputy As-  
25 sistant Secretary positions with responsibilities for over-

1 seeing countering weapons of mass destruction policy, pro-  
2 grams, and activities.

3 (c) DIRECTIVE.—Not later than 90 days after the  
4 submission of the oversight plan under subsection (b), the  
5 Secretary of Defense shall issue a directive for the imple-  
6 mentation of the oversight plan by the Countering Weap-  
7 ons of Mass Destruction-Unity of Effort Council.

8 (d) REPORT.—

9 (1) IN GENERAL.—The Secretary shall submit  
10 to the congressional defense committees a report at  
11 the same time as the submission of the budget of the  
12 President (as submitted to Congress pursuant to  
13 section 1105(a) of title 31, United States Code) for  
14 each of fiscal years 2020 through fiscal year 2024.  
15 Each such report shall include, for the fiscal year  
16 covered by the report, each of the following:

17 (A) A concise budget summary, including  
18 budget program data provided by the Undersec-  
19 retary of Defense (Comptroller) for all activities  
20 of the Department that include countering  
21 weapons of mass destruction for the period cov-  
22 ered by the applicable future-years defense pro-  
23 gram under section 221 of title 10, United  
24 States Code.

1 (B) A description of the activities taken by  
2 the Countering Weapons of Mass Destruction-  
3 Unity of Effort Council, including—

4 (i) A description of actions that are  
5 promoting a unity of effort with respect to  
6 countering weapons of mass destruction  
7 across all elements of the Department.

8 (ii) A list of topics that have been  
9 brought before the Countering Weapons of  
10 Mass Destruction-Unity of Effort Council  
11 and the resolution of each such topic.

12 (iii) A description of current and fu-  
13 ture threats involving weapons of mass de-  
14 struction.

15 (iv) A plan, for the period covered by  
16 the applicable future-years defense pro-  
17 gram under section 221 of title 10, United  
18 States Code, to address the threats identi-  
19 fied under clause (iii) consistent with the  
20 budget.

21 (v) Such other matters as the Sec-  
22 retary determines are relevant.

23 (2) FORM OF REPORT.—The report required by  
24 paragraph (1) shall be submitted in unclassified  
25 form, but may include a classified annex.

1 **SEC. 1083. MODIFICATION OF AUTHORITY TO TRANSFER**  
2 **AIRCRAFT TO OTHER DEPARTMENTS FOR**  
3 **WILDFIRE SUPPRESSION PURPOSES.**

4 (a) TRANSFER BY DEPARTMENT OF HOMELAND SE-  
5 CURITY.—Paragraph (1) of subsection (a) of section 1098  
6 of the National Defense Authorization Act for Fiscal Year  
7 2014 (Public Law 113–66; 127 Stat. 881) is amended—

8 (1) in subparagraph (A), by striking “of—”  
9 and all that follows and inserting “of the seven de-  
10 militarized HC–130H aircraft specified in subpara-  
11 graph (B) to the Secretary of the Air Force.”;

12 (2) by striking subparagraph (B); and

13 (3) by redesignating subparagraph (C) as sub-  
14 paragraph (B).

15 (b) AIR FORCE ACTIONS.—Paragraph (2) of such  
16 subsection is amended—

17 (1) in subparagraph (A)(iii), by striking “to the  
18 Secretary of Agriculture” and all that follows and  
19 inserting “to the State of California, Natural Re-  
20 sources Agency, for use by the Department of For-  
21 estry and Fire Protection for firefighting purposes.”;  
22 and

23 (2) in subparagraph (C)—

24 (A) by striking “unless, by reimbursable  
25 order” and all that follows through “such modi-  
26 fications” in each of clauses (i) and (ii);

1 (B) in clause (i), by striking “\$5,000,000”  
2 and inserting “\$7,500,000”; and

3 (C) in clause (ii), by striking  
4 “\$130,000,000” and inserting “\$150,000,000”.

5 (c) COAST GUARD ACTIONS.—The second sentence of  
6 paragraph (3) of such subsection is amended by striking  
7 “under paragraph (2)(A)(ii).” and inserting “pursuant to  
8 this subsection before the date of the enactment of the  
9 John S. McCain National Defense Authorization Act for  
10 Fiscal Year 2019. If the Governor of California identifies  
11 fewer than seven aircraft to be acquired for firefighting  
12 purposes, the Secretary of Homeland Security may retain  
13 title and disposition of the HC-130H aircraft not included  
14 in the transfer.”.

15 (d) CONFORMING AMENDMENTS.—Subsection (c) of  
16 such section is amended by inserting “or the Governor of  
17 California” after “Secretary of Agriculture” each place it  
18 appears.

19 (e) SECRETARY OF AGRICULTURE RETRANSFER OF  
20 TRANSFERRED INITIAL SPARES AND RELATED EQUIP-  
21 MENT.—The Secretary of Agriculture shall, acting for the  
22 Forest Service, transfer to the Commandant of the Coast  
23 Guard or the Governor of California, as appropriate, any  
24 initial spares and necessary ground support equipment for  
25 HC-130H aircraft that were transferred to the Secretary

1 pursuant to section 1098(a)(1)(A)(ii) of the National De-  
2 fense Authorization Act for Fiscal Year 2014 before the  
3 date of the enactment of this Act.

4 (f) GOVERNOR OF CALIFORNIA ACTIONS.—

5 (1) CERTIFICATION REQUIRED.—No action may  
6 be taken to transfer any aircraft pursuant to section  
7 1098(a) of the National Defense Authorization Act  
8 for Fiscal Year 2014 (Public Law 113–66; 127 Stat.  
9 881), as amended by this section, unless the Gov-  
10 ernor of the State of California submits to the Sec-  
11 retary of Defense certification in writing of the num-  
12 ber of HC-130H aircraft that the State of California  
13 requests to be transferred pursuant to such section  
14 for firefighting purposes.

15 (2) FAILURE TO SUBMIT CERTIFICATION.—If  
16 the Governor of California fails to submit the certifi-  
17 cation under paragraph (1) before the date that is  
18 120 days after the date of the enactment of this  
19 Act—

20 (A) paragraph (2) of subsection (a) of sec-  
21 tion 1098 of the National Defense Authoriza-  
22 tion Act for Fiscal Year 2014 (Public Law  
23 113–66; 127 Stat. 881), as amended by this  
24 section shall have no force or effect; and

1 (B) the Secretary of Homeland Security  
2 may retain title and disposition of the HC-  
3 130H aircraft specified in paragraph (1)(B) of  
4 such subsection.

5 **SEC. 1084. IMPROVEMENT OF DATABASE ON EMERGENCY**  
6 **RESPONSE CAPABILITIES.**

7 (a) IN GENERAL.—Section 1406 of the John Warner  
8 National Defense Authorization Act for Fiscal Year 2007  
9 (Public Law 109–364; 120 Stat. 2436; 10 U.S.C. 113  
10 note) is amended—

11 (1) by inserting before “The Secretary” the fol-  
12 lowing: “(a) DATABASE REQUIRED.—”;

13 (2) in subsection (a), as designated by para-  
14 graph (1), by adding at the end the following new  
15 paragraphs:

16 “(3) The types of emergency response cyber ca-  
17 pabilities that the National Guard of each State and  
18 territory may be able to provide in response to do-  
19 mestic or natural man-made disasters, as reported  
20 by the States and territories, including—

21 “(A) capabilities that can be provided with-  
22 in the State or territory;

23 “(B) capabilities that can be provided  
24 under State-to-State mutual assistance agree-  
25 ments; and

1           “(C) capabilities for defense support to  
2           civil authorities.

3           “(4) The types of emergency response cyber ca-  
4           pabilities of other reserve components of the Armed  
5           Forces identified by the Secretary that are available  
6           for defense support to civil authorities in response to  
7           domestic or natural man-made disasters.”; and

8           (3) by adding at the end the following new sub-  
9           section:

10          “(b) INFORMATION REQUIRED TO KEEP DATABASE  
11          CURRENT.—In maintaining the database required by sub-  
12          section (a), the Secretary shall identify and revise the in-  
13          formation required to be reported and included in the  
14          database at least once every two years for purposes of  
15          keeping the database current.”.

16          (b) ESTABLISHMENT OF DATABASE.—

17                 (1) DEADLINE FOR ESTABLISHMENT.—The  
18                 Secretary of Defense shall establish the database re-  
19                 quired by section 1406 of the John Warner National  
20                 Defense Authorization Act for Fiscal Year 2007, as  
21                 amended by subsection (a), by not later than one  
22                 year after the date of the enactment of this Act.

23                 (2) USE OF EXISTING DATABASE OR SYSTEM  
24                 FOR CERTAIN CAPABILITIES.—The Secretary may  
25                 meet the requirement with respect to the capabilities

1 described in subsection (a)(1) of section 1406 of the  
2 John Warner National Defense Authorization Act  
3 for Fiscal Year 2007, as so amended, in connection  
4 with the database required by that section through  
5 the use or modification of current databases and  
6 tracking systems of the Department of Defense, in-  
7 cluding the Defense Readiness Reporting System, if  
8 the Secretary determines that such action will—

9 (A) expedite compliance with the require-  
10 ment; and

11 (B) achieve such compliance at a cost not  
12 greater than the cost of establishing anew the  
13 database otherwise covered by the requirement.

14 **SEC. 1085. DISCLOSURE REQUIREMENTS FOR UNITED**  
15 **STATES-BASED FOREIGN MEDIA OUTLETS.**

16 Title VII of the Communications Act of 1934 (47  
17 U.S.C. 601 et seq.) is amended by adding at the end the  
18 following:

19 **“SEC. 722. DISCLOSURE REQUIREMENTS FOR UNITED**  
20 **STATES-BASED FOREIGN MEDIA OUTLETS.**

21 **“(a) REPORTS BY OUTLETS TO COMMISSION.—**Not  
22 later than 60 days after the date of the enactment of this  
23 section, and not less frequently than every 6 months there-  
24 after, a United States-based foreign media outlet shall

1 submit to the Commission a report that contains the fol-  
2 lowing information:

3           “(1) The name of such outlet.

4           “(2) A description of the relationship of such  
5 outlet to the foreign principal of such outlet, includ-  
6 ing a description of the legal structure of such rela-  
7 tionship and any funding that such outlet receives  
8 from such principal.

9           “(b) REPORTS BY COMMISSION TO CONGRESS.—Not  
10 later than 90 days after the date of the enactment of this  
11 section, and not less frequently than every 6 months there-  
12 after, the Commission shall transmit to Congress a report  
13 that summarizes the contents of the reports submitted by  
14 United States-based foreign media outlets under sub-  
15 section (a) during the preceding 6-month period.

16           “(c) PUBLIC AVAILABILITY.—The Commission shall  
17 make publicly available on the internet website of the  
18 Commission each report submitted by a United States-  
19 based foreign media outlet under subsection (a) not later  
20 than the earlier of—

21           “(1) the date that is 30 days after the outlet  
22 submits the report to the Commission; or

23           “(2) the date on which the Commission trans-  
24 mits to Congress under subsection (b) the report  
25 covering the 6-month period during which the report

1 of the outlet was submitted to the Commission  
2 under subsection (a).

3 “(d) DEFINITIONS.—In this section:

4 “(1) FOREIGN PRINCIPAL.—The term ‘foreign  
5 principal’ has the meaning given such term in sec-  
6 tion 1(b)(1) of the Foreign Agents Registration Act  
7 of 1938 (22 U.S.C. 611(b)(1)).

8 “(2) UNITED STATES-BASED FOREIGN MEDIA  
9 OUTLET.—The term ‘United States-based foreign  
10 media outlet’ means an entity that—

11 “(A) produces or distributes video pro-  
12 gramming (as defined in section 602) that is  
13 transmitted, or intended for transmission, by a  
14 multichannel video programming distributor (as  
15 defined in such section) to consumers in the  
16 United States; and

17 “(B) would be an agent of a foreign prin-  
18 cipal (as defined in paragraph (1)) for purposes  
19 of the Foreign Agents Registration Act of 1938  
20 (22 U.S.C. 611 et seq.) but for section 1(d) of  
21 such Act (22 U.S.C. 611(d)).”.

22 **SEC. 1086. UNITED STATES POLICY WITH RESPECT TO**  
23 **FREEDOM OF NAVIGATION AND OVERFLIGHT.**

24 (a) DECLARATION OF POLICY.—It is the policy of the  
25 United States to fly, sail, and operate throughout the

1 oceans, seas, and airspace of the world wherever inter-  
2 national law allows.

3 (b) IMPLEMENTATION OF POLICY.—In furtherance of  
4 the policy set forth in subsection (a), the Secretary of De-  
5 fense should—

6 (1) plan and execute a robust series of routine  
7 and regular air and naval presence missions  
8 throughout the world and throughout the year, in-  
9 cluding for critical transportation corridors and key  
10 routes for global commerce;

11 (2) in addition to the missions executed pursu-  
12 ant to paragraph (1), execute routine and regular  
13 air and maritime freedom of navigation operations  
14 throughout the year, in accordance with inter-  
15 national law, including, but not limited to, maneu-  
16 vers beyond innocent passage; and

17 (3) to the maximum extent practicable, execute  
18 the missions pursuant to paragraphs (1) and (2)  
19 with regional partner countries and allies of the  
20 United States.

21 **SEC. 1087. NATIONAL COMMISSION ON MILITARY AVIATION**

22 **SAFETY.**

23 (a) ESTABLISHMENT; PURPOSE.—

24 (1) ESTABLISHMENT.—There is established the  
25 National Commission on Military Aviation Safety (in

1       this section referred to as the “Commission”). The  
2       Commission shall be considered an independent es-  
3       tablishment of the Federal Government as defined  
4       by section 104 of title 5, United States Code, and  
5       a temporary organization under section 3161 of such  
6       title.

7               (2) PURPOSE.—The purpose of the Commission  
8       is to examine and make recommendations with re-  
9       spect to certain United States military aviation mis-  
10      haps.

11      (b) MEMBERSHIP.—

12              (1) COMPOSITION.—The Commission shall be  
13      composed of eight members, of whom—

14              (A) four shall be appointed by the Presi-  
15      dent;

16              (B) one shall be appointed by the Chair-  
17      man of the Committee on Armed Services of  
18      the Senate;

19              (C) one shall be appointed by the Ranking  
20      Member of the Committee on Armed Services of  
21      the Senate;

22              (D) one shall be appointed by the Chair-  
23      man of the Committee on Armed Services of  
24      the House of Representatives; and

1           (E) one shall be appointed by the Ranking  
2           Member of the Committee on Armed Services of  
3           the House of Representatives.

4           (2) APPOINTMENT DATE.—The appointments of  
5           the members of the Commission shall be made not  
6           later than 90 days after the date of the enactment  
7           of this Act.

8           (3) EFFECT OF LACK OF APPOINTMENT BY AP-  
9           POINTMENT DATE.—If one or more appointments  
10          under subparagraph (A) of paragraph (1) is not  
11          made by the appointment date specified in para-  
12          graph (2), the authority to make such appointment  
13          or appointments shall expire, and the number of  
14          members of the Commission shall be reduced by the  
15          number equal to the number of appointments so not  
16          made. If an appointment under subparagraph (B),  
17          (C), (D), or (E) of paragraph (1) is not made by the  
18          appointment date specified in paragraph (2), the au-  
19          thority to make an appointment under such subpara-  
20          graph shall expire, and the number of members of  
21          the Commission shall be reduced by the number  
22          equal to the number otherwise appointable under  
23          such subparagraph.

24          (4) EXPERTISE.—In making appointments  
25          under this subsection, consideration should be given

1 to individuals with expertise in military aviation  
2 training, aviation technology, military aviation oper-  
3 ations, aircraft sustainment and repair, aviation per-  
4 sonnel policy, aerospace physiology, and reserve com-  
5 ponent policy.

6 (5) PERIOD OF APPOINTMENT; VACANCIES.—  
7 Members shall be appointed for the life of the Com-  
8 mission. Any vacancy in the Commission shall not  
9 affect its powers, but shall be filled in the same  
10 manner as the original appointment.

11 (6) CHAIR AND VICE CHAIR.—The Commission  
12 shall select a Chair and Vice Chair from among its  
13 members. The Chair may not be a Federal officer or  
14 employee.

15 (7) STATUS AS FEDERAL EMPLOYEES.—Not-  
16 withstanding the requirements of section 2105 of  
17 title 5, United States Code, including the required  
18 supervision under subsection (a)(3) of such section,  
19 the members of the Commission shall be deemed to  
20 be Federal employees.

21 (8) PAY FOR MEMBERS.—

22 (A) IN GENERAL.—Except for the Chair,  
23 each member of the Commission who is not an  
24 officer or employee of the Federal government  
25 shall be paid at a rate equal to the daily equiva-

1           lent of the annual rate of basic pay payable for  
2           level IV of the Executive Schedule under section  
3           5315 of title 5, United States Code, for each  
4           day (including travel time) during which the  
5           member is engaged in the actual performance of  
6           duties vested in the Commission. All members  
7           of the Commission who are officers or employ-  
8           ees of the United States shall serve without  
9           compensation in addition to that received for  
10          their services as officers or employees of the  
11          United States.

12           (B) CHAIR.—The Chair of the Commission  
13          shall be paid at a rate equal to the daily equiva-  
14          lent of the annual rate of basic pay payable for  
15          level III of the Executive Schedule under sec-  
16          tion 5314, of title 5, United States Code, for  
17          each day (including travel time) during which  
18          the member is engaged in the actual perform-  
19          ance of duties vested in the Commission.

20           (C) TRAVEL EXPENSES.—The members of  
21          the Commission shall be allowed travel ex-  
22          penses, including per diem in lieu of subsist-  
23          ence, at rates authorized for employees of agen-  
24          cies under subchapter I of chapter 57 of title 5,  
25          United States Code, while away from their

1 homes or regular places of business in the per-  
2 formance of services for the Commission.

3 (c) ADDITIONAL STAFF.—

4 (1) EXECUTIVE DIRECTOR.—

5 (A) APPOINTMENT.—The Commission  
6 shall appoint and fix the rate of basic pay for  
7 an Executive Director in accordance with sec-  
8 tion 3161 of title 5, United States Code.

9 (B) LIMITATIONS.—The individual ap-  
10 pointed to serve as Executive Director may not  
11 have served on active duty in the Armed Forces  
12 or as a civilian employee of the Department of  
13 Defense during the one-year period preceding  
14 the date of such appointment.

15 (2) COMMISSION STAFF.—The Executive Direc-  
16 tor, with the approval of the Commission, may ap-  
17 point and fix the rate of basic pay for additional per-  
18 sonnel as staff of the Commission in accordance with  
19 section 3161 of title 5, United States Code.

20 (3) DETAILEES.—Not more than half of the  
21 personnel employed by or detailed to the Commission  
22 may be on detail from the Department of Defense  
23 and other Federal departments or agencies.

24 (d) MEETINGS.—

1           (1) IN GENERAL.—The Commission shall meet  
2           at the call of the Chair.

3           (2) INITIAL MEETING.—Not later than 30 days  
4           after the date on which all members of the Commis-  
5           sion are required to have been appointed under sub-  
6           section (b)(2), the Commission shall hold its initial  
7           meeting.

8           (3) QUORUM.—A majority of the members of  
9           the Commission shall constitute a quorum, but a  
10          lesser number of members may hold hearings.

11          (e) SPACE FOR COMMISSION.—Not later than 90  
12          days after the date of the enactment of this Act, the Ad-  
13          ministrators of General Services, in consultation with the  
14          Secretary of Defense, shall identify and make available  
15          suitable excess space within the Federal space inventory  
16          to house the operations of the Commission. If the Admin-  
17          istrator is not able to make such suitable excess space  
18          available within such 90-day period, the Commission may  
19          lease space to the extent that funds are available for such  
20          purpose.

21          (f) CONTRACTING AUTHORITY.—The Commission  
22          may enter into contracts for the acquisition of administra-  
23          tive supplies and equipment for use by the Commission,  
24          to the extent that funds are available for such purpose.

1 (g) PROCUREMENT OF TEMPORARY AND INTERMIT-  
2 TENT SERVICES.—The Chair of the Commission may pro-  
3 cure temporary and intermittent services under section  
4 3109(b) of title 5, United States Code, at rates for individ-  
5 uals which do not exceed the daily equivalent of the annual  
6 rate of basic pay prescribed for level V of the Executive  
7 Schedule under section 5316 of such title.

8 (h) DUTIES.—

9 (1) STUDY ON MILITARY AVIATION SAFETY.—  
10 The Commission shall undertake a comprehensive  
11 study of United States military aviation mishaps  
12 that occurred between fiscal years 2013 and 2018 in  
13 order—

14 (A) to assess the rates of military aviation  
15 mishaps between fiscal years 2013 and 2018  
16 compared to historic aviation mishap rates;

17 (B) to make an assessment of the under-  
18 lying causes contributing to the unexplained  
19 physiological effects;

20 (C) to make an assessment of causes con-  
21 tributing to delays in aviation maintenance and  
22 limiting operational availability of aircraft;

23 (D) to make an assessment of the causes  
24 contributing to military aviation mishaps; and

1           (E) to make recommendations on the  
2           modifications, if any, of safety, training, main-  
3           tenance, personnel, or other policies related to  
4           military aviation safety.

5           (2) REPORT.—Not later than March 1, 2020,  
6           the Commission shall submit to the President and  
7           the congressional defense committees a report set-  
8           ting forth a detailed statement of the findings and  
9           conclusions of the Commission as a result of the  
10          study required by paragraph (1), together with the  
11          recommendations of the Commission for such legisla-  
12          tive and administrative actions as the Commission  
13          considers appropriate in light of the results of the  
14          study.

15          (i) POWERS.—

16               (1) HEARINGS.—The Commission may hold  
17               such hearings, sit and act at such times and places,  
18               take such testimony, and receive such evidence as  
19               the Commission considers advisable to carry out its  
20               duties under this subtitle.

21               (2) INFORMATION FROM DEPARTMENT.—The  
22               Commission may secure directly from any element of  
23               the Department of Defense such information as the  
24               Commission considers necessary to carry out its du-  
25               ties under this subtitle. Upon request of the Chair

1 of the Commission, the head of such element shall  
2 furnish such information to the Commission.

3 (j) PROTECTION OF PRIVILEGED SAFETY INFORMA-  
4 TION.—

5 (1) REQUEST OF INFORMATION.—The Commis-  
6 sion may request privileged safety information from  
7 the Department of Defense.

8 (2) TREATMENT OF INFORMATION.—Any privi-  
9 leged safety information provided to the Commission  
10 by the Department of Defense shall be handled by  
11 the Commission as though the Commission were a  
12 non-Department of Defense Federal Government  
13 agency under Enclosure 5, Section 8, of Department  
14 of Defense Instruction 6055.07, Mishap Notifica-  
15 tion, Investigation, Reporting, and Record Keeping.

16 (3) PROHIBITION ON USE OF INFORMATION IN  
17 PUBLIC HEARINGS.—No privileged safety informa-  
18 tion shall be allowed in any public hearing of the  
19 Commission. The Commission may only consider  
20 privileged safety information in camera, and no  
21 record of the proceedings of the Commission may in-  
22 clude privileged safety information.

23 (4) PROHIBITION ON PUBLICATION.—Any privi-  
24 leged safety information secured by the Commission  
25 from the Department of Defense—

1 (A) may not be published or revealed to  
2 anyone outside the Commission;

3 (B) may not be retained but shall be re-  
4 turned to the originating Department of De-  
5 fense organization; and

6 (C) may not be included in any Commis-  
7 sion report.

8 (5) USE OF AGGREGATED DATA.—Aggregated  
9 data based on privileged safety information or infor-  
10 mation that has been completely sanitized in accord-  
11 ance with Department of Defense Instruction  
12 6055.07, such that individual mishaps are not iden-  
13 tifiable, may be included in the report produced by  
14 the Commission.

15 (6) DEFINITION OF PRIVILEGED SAFETY IN-  
16 FORMATION.—In this subsection, the term “privi-  
17 leged safety information” has the meaning given it  
18 in Department of Defense Instruction 6055.07,  
19 dated June 6, 2011.

20 (k) TERMINATION.—The Commission shall terminate  
21 90 days after the date on which the Commission submits  
22 the report required under subsection (h)(2).

23 (l) AUTHORIZATION OF APPROPRIATIONS.—Of the  
24 amounts authorized to be appropriated for fiscal year  
25 2019, as identified in division D of this Act, \$5,000,000

1 shall be available for the National Commission on Aviation  
2 Safety.

3 **SEC. 1088. SENSE OF CONGRESS REGARDING THE INTER-**  
4 **NATIONAL BORDERS OF THE UNITED STATES.**

5 It is the sense of Congress that—

6 (1) gaining and maintaining situational aware-  
7 ness and operational control of the international bor-  
8 ders of the United States is critical to national secu-  
9 rity;

10 (2) the United States Government must devote  
11 adequate resources to securing the border, both at,  
12 and between, ports of entry, and the agency tasked  
13 with that mission, the Department of Homeland Se-  
14 curity, should be adequately resourced to conduct  
15 such mission; and

16 (3) the Department of Defense must ensure  
17 that when it acts in support of that mission, such  
18 as when mobilized by the President to conduct  
19 homeland defense activities, or when military facili-  
20 ties are adjacent to an international border of the  
21 United States, it has adequate resources, capabili-  
22 ties, and authorities to carry out the mission while  
23 maintaining combat readiness.

1 **SEC. 1089. POLICY ON RESPONSE TO JUVENILE-ON-JUVE-**  
2 **NILE PROBLEMATIC SEXUAL BEHAVIOR COM-**  
3 **MITTED ON MILITARY INSTALLATIONS.**

4 (a) **POLICY REQUIRED.**—The Secretary of Defense  
5 shall establish a policy, applicable across the military in-  
6 stallations of the Department of Defense (including instal-  
7 lations outside the United States), on the response of the  
8 Department to allegations of juvenile-on-juvenile problem-  
9 atic sexual behavior on military installations. The policy  
10 shall be designed to ensure a consistent, standardized re-  
11 sponse to such allegations across the Department.

12 (b) **ELEMENTS.**—The policy required by this section  
13 shall provide for the following:

14 (1) Any report or other allegation of juvenile-  
15 on-juvenile problematic sexual behavior on a military  
16 installation that is received by the installation com-  
17 mander, a law enforcement organization, a Family  
18 Advocacy Program, a child development center, a  
19 military treatment facility, or a Department school  
20 operating on the installation or otherwise under De-  
21 partment administration for the installation shall be  
22 reviewed by the Family Advocacy Program of the in-  
23 stallation.

24 (2) Personnel of Family Advocacy Programs  
25 conducting reviews shall have appropriate training  
26 and experience in working with juveniles.

1           (3) Family Advocacy Programs conducting re-  
2 views shall conduct a multi-faceted, multi-discipli-  
3 nary review and recommend treatment, counseling,  
4 or other appropriate interventions for complainants  
5 and respondents.

6           (4) Each review shall be conducted—

7                 (A) with full involvement of appropriate  
8 authorities and entities, including parents or  
9 legal guardians of the juveniles involved (if  
10 practicable); and

11                (B) to the extent practicable, in a manner  
12 that protects the sensitive nature of the inci-  
13 dent concerned, using language appropriate to  
14 the treatment of juveniles in written policies  
15 and communication with families.

16           (5) The requirement for investigation of a re-  
17 port or other allegation shall not be deemed to ter-  
18minate or alter any otherwise applicable requirement  
19 to report or forward the report or allegation to ap-  
20propriate Federal, State, or local authorities as pos-  
21sible criminal activity.

22           (6) There shall be established and maintained a  
23 centralized database of information on each incident  
24 of problematic sexual behavior that is reviewed by a

1 Family Advocacy Program under the policy estab-  
2 lished under this section, with—

3 (A) the information in such database kept  
4 strictly confidential; and

5 (B) because the information involves al-  
6 leged conduct by juveniles, additional special  
7 precautions taken to ensure the information is  
8 available only to persons who require access to  
9 the information.

10 (7) There shall be entered into the database,  
11 for each substantiated or unsubstantiated incident of  
12 problematic sexual behavior, appropriate information  
13 on the incident, including—

14 (A) a description of the allegation;

15 (B) whether or not the review is com-  
16 pleted;

17 (C) whether or not the incident was sub-  
18 ject to an investigation by a law enforcement  
19 organization or entity, and the status and re-  
20 sults of such investigation; and

21 (D) whether or not action was taken in re-  
22 sponse to the incident, and the nature of the  
23 action, if any, so taken.

1 **SEC. 1090. RECOGNITION OF AMERICA'S VETERANS.**

2 (a) AUTHORIZATION OF SUPPORT.—In order to  
3 honor American veterans, including American veterans of  
4 past wars that the Secretary of Defense determines have  
5 not received appropriate recognition, the Secretary may  
6 provide such support as the Secretary determines is appro-  
7 priate for a parade to be carried out in the District of  
8 Columbia. In providing support under this subsection, the  
9 Secretary may expend funds for the display of small arms  
10 and munitions appropriate for customary ceremonial hon-  
11 ors and for the participation of military units that perform  
12 customary ceremonial duties.

13 (b) PROHIBITION.—In providing support for a parade  
14 as described in subsection (a), the Secretary may not ex-  
15 pend funds to provide motorized vehicles, aviation plat-  
16 forms, munitions other than the munitions specifically de-  
17 scribed in subsection (a), operational military units, or  
18 operational military platforms if the Secretary determines  
19 that providing such units, platforms, or equipment would  
20 undermine the readiness of such units, platforms, or  
21 equipment.

22 **SEC. 1091. PROHIBITION OF FUNDS FOR CHINESE LAN-**  
23 **GUAGE INSTRUCTION PROVIDED BY A CON-**  
24 **FUCIUS INSTITUTE.**

25 (a) PROHIBITION.—None of the funds authorized to  
26 be appropriated by this Act or otherwise made available

1 for the Department of Defense may be obligated or ex-  
2 pended for Chinese language instruction provided by a  
3 Confucius Institute.

4 (b) LIMITATION.—None of the funds authorized to  
5 be appropriated by this Act or otherwise made available  
6 for the Department of Defense may be obligated or ex-  
7 pended to support a Chinese language program at an in-  
8 stitution of higher education that hosts a Confucius Insti-  
9 tute.

10 (c) WAIVER.—The Under Secretary of Defense for  
11 Personnel and Readiness may waive the limitation in sub-  
12 section (b) with respect to a Chinese language program  
13 at a specific institution of higher education if the Under  
14 Secretary of Defense for Personnel and Readiness—

15 (1) certifies to the congressional defense com-  
16 mittees that—

17 (A) Confucius Institute employees and in-  
18 structors will provide no instruction or edu-  
19 cational support to the program;

20 (B) Confucius Institute employees and in-  
21 structors will have no authority with regard to  
22 the curriculum and activities of the program;  
23 and

24 (C) the institution has made available to  
25 the Department of Defense all memoranda of

1           understanding, contracts, and other agreements  
2           between the institution and the Confucius Insti-  
3           tute, or between the institution and any agency  
4           of or organization affiliated with the govern-  
5           ment of the People’s Republic of China; or

6           (2) certifies to the congressional defense com-  
7       mittees that—

8                   (A) the requirements described in subpara-  
9                   graphs (A) and (B) of paragraph (1) have been  
10                  met; and

11                   (B) the waiver of the limitation in sub-  
12                   section (b) is necessary for national security,  
13                   and there is no reasonable alternative to issuing  
14                  the waiver.

15       (d) DEFINITIONS.—

16           (1) CHINESE LANGUAGE PROGRAM.—The term  
17       “Chinese language program” means any Depart-  
18       ment of Defense program designed to provide or  
19       support Chinese language instruction, including the  
20       National Security Education Program, the Lan-  
21       guage Flagship program, Project Global Officer, and  
22       the Language Training Centers program.

23           (2) CONFUCIUS INSTITUTE.—The term “Confu-  
24       cius Institute” means a Confucius Institute that is  
25       operated by the Office of Chinese Languages Council

1 International, also known as Hanban, which is affili-  
2 ated with the Ministry of Education of the People’s  
3 Republic of China.

4 (3) INSTITUTION OF HIGHER EDUCATION.—The  
5 term “institution of higher education” has the  
6 meaning given the term in section 101 of the Higher  
7 Education Act of 1965 (20 U.S.C. 1001 et seq.).

8 (e) RULE OF CONSTRUCTION.—The prohibition  
9 under subsection (a) and the limitation under subsection  
10 (b) shall not apply to an institution of higher education  
11 by reason that the institution funds or sponsors an event  
12 or activity, regardless of any affiliation of any individual  
13 who participates in the event or activity, and nothing shall  
14 be construed to prohibit funding for other programs, re-  
15 search or other activities at an institution that hosts a  
16 Confucius institute.

17 **SEC. 1092. DEPARTMENT OF DEFENSE ENGAGEMENT WITH**  
18 **CERTAIN NONPROFIT ENTITIES IN SUPPORT**  
19 **OF MISSIONS OF DEPLOYED UNITED STATES**  
20 **PERSONNEL AROUND THE WORLD.**

21 (a) FINDING.—Congress finds that Spirit of America,  
22 a privately-funded, nonpartisan, nonprofit organization,  
23 acting in partnership with the Department of Defense, has  
24 made an important contribution in supporting the mis-

1 sions of deployed United States personnel around the  
2 world.

3 (b) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that United States military commanders should,  
5 consistent with applicable laws, regulations, and guidance  
6 developed consistent with section 1088 of the National De-  
7 fense Authorization Act for Fiscal Year 2018 (Public Law  
8 115–91; 131 Stat. 1605; 10 U.S.C. 113 note), engage with  
9 and provide logistical support to covered non-Federal enti-  
10 ties, including Spirit of America, to advance the military  
11 missions of the Armed Forces.

12 (c) REPORT.—

13 (1) IN GENERAL.—Not later than one year  
14 after the date of the enactment of this Act, the Sec-  
15 retary of Defense, with the concurrence of the Sec-  
16 retary of State, shall submit to the appropriate com-  
17 mittees of Congress a report on Department engage-  
18 ment with covered non-Federal entities.

19 (2) ELEMENTS.—The report required by para-  
20 graph (1) shall include the following:

21 (A) A description of the engagements of  
22 the Department with covered non-Federal enti-  
23 ties during the 3-year period immediately pre-  
24 ceding the date on which the report is sub-  
25 mitted.

1           (B) An evaluation of the implementation of  
2           the guidance of the Department applicable to  
3           Department engagements with covered non-  
4           Federal entities, including any guidance issued  
5           pursuant to section 1088 of the National De-  
6           fense Authorization Act for Fiscal Year 2018.

7           (C) Recommendations, if any, of the Sec-  
8           retary of Defense and the Secretary of State for  
9           improving the capacity and effectiveness of the  
10          Department to engage with covered non-Federal  
11          entities.

12         (d) DEFINITIONS.—In this section:

13           (1) APPROPRIATE COMMITTEES OF CON-  
14           GRESS.—The term “appropriate committees of Con-  
15           gress” means—

16                 (A) the Committee on Armed Services and  
17                 the Committee on Foreign Relations of the Sen-  
18                 ate; and

19                 (B) the Committee on Armed Services and  
20                 the Committee on Foreign Affairs of the House  
21                 of Representatives.

22           (2) COVERED NON-FEDERAL ENTITY.—The  
23           term “covered non-Federal entity” means an organi-  
24           zation that—

25                 (A) is based in the United States;

- 1 (B) has an independent board of directors  
2 and is subject to independent financial audits;  
3 (C) is substantially privately-funded;  
4 (D) is described in section 501(c)(3) of the  
5 Internal Revenue Code of 1986 and is exempt  
6 from taxation under section 501(a) of such  
7 Code; and  
8 (E) provides international assistance.

9 **TITLE XI—CIVILIAN PERSONNEL**  
10 **MATTERS**

- Sec. 1101. Direct hire authority for the Department of Defense for certain competitive service positions.
- Sec. 1102. Modification of direct hire authority for the Department of Defense for post-secondary students and recent graduates.
- Sec. 1103. Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan.
- Sec. 1104. One-year extension and expansion of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas.
- Sec. 1105. Extension of authority to conduct telework travel expenses test programs.
- Sec. 1106. Personnel demonstration projects.
- Sec. 1107. Expanded flexibility in selecting candidates from referral lists.
- Sec. 1108. Expedited hiring authority for college graduates and post secondary students.
- Sec. 1109. Inapplicability of certification of executive qualifications by qualification review boards of Office of Personnel Management for initial appointments to Senior Executive Service positions in Department of Defense.
- Sec. 1110. Engagement with Historically Black Colleges and Universities and minority-serving institutions for the purposes of technical workforce enhancement.
- Sec. 1111. Inclusion of Strategic Capabilities Office and Defense Innovation Unit Experimental of the Department of Defense in personnel management authority to attract experts in science and engineering.
- Sec. 1112. Enhancement of flexible management authorities for science and technology reinvention laboratories of the Department of Defense.
- Sec. 1113. Inclusion of Office of Secretary of Defense among components of the Department of Defense covered by direct hire authority for financial management experts.

Sec. 1114. Alcohol testing of civil service mariners of the Military Sealift Command assigned to vessels.

Sec. 1115. One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone.

1 **SEC. 1101. DIRECT HIRE AUTHORITY FOR THE DEPART-**  
2 **MENT OF DEFENSE FOR CERTAIN COMPETI-**  
3 **TIVE SERVICE POSITIONS.**

4 (a) IN GENERAL.—Chapter 99 of title 5, United  
5 States Code, is amended by adding at the end the fol-  
6 lowing:

7 **“§ 9905. Direct hire authority for certain personnel of**  
8 **the Department of Defense**

9 “(a) IN GENERAL.—The Secretary of Defense may  
10 appoint, without regard to the provisions of subchapter I  
11 of chapter 33 (other than sections 3303 and 3328 of such  
12 chapter), qualified candidates to any of the following posi-  
13 tions in the competitive service in the Department of De-  
14 fense:

15 “(1) Any position involved with Department  
16 maintenance activities, including depot-level mainte-  
17 nance and repair.

18 “(2) Any position involved with cybersecurity.

19 “(3) Any individual in the acquisition workforce  
20 that manages any services contracts necessary to the  
21 operation and maintenance of programs of the De-  
22 partment.

1           “(4) Any science, technology, or engineering po-  
2           sition, including any such position at the Major  
3           Range and Test Facilities Base, in order to allow de-  
4           velopment of new systems and provide for the main-  
5           tenance of legacy systems.

6           “(b) SUNSET.—Effective on September 30, 2025, the  
7           authority provided under subsection (a) shall expire.”.

8           (b) CLERICAL AMENDMENT.—The table of sections  
9           at the beginning of chapter 99 of such title is amended  
10          by inserting after the item relating to section 9904 the  
11          following new item:

          “9905. Direct hire authority for certain personnel of the De-  
          fense.”.

12       **SEC. 1102. MODIFICATION OF DIRECT HIRE AUTHORITY**  
13                               **FOR THE DEPARTMENT OF DEFENSE FOR**  
14                               **POST-SECONDARY STUDENTS AND RECENT**  
15                               **GRADUATES.**

16          Section 1106 of the National Defense Authorization  
17          Act for Fiscal Year 2017 (Public Law 114–328) is amend-  
18          ed—

19               (1) in subsection (b), by striking “15 percent”  
20               and inserting “25 percent”; and

21               (2) in subsection (d), by striking “September  
22               30, 2021” and inserting “September 30, 2025”.

1 **SEC. 1103. EXTENSION OF OVERTIME RATE AUTHORITY**  
2 **FOR DEPARTMENT OF THE NAVY EMPLOYEES**  
3 **PERFORMING WORK ABOARD OR DOCKSIDE**  
4 **IN SUPPORT OF THE NUCLEAR-POWERED**  
5 **AIRCRAFT CARRIER FORWARD DEPLOYED IN**  
6 **JAPAN.**

7 Section 5542(a)(6)(B) of title 5, United States Code,  
8 is amended by striking “September 30, 2019” and insert-  
9 ing “September 30, 2021”.

10 **SEC. 1104. ONE-YEAR EXTENSION AND EXPANSION OF AU-**  
11 **THORITY TO WAIVE ANNUAL LIMITATION ON**  
12 **PREMIUM PAY AND AGGREGATE LIMITATION**  
13 **ON PAY FOR FEDERAL CIVILIAN EMPLOYEES**  
14 **WORKING OVERSEAS.**

15 (a) IN GENERAL.—Section 1101(a) of the Duncan  
16 Hunter National Defense Authorization Act for Fiscal  
17 Year 2009 (Public Law 110–417; 122 Stat. 4615), as  
18 most recently amended by section 1105 of the National  
19 Defense Authorization Act for Fiscal Year 2018 (Public  
20 Law 115–91), is amended by striking “through 2018” and  
21 inserting “through 2019”.

22 (b) APPLICABILITY OF AGGREGATE LIMITATION ON  
23 PAY.—Section 1101(b) of the Duncan Hunter National  
24 Defense Authorization Act for Fiscal Year 2009 (Public  
25 Law 110–417; 122 Stat. 4615) is amended to read as fol-  
26 lows:

1           “(b) APPLICABILITY OF AGGREGATE LIMITATION ON  
2 PAY.—In applying section 5307 of title 5, United States  
3 Code, any payment in addition to basic pay for a period  
4 of time during which a waiver under subsection (a) is in  
5 effect shall not be counted as part of an employee’s aggre-  
6 gate compensation for the given calendar year.”.

7           (c) EFFECTIVE DATE.—The amendments made by  
8 this section shall take effect on the date of the enactment  
9 of this Act.

10 **SEC. 1105. EXTENSION OF AUTHORITY TO CONDUCT**  
11                           **TELEWORK TRAVEL EXPENSES TEST PRO-**  
12                           **GRAMS.**

13           (a) IN GENERAL.—Section 5711(g) of title 5, United  
14 States Code, is amended by striking “7 years after the  
15 date of the enactment of the Telework Enhancement Act  
16 of 2010” and inserting “on December 31, 2020”.

17           (b) EFFECTIVE DATE.—The amendment made by  
18 subsection (a) shall take effect as though enacted on De-  
19 cember 1, 2017.

20 **SEC. 1106. PERSONNEL DEMONSTRATION PROJECTS.**

21           Section 4703 of title 5, United States Code, is  
22 amended—

23                   (1) in subsection (d), by striking paragraph (2)  
24                   and inserting the following:

1           “(2)(A) Except as provided in subparagraph  
2           (B), not more than 10 active demonstration projects  
3           may be in effect at any time.

4           “(B) Any demonstration project authorized  
5           under this section that is active for a period  
6           greater than 10 years shall not count for pur-  
7           poses of applying the limitation in subpara-  
8           graph (A).”; and

9           (2) by adding at the end the following:

10          “(j) Each agency at which a demonstration project  
11          authorized by this section is ongoing shall submit an an-  
12          nual report to the Office of Personnel Management, the  
13          Office and Management and Budget, the Committee on  
14          Homeland Security and Governmental Affairs of the  
15          United States Senate, and the Committee on Oversight  
16          and Government Reform of the United States House of  
17          Representatives that includes—

18               “(1) the aggregate performance appraisal rat-  
19               ings and compensation costs for employees under a  
20               demonstration project;

21               “(2) an assessment of the results of the dem-  
22               onstration project, including its impact on mission  
23               goals, employee recruitment, retention, and satisfac-  
24               tion, and which may include the results of the survey  
25               authorized under section 1128 of the National De-

1       fense Authorization Act for Fiscal Year 2004 (Pub-  
2       lic Law 108–136; 5 U.S.C. 7101 note), commonly  
3       referred to as the Federal Employee Viewpoint Sur-  
4       vey, and performance management for employees;  
5       and

6               “(3) a comparison of the items listed in (1) and  
7       (2) with employees not covered by the demonstration  
8       project.”.

9       **SEC. 1107. EXPANDED FLEXIBILITY IN SELECTING CAN-**  
10               **DIDATES FROM REFERRAL LISTS.**

11       (a) **EXPANDED FLEXIBILITY.**—Subchapter I of chap-  
12       ter 33 of title 5, United States Code, is amended by strik-  
13       ing sections 3317 and 3318 and inserting the following:

14       **“§ 3317. Competitive service; certification using nu-**  
15               **merical ratings**

16       “(a) **CERTIFICATION.**—

17               “(1) **IN GENERAL.**—The Director of the Office  
18       of Personnel Management, or the head of an agency  
19       to which the Director has delegated examining au-  
20       thority under section 1104(a)(2), shall certify a suf-  
21       ficient number of names from the top of the appro-  
22       priate register or list of eligibles, as determined pur-  
23       suant to regulations prescribed under subsection (c),  
24       and provide a certificate with such names to an ap-  
25       pointing authority that has requested a certificate of

1 eligibles to consider when filling a job in the com-  
2 petitive service.

3 “(2) MINIMUM NUMBER OF NAMES CER-  
4 TIFIED.—Unless otherwise provided for in regula-  
5 tions prescribed under subsection (c), the number of  
6 names certified under paragraph (1) shall be not  
7 less than three.

8 “(b) DISCONTINUANCE OF CERTIFICATION.—When  
9 an appointing authority, for reasons considered sufficient  
10 by the Director or head of an agency, has three times con-  
11 sidered and passed over a preference eligible who was cer-  
12 tified from a register, the Director or head of any agency  
13 may discontinue certifying the preference eligible for ap-  
14 pointment. The Director or the head of an agency shall  
15 provide to such preference eligible notice of the intent to  
16 discontinue certifying such preference eligible prior to the  
17 discontinuance of certification.

18 “(c) REGULATIONS.—The Director shall prescribe  
19 regulations for the administration of this section. Such  
20 regulations shall include the establishment of mechanisms  
21 for identifying the eligibles who will be considered for each  
22 vacancy. Such mechanisms may include cut-off scores.

23 “(d) DEFINITION.—In this section, the term ‘Direc-  
24 tor’ means the Director of the Office of Personnel Man-  
25 agement.

1 **“§ 3318. Competitive service; selections using numer-**  
2 **ical ratings**

3 “(a) IN GENERAL.—An appointing authority shall se-  
4 lect for appointment from the eligibles certified for ap-  
5 pointment on a certificate furnished under section  
6 3317(a), unless objection to one or more of the individuals  
7 certified is made to, and sustained by, the Director of the  
8 Office of Personnel Management or the head of an agency  
9 to which the Director has delegated examining authority  
10 under section 1104(a)(2), for proper and adequate reason  
11 under regulations prescribed by the Director.

12 “(b) OTHER APPOINTING AUTHORITIES.—

13 “(1) IN GENERAL.—During the 240-day period  
14 beginning on the date of issuance of a certificate of  
15 eligibles under section 3317(a), an appointing au-  
16 thority other than the appointing authority request-  
17 ing the certificate (in this subsection referred to as  
18 the ‘other appointing authority’) may select an indi-  
19 vidual from that certificate in accordance with this  
20 subsection for an appointment to a position that  
21 is—

22 “(A) in the same occupational series as the  
23 position for which the certification of eligibles  
24 was issued (in this subsection referred to as the  
25 ‘original position’); and

1           “(B) at a similar grade level as the origi-  
2           nal position.

3           “(2) APPLICABILITY.—An appointing authority  
4           requesting a certificate of eligibles may share the  
5           certificate with another appointing authority only if  
6           the announcement of the original position provided  
7           notice that the resulting list of eligible candidates  
8           may be used by another appointing authority.

9           “(3) REQUIREMENTS.—The selection of an in-  
10          dividual under paragraph (1)—

11           “(A) shall be made in accordance with sub-  
12          section (a); and

13           “(B) subject to paragraph (4), may be  
14          made without any additional posting under sec-  
15          tion 3327.

16          “(4) INTERNAL NOTICE.—Before selecting an  
17          individual under paragraph (1), the other appointing  
18          authority shall—

19           “(A) provide notice of the available posi-  
20          tion to employees of the other appointing au-  
21          thority;

22           “(B) provide up to 10 business days for  
23          employees of the other appointing authority to  
24          apply for the position; and

1                   “(C) review the qualifications of employees  
2                   submitting an application.

3                   “(c) PASS OVER.—

4                   “(1) IN GENERAL.—Subject to subparagraph  
5                   (2), if an appointing authority proposes to pass over  
6                   a preference eligible certified for appointment under  
7                   subsection (a) and select an individual who is not a  
8                   preference eligible, the appointing authority shall file  
9                   written reasons with the Director or the head of the  
10                  agency for passing over the preference eligible. The  
11                  Director or the head of the agency shall make the  
12                  reasons presented by the appointing authority part  
13                  of the record of the preference eligible and may re-  
14                  quire the submission of more detailed information  
15                  from the appointing authority in support of the  
16                  passing over of the preference eligible. The Director  
17                  or the head of the agency shall determine the suffi-  
18                  ciency or insufficiency of the reasons submitted by  
19                  the appointing authority, taking into account any re-  
20                  sponse received from the preference eligible under  
21                  paragraph (2). When the Director or the head of the  
22                  agency has completed review of the proposed pass-  
23                  over of the preference eligible, the Director or the  
24                  head of the agency shall send its findings to the ap-

1 pointing authority and to the preference eligible. The  
2 appointing authority shall comply with the findings.

3 “(2) PREFERENCE ELIGIBLE INDIVIDUALS WHO  
4 HAVE A COMPENSABLE SERVICE-CONNECTED DIS-  
5 ABILITY.—In the case of a preference eligible de-  
6 scribed in section 2108(3)(C) who has a compen-  
7 sable service-connected disability of 30 percent or  
8 more, the appointing authority shall notify the Di-  
9 rector under paragraph (1) and, at the same time,  
10 notify the preference eligible of the proposed pass-  
11 over, of the reasons for the proposed pass-over, and  
12 of the individual’s right to respond to those reasons  
13 to the Director within 15 days of the date of the no-  
14 tification. The Director shall, before completing the  
15 review under paragraph (1), require a demonstration  
16 by the appointing authority that the notification was  
17 timely sent to the preference eligible’s last known  
18 address.

19 “(3) FURTHER CONSIDERATION NOT RE-  
20 QUIRED.—When a preference eligible, for reasons  
21 considered sufficient by the Director, or in the case  
22 of a preference eligible described in paragraph (1),  
23 by the head of an agency, has been passed over in  
24 accordance with this subsection for the same posi-  
25 tion, the appointing authority is not required to give

1 further consideration to that preference eligible while  
2 selecting from the same list for a subsequent ap-  
3 pointment to such position.

4 “(4) DELEGATION PROHIBITION.—In the case  
5 of a preference eligible described in paragraph (2),  
6 the functions of the Director under this subsection  
7 may not be delegated to an individual who is not an  
8 officer or employee of the Office of Personnel Man-  
9 agement.

10 “(d) SPECIAL RULE REGARDING REEMPLOYMENT  
11 LISTS.—When the names of preference eligibles are on a  
12 reemployment list appropriate for the position to be filled,  
13 an appointing authority may appoint from a register of  
14 eligibles established after examination only an individual  
15 who qualifies as a preference eligible under subparagraph  
16 (C), (D), (E), (F), or (G) of section 2108(3).

17 “(e) CONSIDERATION NOT REQUIRED.—In accord-  
18 ance with regulations prescribed by the Director, an ap-  
19 pointing officer is not required to consider an eligible who  
20 has been considered by the appointing officer for three  
21 separate appointments from the same or different certifi-  
22 cates for the same position.

23 “(f) REGULATIONS.—The Director shall prescribe  
24 regulations for the administration of this section.

1       “(d) DEFINITION.—In this section, the term ‘Direc-  
2 tor’ means the Director of the Office of Personnel Man-  
3 agement.”.

4       (b) CONFORMING AMENDMENTS.—Such subchapter  
5 is further amended—

6           (1) in section 3319—

7               (A) by amending the section heading to  
8 read as follows:

9       **“§ 3319. Competitive service; selection using category  
10 rating”; and**

11           (B) in subsection (c), by striking para-  
12 graph (6), redesignating paragraph (7) as para-  
13 graph (6), and amending paragraph (6) (as so  
14 redesignated) to read as follows:

15       “(6) PREFERENCE ELIGIBLES.—

16           “(A) SATISFACTION OF CERTAIN REQUIRE-  
17 MENTS.—Notwithstanding paragraphs (1) and  
18 (2), an appointing official may not pass over a  
19 preference eligible in the same category from  
20 which selection is made, unless the require-  
21 ments of sections 3317(b) and 3318(c), as ap-  
22 plicable, are satisfied.

23           “(B) FURTHER CONSIDERATION NOT RE-  
24 QUIRED.—When a preference eligible, for rea-  
25 sons considered sufficient by the Director, or in

1 the case of a preference eligible described in  
2 section 3318(c)(1), by the head of an agency,  
3 has been passed over in accordance with section  
4 3318(c) for the same position, the appointing  
5 authority is not required to give further consid-  
6 eration to that preference eligible while select-  
7 ing from the same list for a subsequent ap-  
8 pointment to such position.

9 “(C) LIST OF ELIGIBLES ISSUED FROM A  
10 STANDING REGISTER; DISCONTINUATION OF  
11 CERTIFICATION.—In the case of lists of eligibles  
12 issued from a standing register, when an ap-  
13 pointing authority, for reasons considered suffi-  
14 cient by the Director or the head of an agency,  
15 has three times considered and passed over a  
16 preference eligible who was certified from a reg-  
17 ister, certification of the preference eligible for  
18 appointment may be discontinued. However, the  
19 preference eligible is entitled to advance notice  
20 of discontinuance of certification in accordance  
21 with regulations prescribed by the Director.”;  
22 and

23 (2) in the first sentence of section 3320, by  
24 striking “sections 3308–3318” and inserting “sec-  
25 tions 3308 through 3319”.

1 (c) CLERICAL AMENDMENT.—The table of sections  
2 at the beginning of such chapter is amended by striking  
3 the items relating to sections 3317, 3318, and 3319 and  
4 inserting the following:

“3317. Competitive service; certification using numerical ratings

“3318. Competitive service; selection using numerical ratings

“3319. Competitive service; selection using category rating”.

5 (d) EFFECTIVE DATE.—

6 (1) IN GENERAL.—The amendments made by  
7 this section shall take effect on the date on which  
8 the Director of the Office of Personnel Management  
9 issues final regulations to implement sections 3317,  
10 3318, and 3319 of title 5, United States Code, as  
11 amended or added by this section.

12 (2) REGULATIONS REQUIRED.—The Director  
13 shall issue regulations under paragraph (1) not later  
14 than one year after the date of enactment of this  
15 section.

16 **SEC. 1108. EXPEDITED HIRING AUTHORITY FOR COLLEGE**  
17 **GRADUATES AND POST SECONDARY STU-**  
18 **DENTS.**

19 (a) IN GENERAL.—Subchapter I of chapter 31 of title  
20 5, United States Code, is amended by adding at the end  
21 the following:

22 **“§ 3115. Expedited hiring authority for college grad-**  
23 **uates; competitive service**

24 **“(a) DEFINITIONS.—In this section:**

1           “(1) DIRECTOR.—The term ‘Director’ means  
2           the Director of the Office of Personnel Management.

3           “(2) INSTITUTION OF HIGHER EDUCATION.—  
4           The term ‘institution of higher education’ has the  
5           meaning given the term in section 101(a) of the  
6           Higher Education Act of 1965 (20 U.S.C. 1001(a)).

7           “(b) APPOINTMENT.—

8           “(1) IN GENERAL.—The head of an agency may  
9           appoint, without regard to any provision of sections  
10          3309 through 3319 and 3330, a qualified individual  
11          to a position in the competitive service classified in  
12          a professional or administrative occupational cat-  
13          egory at the GS–11 level, or an equivalent level, or  
14          below.

15          “(2) RESTRICTIONS.—An appointment under  
16          paragraph (1) shall be made in accordance with reg-  
17          ulations prescribed by the Director.

18          “(c) QUALIFICATIONS FOR APPOINTMENT.—The  
19          head of an agency may make an appointment under sub-  
20          section (b) only if the individual being appointed—

21                  “(1) has received a baccalaureate or graduate  
22                  degree from an institution of higher education;

23                  “(2) applies for the position—

1           “(A) not later than 2 years after the date  
2           on which the individual being appointed re-  
3           ceived the degree described in paragraph (1); or

4           “(B) in the case of an individual who has  
5           completed a period of not less than 4 years of  
6           obligated service in a uniformed service, not  
7           later than 2 years after the date of the dis-  
8           charge or release of the individual from that  
9           service; and

10          “(3) meets each minimum qualification stand-  
11          ard prescribed by the Director for the position to  
12          which the individual is being appointed.

13          “(d) PUBLIC NOTICE AND ADVERTISING.—

14                 “(1) IN GENERAL.—The head of an agency  
15                 making an appointment under subsection (b) shall  
16                 publicly advertise positions under this section.

17                 “(2) REQUIREMENTS.—In carrying out para-  
18                 graph (1), the head of an agency shall—

19                         “(A) adhere to merit system principles;

20                         “(B) advertise positions in a manner that  
21                         provides for diverse and qualified applicants;  
22                         and

23                         “(C) ensure potential applicants have ap-  
24                         propriate information relevant to the positions  
25                         available.

1 “(e) LIMITATION ON APPOINTMENTS.—

2 “(1) IN GENERAL.—Except as provided in para-  
3 graph (2), the total number of employees that the  
4 head of an agency may appoint under this section  
5 during a fiscal year may not exceed the number  
6 equal to 15 percent of the number of individuals  
7 that the agency head appointed during the previous  
8 fiscal year to a position in the competitive service  
9 classified in a professional or administrative occupa-  
10 tional category, at the GS–11 level, or an equivalent  
11 level, or below, under a competitive examining proce-  
12 dure.

13 “(2) EXCEPTIONS.—Under a regulation pre-  
14 scribed under subsection (f), the Director may estab-  
15 lish a lower limit on the number of individuals that  
16 may be appointed under paragraph (1) of this sub-  
17 section during a fiscal year based on any factor the  
18 Director considers appropriate.

19 “(f) REGULATIONS.—Not later than 180 days after  
20 the date of enactment of this section, the Director shall  
21 issue interim regulations, with an opportunity for com-  
22 ment, for the administration of this section.

23 “(g) REPORTING.—

24 “(1) IN GENERAL.—Not later than September  
25 30 of each of the first 3 fiscal years beginning after

1 the date of enactment of this section, the head of an  
2 agency that makes an appointment under this sec-  
3 tion shall submit a report to—

4 “(A) Congress that assesses the impact of  
5 the use of the authority provided under this  
6 section during the fiscal year in which the re-  
7 port is submitted; and

8 “(B) the Director that contains data that  
9 the Director considers necessary for the Direc-  
10 tor to assess the impact and effectiveness of the  
11 authority described in subparagraph (A).

12 “(2) CONTENT.—The head of an agency shall  
13 include in each report under paragraph (1)—

14 “(A) the total number of individuals ap-  
15 pointed by the agency under this section, as  
16 well as the number of such individuals who  
17 are—

18 “(i) minorities or members of other  
19 underrepresented groups; or

20 “(ii) veterans;

21 “(B) recruitment sources;

22 “(C) the total number of individuals ap-  
23 pointed by the agency during the applicable fis-  
24 cal year to a position in the competitive service  
25 classified in a professional or administrative oc-



1           “(1) DIRECTOR.—The term ‘Director’ means  
2 the Director of the Office of Personnel Management.

3           “(2) INSTITUTION OF HIGHER EDUCATION.—  
4 The term ‘institution of higher education’ has the  
5 meaning given the term in section 101(a) of the  
6 Higher Education Act of 1965 (20 U.S.C. 1001(a)).

7           “(3) STUDENT.—The term ‘student’ means an  
8 individual enrolled or accepted for enrollment in an  
9 institution of higher education who is pursuing a  
10 baccalaureate or graduate degree on at least a part-  
11 time basis as determined by the institution of higher  
12 education.

13           “(b) APPOINTMENT.—

14           “(1) IN GENERAL.—The head of an agency may  
15 make a time-limited appointment of a student, with-  
16 out regard to any provision of sections 3309 through  
17 3319 and 3330, to a position in the competitive  
18 service at the GS–11 level, or an equivalent level, or  
19 below for which the student is qualified.

20           “(2) RESTRICTIONS.—An appointment under  
21 paragraph (1) shall be made in accordance with reg-  
22 ulations prescribed by the Director.

23           “(c) PUBLIC NOTICE.—

24           “(1) IN GENERAL.—The head of an agency  
25 making an appointment under subsection (b) shall

1 publicly advertise positions available under this sec-  
2 tion.

3 “(2) REQUIREMENTS.—In carrying out para-  
4 graph (1), the head of an agency shall—

5 “(A) adhere to merit system principles;

6 “(B) advertise positions in a manner that  
7 provides for diverse and qualified applicants;  
8 and

9 “(C) ensure potential applicants have ap-  
10 propriate information relevant to the positions  
11 available.

12 “(d) LIMITATION ON APPOINTMENTS.—

13 “(1) IN GENERAL.—Except as provided in para-  
14 graph (2), the total number of students that the  
15 head of an agency may appoint under this section  
16 during a fiscal year may not exceed the number  
17 equal to 15 percent of the number of students that  
18 the agency head appointed during the previous fiscal  
19 year to a position in the competitive service at the  
20 GS–11 level, or an equivalent level, or below.

21 “(2) EXCEPTIONS.—Under a regulation pre-  
22 scribed under subsection (g), the Director may es-  
23 tablish a lower limit on the number of students that  
24 may be appointed under paragraph (1) of this sub-

1 section during a fiscal year based on any factor the  
2 Director considers appropriate.

3 “(e) CONVERSION.—The head of an agency may,  
4 without regard to any provision of chapter 33 or any other  
5 provision of law relating to the examination, certification,  
6 and appointment of individuals in the competitive service,  
7 convert a student serving in an appointment under sub-  
8 section (b) to a permanent appointment in the competitive  
9 service within the agency without further competition if  
10 the student—

11 “(1) has completed the course of study leading  
12 to the baccalaureate or graduate degree;

13 “(2) has completed not less than 640 hours of  
14 current continuous employment in an appointment  
15 under subsection (b); and

16 “(3) meets the qualification standards for the  
17 position to which the student will be converted.

18 “(f) TERMINATION.—The head of an agency shall,  
19 without regard to any provision of chapter 35 or 75, termi-  
20 nate the appointment of a student appointed under sub-  
21 section (b) upon completion of the designated academic  
22 course of study unless the student is selected for conver-  
23 sion under subsection (e).

24 “(g) REGULATIONS.—Not later than 180 days after  
25 the date of enactment of this section, the Director shall

1 issue interim regulations, with an opportunity for com-  
2 ment, for the administration of this section.

3 “(h) REPORTING.—

4 “(1) IN GENERAL.—Not later than September  
5 30 of each of the first 3 fiscal years beginning after  
6 the date of enactment of this section, the head of an  
7 agency that makes an appointment under this sec-  
8 tion shall submit a report to—

9 “(A) Congress that assesses the impact of  
10 the use of the authority provided under this  
11 section during the fiscal year in which the re-  
12 port is submitted; and

13 “(B) the Director that contains data that  
14 the Director considers necessary for the Direc-  
15 tor to assess the impact and effectiveness of the  
16 authority described in subparagraph (A).

17 “(2) CONTENT.—The head of an agency shall  
18 include in each report under paragraph (1)—

19 “(A) the total number of individuals ap-  
20 pointed by the agency under this section, as  
21 well as the number of such individuals who  
22 are—

23 “(i) minorities or members of other  
24 underrepresented groups; or

25 “(ii) veterans;

1 “(B) recruitment sources;

2 “(C) the total number of individuals ap-  
3 pointed by the agency during the applicable fis-  
4 cal year to a position in the competitive service  
5 at the GS-11 level, or an equivalent level, or  
6 below; and

7 “(D) any additional data specified by the  
8 Director.

9 “(i) SPECIAL PROVISION REGARDING THE DEPART-  
10 MENT OF DEFENSE.—

11 “(1) AUTHORITY.—Nothing in this section shall  
12 preclude the Secretary of Defense from exercising  
13 any authority to appoint a post-secondary student  
14 under section 1106 of the National Defense Author-  
15 ization Act for Fiscal Year 2017 (10 U.S.C. note  
16 prec. 1580), or any applicable successor statute.

17 “(2) REGULATIONS.—Any regulations pre-  
18 scribed by the Director for the administration of this  
19 section shall not apply to the Department of Defense  
20 during the period ending on the date on which the  
21 appointment authority of the Secretary of Defense  
22 under section 1106 of the National Defense Author-  
23 ization Act for Fiscal Year 2017 (10 U.S.C. note  
24 prec. 1580), or any applicable successor statute, ter-  
25 minates.”.

1 (b) TABLE OF SECTIONS AMENDMENT.—The table of  
2 sections for subchapter I of chapter 31 of title 5, United  
3 States Code, is amended by adding at the end the fol-  
4 lowing:

“3115. Expedited hiring authority for college graduates; competitive service  
“3116. Expedited hiring authority for post-secondary students; competitive serv-  
ice”.

5 **SEC. 1109. INAPPLICABILITY OF CERTIFICATION OF EXECU-**  
6 **TIVE QUALIFICATIONS BY QUALIFICATION**  
7 **REVIEW BOARDS OF OFFICE OF PERSONNEL**  
8 **MANAGEMENT FOR INITIAL APPOINTMENTS**  
9 **TO SENIOR EXECUTIVE SERVICE POSITIONS**  
10 **IN DEPARTMENT OF DEFENSE.**

11 (a) TEMPORARY INAPPLICABILITY.—Notwith-  
12 standing section 3393(c) of title 5, United States Code,  
13 or any regulations implementing that section, and subject  
14 to the provisions of this section, the Secretary of Defense  
15 may appoint individuals for service in the Senior Executive  
16 Service of the Department of Defense without such indi-  
17 viduals being subject to the certification of executive quali-  
18 fications by a qualification review board of the Office of  
19 Personnel Management in connection with such appoint-  
20 ment otherwise required by that section.

21 (b) QUALIFICATIONS OF INDIVIDUALS APPOINTED.—  
22 The Secretary shall ensure that individuals appointed  
23 under this section possess the necessary qualifications and  
24 experience for the position to which appointed.

1 (c) LIMITATION.—The total number of appointments  
2 made under this section in any year may not exceed 50  
3 appointments.

4 (d) REPORTS.—

5 (1) INITIAL REPORT.—Not later than one year  
6 after the date of the enactment of this Act, the Sec-  
7 retary shall submit to the committees of Congress  
8 and official specified in paragraph (3) a report on  
9 the number and type of appointments made under  
10 this section as of the date of the report, including—

11 (A) a description of the qualifications of  
12 the individuals appointed; and

13 (B) data on the time required to appoint  
14 the individuals.

15 (2) FINAL REPORT.—Not later than two years  
16 after the date of the enactment of this Act, the Sec-  
17 retary shall submit to the committees of Congress  
18 and official specified in paragraph (3) a report on  
19 the use of the authority in this section. The report  
20 shall include the following:

21 (A) The number and type of appointments  
22 made under this section during the one-year pe-  
23 riod ending on the date of the report.

24 (B) Data on and an assessment whether  
25 appointments under the authority in this sec-

1           tion reduced the time to hire when compared  
2           with the time to hire under the current review  
3           system of the Office of Personnel Management.

4           (C) An assessment of the utility of the ap-  
5           pointment authority and process under this sec-  
6           tion.

7           (D) An assessment whether the appoint-  
8           ments made under this section resulted in high-  
9           er quality new executives for the Senior Execu-  
10          tive Service of the Department when compared  
11          with the executives produced under the current  
12          review system of the Office of Personnel Man-  
13          agement.

14          (E) Any recommendation for the improve-  
15          ment of the selection and qualification process  
16          for the Senior Executive Service of the Depart-  
17          ment that the Secretary considers necessary in  
18          order to attract and hire highly qualified can-  
19          didates for service in that Senior Executive  
20          Service.

21          (3) COMMITTEES OF CONGRESS AND OFFI-  
22          CIAL.—The committees of Congress and official  
23          specified in this paragraph are—

1 (A) the Committee on Armed Services and  
2 the Committee on Homeland Security and Gov-  
3 ernmental Affairs of the Senate;

4 (B) the Committee on Armed Services and  
5 the Committee on Oversight and Government  
6 Reform of the House of Representatives; and

7 (C) the Director of the Office of Personnel  
8 Management.

9 (e) SUNSET.—Subsection (a) shall cease to be effec-  
10 tive on the date that is two years after the date of the  
11 enactment of this Act.

12 **SEC. 1110. ENGAGEMENT WITH HISTORICALLY BLACK COL-**  
13 **LEGES AND UNIVERSITIES AND MINORITY-**  
14 **SERVING INSTITUTIONS FOR THE PURPOSES**  
15 **OF TECHNICAL WORKFORCE ENHANCEMENT.**

16 (a) REPORT.—The Secretary of Defense shall develop  
17 and submit a report to the congressional defense commit-  
18 tees detailing activities to increase engagement with cov-  
19 ered educational institutions (as that term is defined in  
20 section 2362(e) of title 10, United States Code) for the  
21 purpose of increasing the number of graduates of such in-  
22 stitutions to accept positions in Department of Defense  
23 Science, Technology, Engineering, and Mathematics-re-  
24 lated positions important to the national security functions  
25 of the Department.

1 (b) DEVELOPMENT.—The report required under sub-  
2 section (a) shall be developed jointly by the Under Sec-  
3 retary of Defense for Research and Engineering and the  
4 Under Secretary of Defense for Personnel and Readiness,  
5 in consultation with all appropriate officials in the Depart-  
6 ment and relevant interagency, academic, and private sec-  
7 tor entities.

8 (c) CONTENTS.—The report required under sub-  
9 section (a) shall identify—

10 (1) metrics to assess engagement with covered  
11 educational institution students, including scholar-  
12 ships, fellowships, internships and co-ops, and spe-  
13 cific steps to improve performance relative to those  
14 metrics;

15 (2) specific outreach activities to better engage  
16 covered educational institution students on Depart-  
17 ment of Defense Science, Technology, Engineering,  
18 and Mathematics employment opportunities; and

19 (3) metrics on hiring of covered educational in-  
20 stitution graduates in Science, Technology, Engi-  
21 neering, and Mathematics-related positions and  
22 plans to increase such hiring.

23 (d) CONSIDERATIONS.—In developing the report re-  
24 quired under subsection (a), the Secretary of Defense shall  
25 assess the use of the authorities provided under section

1 2358a of title 10, United States Code, in engagements  
2 with covered educational institutions.

3 **SEC. 1111. INCLUSION OF STRATEGIC CAPABILITIES OF-**  
4 **FICE AND DEFENSE INNOVATION UNIT EX-**  
5 **PERIMENTAL OF THE DEPARTMENT OF DE-**  
6 **FENSE IN PERSONNEL MANAGEMENT AU-**  
7 **THORITY TO ATTRACT EXPERTS IN SCIENCE**  
8 **AND ENGINEERING.**

9 (a) IN GENERAL.—Subsection (a) of section 1599h  
10 of title 10, United States Code, is amended by adding at  
11 the end the following new paragraphs:

12 “(4) STRATEGIC CAPABILITIES OFFICE.—The  
13 Director of the Strategic Capabilities Office may  
14 carry out a program of personnel management au-  
15 thority provided in subsection (b) in order to facili-  
16 tate recruitment of eminent experts in science or en-  
17 gineering for the Office.

18 “(5) DIUX.—The Director of the Defense Inno-  
19 vation Unit Experimental may carry out a program  
20 of personnel management authority provided in sub-  
21 section (b) in order to facilitate recruitment of emi-  
22 nent experts in science or engineering for the Unit.”.

23 (b) SCOPE OF APPOINTMENT AUTHORITY.—Sub-  
24 section (b)(1) of such section is amended—



1 SCIENTIFIC AND ENGINEERING PROGRAMS.—Section  
2 2358a(a)(4) of title 10, United States Code, is amended—

3 (1) in the paragraph heading, by striking “TO  
4 PERMANENT APPOINTMENT” and inserting  
5 “OF APPOINTMENTS”; and

6 (2) by striking “to a permanent appointment”  
7 and inserting “to another temporary appointment or  
8 to a term or permanent appointment”.

9 (b) ENHANCEMENT OF PILOT PROGRAM ON DY-  
10 Namic SHAPING OF WORKFORCE TECHNICAL SKILLS AND  
11 EXPERTISE.—Section 1109(b)(1)(A) of the National De-  
12 fense Authorization Act for Fiscal Year 2016 (Public Law  
13 114–92; 129 Stat. 1028; 10 U.S.C. 2358 note) is amended  
14 by striking “to appoint” and all that follows and inserting  
15 “to make appointments as follows:

16 “(i) Appointment of qualified sci-  
17 entific and technical personnel who are not  
18 current Department of Defense civilian  
19 employees into any scientific or technical  
20 position in the laboratory for a period of  
21 more than one year but not more than six  
22 years.

23 “(ii) Appointment of qualified sci-  
24 entific and technical personnel who are De-  
25 partment civilian employees in term ap-

1           pointments into any scientific or technical  
2           position in the laboratory for a period of  
3           more than one year but not more than six  
4           years.”.

5 **SEC. 1113. INCLUSION OF OFFICE OF SECRETARY OF DE-**  
6 **FENSE AMONG COMPONENTS OF THE DE-**  
7 **PARTMENT OF DEFENSE COVERED BY DI-**  
8 **RECT HIRE AUTHORITY FOR FINANCIAL MAN-**  
9 **AGEMENT EXPERTS.**

10         Section 1110(f) of the National Defense Authoriza-  
11         tion Act for Fiscal Year 2017 (10 U.S.C. 1580 note prec.)  
12         is amended—

13                 (1) by redesignating paragraphs (1) through  
14                 (9) as paragraphs (2) through (10), respectively;  
15                 and

16                 (2) by inserting before paragraph (2) the fol-  
17         lowing new paragraph (1):

18                 “(1) The Office of the Secretary of Defense.”.

19 **SEC. 1114. ALCOHOL TESTING OF CIVIL SERVICE MARI-**  
20 **NERS OF THE MILITARY SEALIFT COMMAND**  
21 **ASSIGNED TO VESSELS.**

22         (a) ALCOHOL TESTING.—Chapter 643 of title 10,  
23         United States Code, is amended by inserting after section  
24         7479 the following new section:

1 **“§ 7479a. Civil service mariners of military sealift**  
2 **command: alcohol testing**

3 “The Secretary of the Navy may prescribe regula-  
4 tions establishing a program to conduct on-duty reason-  
5 able suspicion alcohol testing and post-accident alcohol  
6 testing of civil service mariners of the Military Sealift  
7 Command who are assigned to vessels.”.

8 (b) RELEASE OF ALCOHOL TEST RESULTS.—

9 (1) IN GENERAL.—Section 7479 of such title is  
10 amended—

11 (A) in the heading of subsection (a), by in-  
12 serting “Or Alcohol” after “Drug”; and

13 (B) by inserting “or alcohol” after “drug”  
14 each place it appears.

15 (2) HEADING AMENDMENT.—The heading of  
16 such section is amended to read as follows:

17 **“§ 7479. Civil service mariners of military sealift com-**  
18 **mand: release of drug and alcohol test re-**  
19 **sults to coast guard”.**

20 (c) TABLE OF SECTIONS AMENDMENT.—The table of  
21 sections at the beginning of chapter 643 of such title is  
22 amended by striking the item relating to section 7479 and  
23 inserting the following new items:

“7479. Civil service mariners of Military Sealift Command: release of drug and  
alcohol test results to Coast Guard

“7479a. Civil service mariners of Military Sealift Command: alcohol testing”.

1 **SEC. 1115. ONE-YEAR EXTENSION OF TEMPORARY AUTHOR-**  
2 **ITY TO GRANT ALLOWANCES, BENEFITS, AND**  
3 **GRATUITIES TO CIVILIAN PERSONNEL ON OF-**  
4 **FICIAL DUTY IN A COMBAT ZONE.**

5 Paragraph (2) of section 1603(a) of the Emergency  
6 Supplemental Appropriations Act for Defense, the Global  
7 War on Terror, and Hurricane Recovery, 2006 (Public  
8 Law 109–234; 120 Stat. 443), as added by section 1102  
9 of the Duncan Hunter National Defense Authorization  
10 Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat.  
11 4616) and most recently amended by section 1108 of the  
12 National Defense Authorization Act for Fiscal Year 2018  
13 (Public Law 115–91), is further amended by striking  
14 “2019” and inserting “2020”.

15 **TITLE XII—MATTERS RELATING**  
16 **TO FOREIGN NATIONS**

Subtitle A—Assistance and Training

- Sec. 1201. Modification of authority to build the capacity of foreign security forces.
- Sec. 1202. Clarification of authority for use of advisors and trainers for training of personnel of foreign ministries with security missions under defense institution capacity building authorities.
- Sec. 1203. Increase in cost limitation and additional notification required for small scale construction related to security cooperation.
- Sec. 1204. Technical corrections relating to defense security cooperation statutory reorganization.
- Sec. 1205. Review and report on processes and procedures used to carry out section 362 of title 10, United States Code.
- Sec. 1206. Report on the use of security cooperation authorities.
- Sec. 1207. Participation in and support of the Inter-American Defense College.
- Sec. 1208. Naval Small Craft Instruction and Technical Training School.
- Sec. 1209. Expansion of Regional Defense Combating Terrorism Fellowship Program to include irregular warfare.
- Sec. 1210. Modification to Department of Defense State Partnership Program.
- Sec. 1211. Assessment, monitoring, and evaluation of security cooperation.
- Sec. 1212. Legal and policy review of advise, assist, and accompany missions.

- Sec. 1213. Extension and modification of authority to support border security operations of certain foreign countries.
- Sec. 1214. Framework for obtaining concurrence for participation in activities of regional centers for security studies.

Subtitle B—Matters Relating to Afghanistan and Pakistan

- Sec. 1221. Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan.
- Sec. 1222. Extension and modification of reporting requirements for special immigrant visas for Afghan allies program.
- Sec. 1223. Afghanistan Security Forces Fund.
- Sec. 1224. Extension and modification of Commanders' Emergency Response Program.
- Sec. 1225. Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations.

Subtitle C—Matters Relating to Syria, Iraq, and Iran

- Sec. 1231. Extension and modification of authority to provide assistance to the vetted Syrian opposition.
- Sec. 1232. Syrian war crimes accountability.
- Sec. 1233. Extension of authority to provide assistance to counter the Islamic State of Iraq and Syria.
- Sec. 1234. Limitation on assistance to the Government of Iraq.
- Sec. 1235. Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq.
- Sec. 1236. Modification of annual report on military power of Iran.
- Sec. 1237. Strategy to counter destabilizing activities of Iran.

Subtitle D—Matters Relating to the Russian Federation

- Sec. 1241. Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea.
- Sec. 1242. Limitation on availability of funds relating to implementation of the Open Skies Treaty.
- Sec. 1243. Determination required regarding material breach of INF Treaty by the Russian Federation.
- Sec. 1244. Comprehensive response to the Russian Federation's material breach of the INF Treaty.
- Sec. 1245. Report on implementation of the New START Treaty.
- Sec. 1246. Modification and extension of Ukraine Security Assistance Initiative.
- Sec. 1247. Extension of limitation on military cooperation between the United States and the Russian Federation.
- Sec. 1248. Sense of Congress on enhancing deterrence against Russian aggression in Europe.

Subtitle E—Matters Relating to the Indo-Pacific Region

- Sec. 1251. Name of United States Indo-Pacific Command.
- Sec. 1252. Redesignation, expansion, and extension of Southeast Asia Maritime Security Initiative.
- Sec. 1253. Redesignation and modification of sense of Congress and initiative for the Indo-Asia-Pacific region.

- Sec. 1254. Assessment of and report on geopolitical conditions in the Indo-Pacific region.
- Sec. 1255. Sense of Congress on extended nuclear deterrence in the Indo-Pacific region.
- Sec. 1256. Reinstatement of reporting requirements with respect to United States-Hong Kong relations.
- Sec. 1257. Strengthening Taiwan's force readiness.
- Sec. 1258. Sense of Congress on Taiwan.
- Sec. 1259. Prohibition on participation of the People's Republic of China in Rim of the Pacific (RIMPAC) naval exercises.
- Sec. 1260. Modification of annual report on military and security developments involving the People's Republic of China.
- Sec. 1261. United States strategy on China.
- Sec. 1262. Report on military and coercive activities of the People's Republic of China in South China Sea.
- Sec. 1263. Requirement for critical languages and expertise in Chinese, Korean, Russian, Farsi, and Arabic.
- Sec. 1264. Limitation on use of funds to reduce the total number of members of the Armed Forces serving on active duty who are deployed to the Republic of Korea.
- Sec. 1265. Reports on nuclear capabilities of the Democratic People's Republic of Korea.
- Sec. 1266. Modification of report required under enhancing defense and security cooperation with India.

Subtitle F—Reports and Other Matters

- Sec. 1271. Modification of authorities relating to acquisition and cross-servicing agreements.
- Sec. 1272. United States-Israel countering unmanned aerial systems cooperation.
- Sec. 1273. Enhancement of U.S.-Israel defense cooperation.
- Sec. 1274. Review to determine whether the Armed Forces or coalition partners of the United States violated Federal law or Department of Defense policy while conducting operations in Yemen.
- Sec. 1275. Report on United States Government security cooperation and assistance programs with Mexico.
- Sec. 1276. Report on Department of Defense missions, operations, and activities in Niger.
- Sec. 1277. Report on the security relationship between the United States and the Republic of Cyprus.
- Sec. 1278. Sense of Congress on detention of United States citizens by the Government of the Republic of Turkey.
- Sec. 1279. Technical amendments related to NATO Support and Procurement Organization and related NATO agreements.
- Sec. 1280. Report on permanent stationing of United States forces in the Republic of Poland.
- Sec. 1281. Report on strengthening NATO cyber defense.
- Sec. 1282. Report on status of the United States relationship with the Republic of Turkey.
- Sec. 1283. Sense of the Congress concerning military-to-military dialogues.
- Sec. 1284. Modifications to Global Engagement Center.
- Sec. 1285. Sense of Congress on countering hybrid threats and malign influence.

- Sec. 1286. Initiative to support protection of national security academic researchers from undue influence and other security threats.
- Sec. 1287. Report on Honduras, Guatemala, and El Salvador.
- Sec. 1288. Modification of freedom of navigation reporting requirements.
- Sec. 1289. Coordination of efforts to negotiate free trade agreements with certain sub-Saharan African countries.
- Sec. 1290. Certifications regarding actions by Saudi Arabia and the United Arab Emirates in Yemen.
- Sec. 1291. Treatment of Rwandan Patriotic Front and Rwandan Patriotic Army under Immigration and Nationality Act.
- Sec. 1292. Limitation on availability of funds to implement the Arms Trade Treaty.
- Sec. 1293. Prohibition on provision of weapons and other forms of support to certain organizations.
- Sec. 1294. Modified waiver authority for certain sanctionable transactions under section 231 of the Countering America's Adversaries Through Sanctions Act.
- Sec. 1295. Rule of construction relating to the use of force.

1                   **Subtitle A—Assistance and**  
2   **Training**

3   **SEC. 1201. MODIFICATION OF AUTHORITY TO BUILD THE**  
4   **CAPACITY OF FOREIGN SECURITY FORCES.**

5           Section 333(b)(2) of title 10, United States Code, is  
6 amended by adding at the end the following new sentence:  
7 “In developing and planning a program to build the capac-  
8 ity of the national security forces of a foreign country  
9 under subsection (a), the Secretary of Defense and Sec-  
10 retary of State should jointly consider political, social, eco-  
11 nomic, diplomatic, and historical factors, if any, of the for-  
12 eign country that may impact the effectiveness of the pro-  
13 gram.”.

1 **SEC. 1202. CLARIFICATION OF AUTHORITY FOR USE OF AD-**  
2 **VISORS AND TRAINERS FOR TRAINING OF**  
3 **PERSONNEL OF FOREIGN MINISTRIES WITH**  
4 **SECURITY MISSIONS UNDER DEFENSE INSTI-**  
5 **TUTION CAPACITY BUILDING AUTHORITIES.**

6 Section 332(b) of title 10, United States Code, is  
7 amended—

8 (1) in paragraph (1), by striking “assign civil-  
9 ian employees of the Department of Defense and  
10 members of the armed forces as advisors or train-  
11 ers” and inserting “provide advisors or trainers”;  
12 and

13 (2) in paragraph (2)(B)—

14 (A) by striking “assigned” each place it  
15 appears (other than the last place) and insert-  
16 ing “provided”;

17 (B) by striking “assigned advisor or train-  
18 er” and inserting “advisor or trainer so pro-  
19 vided”; and

20 (C) by striking “each assignment” and in-  
21 serting “each provision of such an advisor or  
22 trainer”.

1 **SEC. 1203. INCREASE IN COST LIMITATION AND ADDI-**  
2 **TIONAL NOTIFICATION REQUIRED FOR**  
3 **SMALL SCALE CONSTRUCTION RELATED TO**  
4 **SECURITY COOPERATION.**

5 (a) AMENDMENTS TO DEFINITION OF SMALL-SCALE  
6 CONSTRUCTION.—Section 301(8) of title 10, United  
7 States Code, is amended by striking “\$750,000” and in-  
8 serting “\$1,500,000”.

9 (b) ADDITIONAL NOTIFICATION REQUIRED FOR CER-  
10 TAIN AUTHORIZED SUPPORT TYPES.—Section 331(c)(5)  
11 of such title is amended by adding at the end the following  
12 new sentence: “In the case of support provided under this  
13 paragraph that results in the provision of small-scale con-  
14 struction above \$750,000, the notification pursuant to  
15 subsection (b)(2) shall include the location, project title,  
16 and cost of each such small-scale construction project that  
17 will be carried out, a Department of Defense Form 1391  
18 for each such project, and a masterplan of planned infra-  
19 structure investments at the location.”

20 (c) ADDITIONAL NOTIFICATION REQUIRED FOR CER-  
21 TAIN AUTHORIZED ACTIVITIES TO BUILD CAPACITY.—  
22 Section 333 of such title is amended—

23 (1) in subsection (c)(1), by inserting “sup-  
24 porting security cooperation programs under this  
25 section” after “small-scale construction”; and

1           (2) in subsection (e), by adding at the end the  
2 following:

3           “(8) In the case of activities under a program  
4 that results in the provision of small-scale construc-  
5 tion above \$750,000, the location, project title, and  
6 cost of each small-scale construction project that will  
7 be carried out, a Department of Defense Form 1391  
8 for each such project, and a masterplan of planned  
9 infrastructure investments at the location over the  
10 next 5 years.”.

11 **SEC. 1204. TECHNICAL CORRECTIONS RELATING TO DE-**  
12 **FENSE SECURITY COOPERATION STATUTORY**  
13 **REORGANIZATION.**

14       (a) CHAPTER REFERENCES.—The following provi-  
15 sions of law are amended by striking “chapter 15” and  
16 inserting “chapter 13”:

17           (1) Section 886(a)(5) of the Homeland Security  
18 Act of 2002 (6 U.S.C. 466(a)(5)).

19           (2) Section 332(a)(1) of the Consolidated Farm  
20 and Rural Development Act (7 U.S.C. 1982(a)(1)).

21           (3) Section 101(a)(13)(B) of title 10, United  
22 States Code.

23           (4) Section 115(i)(6) of title 10, United States  
24 Code.

1           (5) Section 12304(c)(1) of title 10, United  
2 States Code.

3           (6) Section 484C(e)(3)(C)(v) of the Higher  
4 Education Act of 1965 (20 U.S.C.  
5 1091c(e)(3)(C)(v)).

6       (b) SECTION REFERENCES.—(1) Title 10, United  
7 States Code, is amended—

8           (A) in section 386(c)(1), by striking “Sections  
9 311, 321, 331, 332, 333,” and inserting “Sections  
10 246, 251, 252, 253, 321,”; and

11          (B) in section 10541(b)(9) in the matter pre-  
12 ceding subparagraph (A), by striking “sections 331,  
13 332, 333,” and inserting “sections 251, 252, 253,”.

14       (2) Section 484C(e)(3)(C)(i) of the Higher Edu-  
15 cation Act of 1965 (20 U.S.C. 1091c(e)(3)(C)(i)) is  
16 amended by striking “section 331, 332,” and inserting  
17 “section 251, 252,”.

18       (c) OTHER TECHNICAL CORRECTIONS.—(1) Chapter  
19 16 of title 10, United States Code, is amended—

20           (A) in section 311(a)(3), by striking “Secretary  
21 to State” and inserting “Secretary of State”;

22           (B) in section 321(e), by striking “calender”  
23 each place it appears and inserting “calendar”;

1 (C) in the table of sections at the beginning of  
2 subchapter V of such chapter, by striking the item  
3 relating to section 342 and inserting the following:

“342. Regional Centers for Security Studies.”;

4 (D) in section 347—

5 (i) in the heading of subsection (a)(7), by  
6 striking “ETC.” and inserting “ETC”; and

7 (ii) in the heading of subsection (b)(3)(B),  
8 by striking “ETC.” and inserting “ETC”; and

9 (E) in section 385(d)(1)(B), by striking “in-  
10 clude” and inserting “including”.

11 (2) Section 1204(b) of the Carl Levin and Howard  
12 P. “Buck” McKeon National Defense Authorization Act  
13 for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C.  
14 362 note) is amended—

15 (A) in paragraph (1), by striking “section  
16 2249e” each place it appears and inserting “section  
17 362”; and

18 (B) in paragraph (3), by striking “subsection  
19 (f) of section 2249e of title 10, United States Code  
20 (as so added)” and inserting “section 301(1) of title  
21 10, United States Code”.

1 **SEC. 1205. REVIEW AND REPORT ON PROCESSES AND PRO-**  
2 **CEDURES USED TO CARRY OUT SECTION 362**  
3 **OF TITLE 10, UNITED STATES CODE.**

4 (a) REVIEW.—The Secretary of Defense, with the  
5 concurrence of the Secretary of State, shall conduct a re-  
6 view of the processes and procedures used to carry out  
7 section 362 of title 10, United States Code.

8 (b) REPORT.—

9 (1) IN GENERAL.—Not later than 180 days  
10 after the date of the enactment of this Act, the Sec-  
11 retary of Defense, with the concurrence of the Sec-  
12 retary of State, shall submit to the appropriate con-  
13 gressional committees a report that contains a sum-  
14 mary and evaluation of the review required by sub-  
15 section (a).

16 (2) MATTERS TO BE INCLUDED.—The report  
17 required by this subsection shall include the fol-  
18 lowing:

19 (A) A description of the procedures used to  
20 obtain and verify information regarding the vet-  
21 ting of partner units for gross violation of  
22 human rights required under section 362 of  
23 title 10, United States Code, and to share such  
24 information with the Department of State.

25 (B) A description of the procedures used  
26 to conduct remediation of units determined or

1           alleged to have committed gross violation of  
2           human rights, including a list of each unit com-  
3           pleting such remediation since December 19,  
4           2014.

5           (C) An assessment of the procedures and  
6           associated timelines to implement the require-  
7           ments of such section 362 on the Department  
8           of Defense's ability to comply with such section  
9           362 and achieve national security goals.

10          (D) A description of the processes and pro-  
11          cedures used to implement section 1206 of the  
12          Carl Levin and Howard P. "Buck" McKeon  
13          National Defense Authorization Act for Fiscal  
14          Year 2015 (Public Law 113-291; 128 Stat.  
15          3538), including the process of obtaining the  
16          concurrence of the Secretary of State as re-  
17          quired under subsection (c)(1) of such section.

18          (E) Recommendations to revise authorities  
19          to improve the processes and procedures related  
20          to the vetting of foreign partner units for gross  
21          violations of human rights.

22          (F) Any other matters the Secretary con-  
23          siders appropriate.



1 tries and that pose a significant threat to the national se-  
2 curity of the United States.

3 (b) REPORT ON FUNDING.—The Secretary of De-  
4 fense shall include with the consolidated budget materials  
5 submitted to Congress as required by section 381 of title  
6 10, United States Code, for fiscal years 2020 and 2021  
7 a report on the use of security cooperation funding to  
8 counter malign influence campaigns by strategic competi-  
9 tors and other state actors directed at allied and partner  
10 countries and posing a significant threat to the national  
11 security of the United States.

12 **SEC. 1207. PARTICIPATION IN AND SUPPORT OF THE**  
13 **INTER-AMERICAN DEFENSE COLLEGE.**

14 (a) IN GENERAL.—Subchapter V of chapter 16 of  
15 title 10, United States Code, is amended by adding at the  
16 end the following new section:

17 **“§ 351. Inter-American Defense College**

18 “(a) AUTHORITY TO SUPPORT.—The Secretary of  
19 Defense may authorize members of the armed forces and  
20 civilian personnel of the Department of Defense to partici-  
21 pate in the operation of and the provision of support to  
22 the Inter-American Defense College and provide logistic  
23 support, supplies, and services to the Inter-American De-  
24 fense College, including the use of Department of Defense

1 facilities and equipment, as the Secretary considers nec-  
2 essary to—

3           “(1) assist the Inter-American Defense College  
4 in its mission to develop and offer to military offi-  
5 cers and civilian officials from member states of the  
6 Organization of American States advanced academic  
7 courses on matters related to military and defense  
8 issues, the inter-American system, and related dis-  
9 ciplines; and

10           “(2) ensure that the Inter-American Defense  
11 College provides an academic program of a level of  
12 quality, rigor, and credibility that is commensurate  
13 with the standards of Department of Defense senior  
14 service colleges and that includes the promotion of  
15 security cooperation, human rights, humanitarian  
16 assistance and disaster response, peacekeeping, and  
17 democracy in the Western Hemisphere.

18           “(b) MEMORANDUM OF UNDERSTANDING.—(1) The  
19 Secretary of Defense, with the concurrence of the Sec-  
20 retary of State, shall enter into a memorandum of under-  
21 standing with the Inter-American Defense Board for the  
22 participation of members of the armed forces and civilian  
23 personnel of the Department of Defense in the operation  
24 of and provision of host nation support to the Inter-Amer-  
25 ican Defense College under subsection (a).

1           “(2) If Department of Defense facilities, equip-  
2           ment, or funds will be used to support the Inter-  
3           American Defense College under subsection (a), a  
4           memorandum of understanding entered into under  
5           paragraph (1) shall include a description of any  
6           cost-sharing arrangement or other funding arrange-  
7           ment relating to the use of such facilities, equip-  
8           ment, or funds.

9           “(3) A memorandum of understanding entered  
10          into under paragraph (1) shall also include a cur-  
11          riculum and a plan for academic program develop-  
12          ment.

13          “(c) USE OF FUNDS.—(1) Funds appropriated to the  
14          Department of Defense for operation and maintenance  
15          may be used to pay costs that the Secretary determines  
16          are necessary for the participation of members of the  
17          armed forces and civilian personnel of the Department of  
18          Defense in the operation of and provision of host nation  
19          support to the Inter-American Defense College, includ-  
20          ing—

21                   “(A) the costs of expenses of such partici-  
22                   pants;

23                   “(B) the cost of hiring and retaining quali-  
24                   fied professors, instructors, and lecturers;

1           “(C) curriculum support costs, including  
2           administrative costs, academic outreach, and  
3           curriculum support personnel;

4           “(D) the cost of translation and interpreta-  
5           tion services;

6           “(E) the cost of information and edu-  
7           cational technology;

8           “(F) the cost of utilities; and

9           “(G) the cost of maintenance and repair of  
10          facilities.

11          “(2) No funds may be used under this section  
12          to provide for the pay of members of the armed  
13          forces or civilian personnel of the Department of De-  
14          fense who participate in the operation of and the  
15          provision of host nation support to the Inter-Amer-  
16          ican Defense College under this section.

17          “(3) Funds available to carry out this section  
18          for a fiscal year may be used for activities that begin  
19          in such fiscal year and end in the next fiscal year.

20          “(d) WAIVER OF REIMBURSEMENT.—The Secretary  
21          of Defense may waive reimbursement for developing coun-  
22          tries (as such term is defined in section 301 of this title)  
23          of the costs of funding and other host nation support pro-  
24          vided to the Inter-American Defense College under this  
25          section if the Secretary determines that the provision of

1 such funding or support without reimbursement is in the  
2 national security interest of the United States.

3 “(e) LOGISTIC SUPPORT, SUPPLIES, AND SERVICES  
4 DEFINED.—In this section, the term ‘logistic support,  
5 supplies, and services’ has the meaning given that term  
6 in section 2350 of this title.”.

7 (b) CLERICAL AMENDMENT.—The table of sections  
8 at the beginning of subchapter V of chapter 16 of such  
9 title is amended by adding at the end the following new  
10 item:

“Sec. 351. Inter-American Defense College.”.

11 **SEC. 1208. NAVAL SMALL CRAFT INSTRUCTION AND TECH-**  
12 **NICAL TRAINING SCHOOL.**

13 (a) SCHOOL AUTHORIZED.—

14 (1) IN GENERAL.—Subchapter V of chapter 16  
15 of title 10, United States Code, as amended by sec-  
16 tion 1207, is further amended by adding at the end  
17 the following new section:

18 **“§ 352. Naval Small Craft Instruction and Technical**  
19 **Training School**

20 “(a) IN GENERAL.—The Secretary of Defense may  
21 operate an education and training facility known as the  
22 ‘Naval Small Craft Instruction and Technical Training  
23 School’ (in this section referred to as the ‘School’).

24 “(b) DESIGNATION OF EXECUTIVE AGENT.—The  
25 Secretary of Defense shall designate the Secretary of a

1 military department as the Department of Defense execu-  
2 tive agent for carrying out the responsibilities of the Sec-  
3 retary of Defense under this section.

4 “(c) PURPOSE.—The purpose of the School shall be  
5 to provide to the military and other security forces of one  
6 or more friendly foreign countries education and training  
7 under any other provision of law related to naval small  
8 craft instruction and training and to increase profes-  
9 sionalism, readiness, and respect for human rights  
10 through formal courses of instruction or mobile training  
11 teams for—

12 “(1) the operation, employment, maintenance,  
13 and logistics of specialized equipment;

14 “(2) participation in—

15 “(A) joint exercises; or

16 “(B) coalition or international military op-  
17 erations; and

18 “(3) improved interoperability between—

19 “(A) the armed forces; and

20 “(B) the military and other security forces  
21 of the one or more friendly foreign countries.

22 “(d) LIMITATION ON PERSONNEL ELIGIBLE TO RE-  
23 CEIVE EDUCATION AND TRAINING.—The Secretary of De-  
24 fense may not provide education or training at the School  
25 to any personnel of a country that is prohibited from re-

1 ceiving such education or training under any other provi-  
2 sion of law.

3 “(e) FIXED COSTS.—The fixed costs of operation and  
4 maintenance of the School in a fiscal year may be paid  
5 from amounts made available for such fiscal year for oper-  
6 ation and maintenance of the Department of Defense.

7 “(f) ANNUAL REPORT.—Not later than March 15  
8 each year, the Secretary of Defense, with the concurrence  
9 of the Secretary of State, shall submit to the appropriate  
10 congressional committees a detailed report on the activi-  
11 ties and operating costs of the School during the preceding  
12 fiscal year.”.

13 (2) CLERICAL AMENDMENT.—The table of sec-  
14 tions at the beginning of subchapter V of chapter 16  
15 of such title is amended by adding at the end the  
16 following new item:

“352. Naval Small Craft Instruction and Technical Training School.”.

17 (b) REPORT REQUIRED.—Not later than 60 days  
18 after the date of the enactment of this Act, the Secretary  
19 of Defense shall submit to the congressional defense com-  
20 mittees a report that sets forth the following:

21 (1) The budget requirements for the operation  
22 and sustainment of the Naval Small Craft Instruc-  
23 tion and Technical Training School authorized by  
24 section 352 of title 10, United States Code (as  
25 added by subsection (a)), during the period of the

1 future-years defense program submitted to Congress  
2 in fiscal year 2019, including—

3 (A) a description of the budget require-  
4 ments relating to the School for—

5 (i) Major Force Program–2; and

6 (ii) Major Force Program–11; and

7 (B) an identification of any other source of  
8 funding for the School.

9 (2) The anticipated requirements for facilities  
10 for the School.

11 (3) An identification of the Secretary of a mili-  
12 tary department designated by the Secretary of De-  
13 fense as executive agent for the School under sub-  
14 section (b) of such section.

15 (4) The anticipated military construction and  
16 facilities renovation requirements for the School dur-  
17 ing such period.

18 (5) Any other matter relating to the School that  
19 the Secretary of Defense considers appropriate.

20 (c) LIMITATION ON USE OF FUNDS.—

21 (1) IN GENERAL.—Nothing in section 352 of  
22 title 10, United States Code (as so added), may be  
23 construed as authorizing the use of funds appro-  
24 priated for the Department of Defense for any pur-  
25 pose described in paragraph (2) unless specifically

1 authorized by an Act of Congress other than that  
2 section or this Act.

3 (2) PURPOSES.—The purposes described in this  
4 paragraph are the following:

5 (A) The operation of a facility other than  
6 the Naval Small Craft Instruction and Tech-  
7 nical Training School that is in operation as of  
8 the date of the enactment of this Act for the  
9 provision of education and training authorized  
10 to be provided by the School.

11 (B) The construction or expansion of any  
12 facility of the School.

13 **SEC. 1209. EXPANSION OF REGIONAL DEFENSE COMBATING**  
14 **TERRORISM FELLOWSHIP PROGRAM TO IN-**  
15 **CLUDE IRREGULAR WARFARE.**

16 (a) IN GENERAL.—Section 345 of title 10, United  
17 States Code, is amended—

18 (1) by redesignating subsections (b) and (c) as  
19 subsections (c) and (d), respectively;

20 (2) by striking subsection (a) and inserting the  
21 following new subsections (a) and (b):

22 “(a) PROGRAM AUTHORIZED.—

23 “(1) IN GENERAL.—The Secretary of Defense  
24 may carry out a program under which the Secretary  
25 may pay any costs associated with the education and

1 training of foreign military officers, ministry of de-  
2 fense officials, or security officials at military or ci-  
3 vilian educational institutions, regional centers, con-  
4 ferences, seminars, or other training programs con-  
5 ducted for purposes of regional defense in connection  
6 with either of the following:

7 “(A) Combating terrorism.

8 “(B) Irregular warfare.

9 “(2) COVERED COSTS.—Costs for which pay-  
10 ment may be made under this section include the  
11 costs of transportation and travel and subsistence  
12 costs.

13 “(3) DESIGNATION.—The program authorized  
14 by this section shall be known as the ‘Regional De-  
15 fense Combating Terrorism and Irregular Warfare  
16 Fellowship Program’.

17 “(b) REGULATIONS.—

18 “(1) IN GENERAL.—The program authorized by  
19 subsection (a) shall be carried out under regulations  
20 prescribed by the Secretary of Defense and the Sec-  
21 retary of State.

22 “(2) ELEMENTS.—The regulations shall ensure  
23 that—

24 “(A) the Secretary of Defense and the Sec-  
25 retary of State—

1 “(i) jointly develop and plan activities  
2 under the program that—

3 “(I) advance United States secu-  
4 rity cooperation objectives; and

5 “(II) support theater security co-  
6 operation planning of the combatant  
7 commands; and

8 “(ii) coordinate on the implementation  
9 of activities under the program;

10 “(B) each of the Secretary of Defense and  
11 the Secretary of State designates an individual  
12 at the lowest appropriate level of the Depart-  
13 ment of Defense or the Department of State, as  
14 applicable, who shall be responsible for program  
15 coordination; and

16 “(C) to the extent practicable, activities  
17 under the program are appropriately coordi-  
18 nated with, and do not duplicate or conflict  
19 with, activities under International Military  
20 Education and Training (IMET) authorities.

21 “(3) SUBMITTAL TO CONGRESS.—Upon any up-  
22 date of the regulations, the Secretary of Defense  
23 shall submit to the Committees on Armed Services  
24 of the Senate and the House of Representatives a

1 copy of the regulations as so updated, together with  
2 a description of the update.”; and

3 (3) in paragraph (3) of subsection (d), as reded-  
4 igned by paragraph (1) of this subsection, by  
5 striking “in the global war on terrorism”.

6 (b) CONFORMING AMENDMENTS.—

7 (1) HEADING AMENDMENT.—The heading of  
8 such section is amended to read as follows:

9 **“§ 345. Regional Defense Combating Terrorism and**  
10 **Irregular Warfare Fellowship Program”.**

11 (2) TABLE OF SECTIONS AMENDMENT.—The  
12 table of sections at the beginning of subchapter V of  
13 chapter 16 of such title is amended by striking the  
14 item relating to section 345 and inserting the fol-  
15 lowing new item:

“345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship  
Program.”.

16 **SEC. 1210. MODIFICATION TO DEPARTMENT OF DEFENSE**  
17 **STATE PARTNERSHIP PROGRAM.**

18 Section 341(b)(2) of title 10, United States Code, is  
19 amended by inserting “assistance” after “any”.

20 **SEC. 1211. ASSESSMENT, MONITORING, AND EVALUATION**  
21 **OF SECURITY COOPERATION.**

22 (a) ASSESSMENT, MONITORING, AND EVALUATION  
23 OF SECURITY COOPERATION ACTIVITIES.—Of the amount  
24 for Operations and Maintenance, Defense-wide made

1 available to the Defense Security Cooperation Agency for  
2 fiscal year 2019, it is the goal that \$12,000,000, but in  
3 no event less than \$6,000,000, shall be allocated for the  
4 assessment, monitoring, and evaluation of security co-  
5 operation activities in accordance with section 383 of title  
6 10, United States Code.

7 (b) LIMITATION ON USE OF FUNDS.—Of the amount  
8 for Operation and Maintenance, Defense-wide made avail-  
9 able to the Department of Defense for fiscal year 2019  
10 for activities under section 333 of title 10, United States  
11 Code, not more than 50 percent may be expended until  
12 the Secretary submits to the appropriate congressional  
13 committees (as such term is defined in section 301(1) of  
14 title 10, United States Code) a written plan for the ex-  
15 penditure of the amount allocated under subsection (a),  
16 including—

17 (1) a description of the activities planned for  
18 fiscal year 2019 for the evaluation of security co-  
19 operation programs across the security cooperation  
20 enterprise, including through chapter 16 of title 10,  
21 United States Code, the Afghanistan Security  
22 Forces Fund, the Counter-ISIL Fund, the coopera-  
23 tive threat reduction program, and other security co-  
24 operation authorities as appropriate; and

1           (2) a description of the activities planned for  
2           fiscal year 2019 for the training, support, and orga-  
3           nization of the Department to effectively carry out  
4           responsibilities under section 383 of title 10, United  
5           States Code.

6           (c) MODIFICATION OF ASSESSMENT, MONITORING,  
7           AND EVALUATION OF PROGRAMS AND ACTIVITIES.—Sec-  
8           tion 383(b)(1) of title 10, United States Code, is amended  
9           by adding at the end the following:

10                   “(E) Incorporation of lessons learned from  
11                   prior security cooperation programs and activi-  
12                   ties of the Department of Defense that were  
13                   carried out any time on or after September 11,  
14                   2001.”.

15           **SEC. 1212. LEGAL AND POLICY REVIEW OF ADVISE, ASSIST,**  
16                                   **AND ACCOMPANY MISSIONS.**

17           (a) IN GENERAL.—Not later than 120 days after the  
18           date of the enactment of this Act, the Under Secretary  
19           of Defense for Policy, in coordination with the General  
20           Counsel of the Department of Defense and the com-  
21           manders of appropriate combatant commands, shall—

22                   (1) conduct a review of the legal and policy  
23                   frameworks associated with advise, assist, and ac-  
24                   company missions by United States military per-  
25                   sonnel; and

1           (2) submit to the Secretary of Defense a report  
2           on the results of such review.

3           (b) SUBMITTAL TO CONGRESS.—Not later than 30  
4           days after the date on which the Secretary receives the  
5           report required by subsection (a)(2), the Secretary shall  
6           submit to the congressional defense committees the report  
7           together with any comments by the Secretary that amplify  
8           or clarify the report.

9           (c) ELEMENTS.—The report and review required by  
10          subsection (a) shall include the following:

11           (1) An analysis of the risks and benefits of  
12          United States military personnel conducting advise,  
13          assist, and accompany missions with foreign partner  
14          forces, and an assessment of the relation of such  
15          risks and benefits to United States security objec-  
16          tives.

17           (2) A review of applicable execute orders and  
18          theater and functional campaign plans in order to  
19          ensure that such orders and plans comply with  
20          United States law for the employment of United  
21          States military personnel and capabilities to advise,  
22          assist, and accompany foreign partner forces.

23           (3) An explanation of the fiscal and operational  
24          authorities applicable to advise, assist, and accom-  
25          pany missions, including a differentiation between—

1 (A) advise, assist, and accompany missions  
2 conducted by United States military personnel  
3 under an execute order with partner forces; and

4 (B) accompany missions conducted by  
5 United States military personnel with foreign  
6 partner forces also affiliated with a program  
7 authorized by section 127e or 333 of title 10,  
8 United States Code.

9 (4) An explanation of the domestic and inter-  
10 national legal bases for the use of United States  
11 military personnel to provide collective self-defense  
12 in support of designated foreign partner forces in-  
13 side and outside areas of active hostilities, and a de-  
14 scription of any legal or policy limitation on the pro-  
15 vision of collective self-defense in support of such  
16 designated foreign partner forces.

17 (5) An assessment whether the legal and policy  
18 frameworks applicable to advise, assist, and accom-  
19 pany missions by United States military personnel  
20 are adequately communicated to and understood at  
21 all levels of operational command.

22 (6) An assessment whether approvals and per-  
23 missions related to advise, assist, and accompany  
24 missions are made at the appropriate level of com-  
25 mand.

1           (7) A definition, and policy guidance, for the  
2           appropriate use in execute orders and military doc-  
3           trine of each of the following:

4                   (A) Advise.

5                   (B) Assist.

6                   (C) Accompany.

7                   (D) Self-defense.

8                   (E) Collective self-defense.

9                   (F) Combined operations.

10                  (G) Partnered operations.

11                  (H) Last point of cover and conceal.

12           (8) Any other matters the Under Secretary or  
13           the Secretary considers appropriate.

14           (d) FORM.—The report required by subsection (b)  
15           shall be submitted in unclassified form, but may include  
16           a classified annex.

17   **SEC. 1213. EXTENSION AND MODIFICATION OF AUTHORITY**  
18                   **TO SUPPORT BORDER SECURITY OPER-**  
19                   **ATIONS OF CERTAIN FOREIGN COUNTRIES.**

20           (a) EXPANSION OF AUTHORITY.—Paragraph (1) of  
21           subsection (a) of section 1226 of the National Defense Au-  
22           thorization Act for Fiscal Year 2016 (22 U.S.C. 2151  
23           note) is amended to read as follows:

24                   “(1) IN GENERAL.—The Secretary of Defense,  
25           with the concurrence of the Secretary of State, is

1 authorized to provide support on a reimbursement  
2 basis as follows:

3 “(A) To the Government of Jordan for  
4 purposes of supporting and enhancing efforts of  
5 the armed forces of Jordan to increase security  
6 and sustain increased security along the border  
7 of Jordan with Syria and Iraq.

8 “(B) To the Government of Lebanon for  
9 purposes of supporting and enhancing efforts of  
10 the armed forces of Lebanon to increase secu-  
11 rity and sustain increased security along the  
12 border of Lebanon with Syria.

13 “(C) To the Government of Egypt for pur-  
14 poses of supporting and enhancing efforts of  
15 the armed forces of Egypt to increase security  
16 and sustain increased security along the border  
17 of Egypt with Libya.

18 “(D) To the Government of Tunisia for  
19 purposes of supporting and enhancing efforts of  
20 the armed forces of Tunisia to increase security  
21 and sustain increased security along the border  
22 of Tunisia with Libya.

23 “(E) To the Government of Oman for pur-  
24 poses of supporting and enhancing efforts of  
25 the armed forces of Oman to increase security

1           and sustain increased security along the border  
2           of Oman with Yemen.

3           “(F) To the Government of Pakistan for  
4           purposes of supporting and enhancing efforts of  
5           the armed forces of Pakistan to increase secu-  
6           rity and sustain increased security along the  
7           border of Pakistan with Afghanistan.”.

8           (b) CERTIFICATION.—Subsection (d) of such section  
9           is amended to read as follows:

10          “(d) NOTICE AND CERTIFICATION BEFORE EXER-  
11          CISE.—Not later than 15 days before providing support  
12          under the authority of subsection (a) to a country that  
13          has not previously received such support, the Secretary of  
14          Defense, in consultation with the Secretary of State, shall  
15          submit to the specified congressional committees a report  
16          that—

17                 “(1) sets forth a full description of the support  
18          to be provided, including—

19                         “(A) the purpose of such support;

20                         “(B) the amount of support to be provided;

21                         and

22                         “(C) the anticipated duration of the provi-  
23          sion of such support; and

24                 “(2) includes a certification that—

1           “(A) the recipient country has taken de-  
2           monstrable steps to increase security along the  
3           border specified for such country in subsection  
4           (a); and

5           “(B) the provision of such support is in  
6           the interest of United States national secu-  
7           rity.”.

8           (c) LIMITATION ON REIMBURSEMENT OF PAKI-  
9           STAN.—Such section is further amended—

10           (1) by redesignating subsections (e) and (f) as  
11           subsections (g) and (h), respectively; and

12           (2) by inserting after subsection (d) the fol-  
13           lowing new subsection (e):

14           “(e) LIMITATION ON REIMBURSEMENT OF PAKISTAN  
15           PENDING CERTIFICATION.—No amount of reimbursement  
16           support under subsection (a)(1)(F) is authorized to be dis-  
17           bursed to the Government of Pakistan unless the Sec-  
18           retary of Defense certifies to the congressional defense  
19           committees that the following conditions are met:

20           “(1) The military and security operations of  
21           Pakistan pertaining to border security and ancillary  
22           activities for which reimbursement is sought have  
23           been coordinated with United States military rep-  
24           resentatives in advance of the execution of such op-  
25           erations and activities.

1           “(2) The goals and desired outcomes of each  
2           such operation or activity have been established and  
3           agreed upon in advance by the United States and  
4           Pakistan.

5           “(3) A process exists to verify the achievement  
6           of the goals and desired outcomes established in ac-  
7           cordance with paragraph (2).

8           “(4) The Government of Pakistan is making an  
9           effort to actively coordinate with the Government of  
10          Afghanistan on issues relating to border security on  
11          the Afghanistan-Pakistan border.”.

12          (d) QUARTERLY REPORTS.—Such section is further  
13          amended by inserting after subsection (e), as so des-  
14          ignated by subsection (c) of this section, the following new  
15          subsection (f):

16          “(f) QUARTERLY REPORTS.—Not later than 30 days  
17          after the end of each fiscal quarter, the Secretary of De-  
18          fense shall submit to the specified congressional commit-  
19          tees a report on reimbursements pursuant to subsection  
20          (a) during the preceding fiscal quarter that includes—

21                  “(1) an identification of each country reim-  
22                  bursed;

23                  “(2) the date of each reimbursement;

1           “(3) a description of any partner nation border  
2 security efforts for which reimbursement was pro-  
3 vided;

4           “(4) an assessment of the value of partner na-  
5 tion border security efforts for which reimbursement  
6 was provided;

7           “(5) the total amounts of reimbursement pro-  
8 vided to each partner nation in the preceding four  
9 fiscal quarters; and

10           “(6) such other matters as the Secretary con-  
11 siders appropriate.”.

12       (e) EXTENSION.—Subsection (h) of such section, as  
13 so redesignated, is amended by striking “December 31,  
14 2019” and inserting “December 31, 2021”.

15 **SEC. 1214. FRAMEWORK FOR OBTAINING CONCURRENCE**  
16 **FOR PARTICIPATION IN ACTIVITIES OF RE-**  
17 **GIONAL CENTERS FOR SECURITY STUDIES.**

18       Not later than 120 days after the date of the enact-  
19 ment of this Act, the Secretary of Defense, with the con-  
20 currence of the Secretary of State, shall establish and sub-  
21 mit to the appropriate congressional committees, as such  
22 term is defined in section 301(1) of title 10, United States  
23 Code, a Memorandum of Agreement or other arrangement  
24 setting forth a framework for the procedures required be-  
25 tween the Department of Defense and the Department of

1 State to obtain the concurrence of the Secretary of State,  
2 as required by law or policy, to allow non-defense and non-  
3 governmental personnel of friendly foreign countries to  
4 participate in activities of the Department of Defense Re-  
5 gional Centers for Security Studies.

6 **Subtitle B—Matters Relating to**  
7 **Afghanistan and Pakistan**

8 **SEC. 1221. EXTENSION OF AUTHORITY TO TRANSFER DE-**  
9 **FENSE ARTICLES AND PROVIDE DEFENSE**  
10 **SERVICES TO THE MILITARY AND SECURITY**  
11 **FORCES OF AFGHANISTAN.**

12 (a) EXTENSION.—Subsection (h) of section 1222 of  
13 the National Defense Authorization Act for Fiscal Year  
14 2013 (Public Law 112–239; 126 Stat. 1992), as most re-  
15 cently amended by section 1211 of the National Defense  
16 Authorization Act for Fiscal Year 2018 (Public Law 115–  
17 91; 131 Stat. 1648), is further amended by striking “De-  
18 cember 31, 2018” and inserting “December 31, 2020”.

19 (b) EXCESS DEFENSE ARTICLES.—Subsection (i)(2)  
20 of such section 1222, as so amended, is further amended  
21 by striking “December 31, 2018,” each place it appears  
22 and inserting “December 31, 2020”.

1 **SEC. 1222. EXTENSION AND MODIFICATION OF REPORTING**  
2 **REQUIREMENTS FOR SPECIAL IMMIGRANT**  
3 **VISAS FOR AFGHAN ALLIES PROGRAM.**

4 Section 602 of the Afghan Allies Protection Act of  
5 2009 (8 U.S.C. 1101 note) is amended—

6 (1) in subsection (b)—

7 (A) by striking paragraph (10);

8 (B) by redesignating paragraphs (11)  
9 through (16) as paragraphs (10) through (15),  
10 respectively;

11 (C) in paragraph (11)(A), as so redesign-  
12 ated, by striking “the National Defense Au-  
13 thorization Act for Fiscal Year 2014” and in-  
14 serting “the John S. McCain National Defense  
15 Authorization Act for Fiscal Year 2019”;

16 (D) in paragraph (12), as so redesignated,  
17 by striking “paragraph (12)(B)” and inserting  
18 “paragraph (11)(B)”; and

19 (E) in paragraph (13), as so redesignated,  
20 in the matter preceding subparagraph (A), by  
21 striking “a report to the” and all that follows  
22 through “House of Representatives” and insert-  
23 ing “a report to the appropriate committees of  
24 Congress”;

25 (2) by striking subsection (c); and

1           (3) by redesignating subsection (d) as sub-  
2           section (c).

3 **SEC. 1223. AFGHANISTAN SECURITY FORCES FUND.**

4           (a) CONTINUATION OF PRIOR AUTHORITIES AND NO-  
5           TICE AND REPORTING REQUIREMENTS.—Funds available  
6           to the Department of Defense for the Afghanistan Secu-  
7           rity Forces Fund for fiscal year 2019 shall be subject to  
8           the conditions contained in—

9           (1) subsections (b) through (f) of section 1513  
10           of the National Defense Authorization Act for Fiscal  
11           Year 2008 (Public Law 110–181; 122 Stat. 428), as  
12           most recently amended by section 1521(d)(2)(A) of  
13           the National Defense Authorization Act for Fiscal  
14           Year 2017 (Public Law 114–328; 130 Stat. 2577);  
15           and

16           (2) section 1521(d)(1) of the National Defense  
17           Authorization Act for Fiscal Year 2017.

18           (b) USE OF FUNDS.—Section 1513(b)(1) of the Na-  
19           tional Defense Authorization Act for Fiscal Year 2008 is  
20           amended by striking “security forces of Afghanistan” and  
21           inserting “security forces of the Ministry of Defense and  
22           the Ministry of the Interior of the Government of the Is-  
23           lamic Republic of Afghanistan”.

24           (c) EQUIPMENT DISPOSITION.—

1           (1) ACCEPTANCE OF CERTAIN EQUIPMENT.—

2           Subject to paragraph (2), the Secretary of Defense  
3           may accept equipment that is procured using  
4           amounts authorized to be appropriated for the Af-  
5           ghanistan Security Forces Fund by this Act and is  
6           intended for transfer to the security forces of Af-  
7           ghanistan, but is not accepted by such security  
8           forces.

9           (2) CONDITIONS ON ACCEPTANCE OF EQUIP-  
10          MENT.—Before accepting any equipment under the  
11          authority provided by paragraph (1), the Com-  
12          mander of United States forces in Afghanistan shall  
13          make a determination that such equipment was pro-  
14          cured for the purpose of meeting requirements of the  
15          security forces of Afghanistan, as agreed to by both  
16          the Government of Afghanistan and the Government  
17          of the United States, but is no longer required by  
18          such security forces or was damaged before transfer  
19          to such security forces.

20          (3) ELEMENTS OF DETERMINATION.—In mak-  
21          ing a determination under paragraph (2) regarding  
22          equipment, the Commander of United States forces  
23          in Afghanistan shall consider alternatives to the ac-  
24          ceptance of such equipment by the Secretary. An ex-  
25          planation of each determination, including the basis

1 for the determination and the alternatives consid-  
2 ered, shall be included in the relevant quarterly re-  
3 port required under paragraph (5).

4 (4) TREATMENT AS DEPARTMENT OF DEFENSE  
5 STOCKS.—Equipment accepted under the authority  
6 provided by paragraph (1) may be treated as stocks  
7 of the Department of Defense upon notification to  
8 the congressional defense committees of such treat-  
9 ment.

10 (5) QUARTERLY REPORTS ON EQUIPMENT DIS-  
11 POSITION.—

12 (A) IN GENERAL.—Not later than 90 days  
13 after the date of the enactment of this Act and  
14 every 90-day period thereafter during which the  
15 authority provided by paragraph (1) is exer-  
16 cised, the Secretary shall submit to the congress-  
17 sional defense committees a report describing  
18 the equipment accepted during the period cov-  
19 ered by such report under the following:

20 (i) This subsection.

21 (ii) Section 1521(b) of the National  
22 Defense Authorization Act for Fiscal Year  
23 2017 (Public Law 114–328; 130 Stat.  
24 2575).

1 (iii) Section 1531(b) of the National  
2 Defense Authorization Act for Fiscal Year  
3 2016 (Public Law 114–92; 129 Stat.  
4 1088).

5 (iv) Section 1532(b) of the Carl Levin  
6 and Howard P. “Buck” McKeon National  
7 Defense Authorization Act for Fiscal Year  
8 2015 (Public Law 113–291; 128 Stat.  
9 3613).

10 (v) Section 1531(d) of the National  
11 Defense Authorization Act for Fiscal Year  
12 2014 (Public Law 113–66; 127 Stat. 938;  
13 10 U.S.C. 2302 note).

14 (B) ELEMENTS.—Each report under sub-  
15 paragraph (A) shall include a list of all equip-  
16 ment that was accepted during the period cov-  
17 ered by such report and treated as stocks of the  
18 Department of Defense and copies of the deter-  
19 minations made under paragraph (2), as re-  
20 quired by paragraph (3).

21 (d) SECURITY OF AFGHAN WOMEN.—

22 (1) IN GENERAL.—Of the funds available to the  
23 Department of Defense for the Afghan Security  
24 Forces Fund for fiscal year 2019, it is the goal that

1       \$25,000,000, but in no event less than \$10,000,000,  
2       shall be used for—

3               (A) the recruitment, integration, retention,  
4       training, and treatment of women in the Af-  
5       ghan National Defense and Security Forces;  
6       and

7               (B) the recruitment, training, and con-  
8       tracting of female security personnel for future  
9       elections.

10       (2) TYPES OF PROGRAMS AND ACTIVITIES.—

11       Such programs and activities may include—

12               (A) efforts to recruit women into the Af-  
13       ghan National Defense and Security Forces, in-  
14       cluding the special operations forces;

15               (B) programs and activities of the Direc-  
16       torate of Human Rights and Gender Integra-  
17       tion of the Ministry of Defense of Afghanistan  
18       and the Office of Human Rights, Gender and  
19       Child Rights of the Ministry of Interior of Af-  
20       ghanistan;

21               (C) development and dissemination of gen-  
22       der and human rights educational and training  
23       materials and programs within the Ministry of  
24       Defense and the Ministry of Interior of Afghan-  
25       istan;

1 (D) efforts to address harassment and vio-  
2 lence against women within the Afghan Na-  
3 tional Defense and Security Forces;

4 (E) improvements to infrastructure that  
5 address the requirements of women serving in  
6 the Afghan National Defense and Security  
7 Forces, including appropriate equipment for fe-  
8 male security and police forces, and transpor-  
9 tation for policewomen to their station;

10 (F) support for Afghanistan National Po-  
11 lice Family Response Units; and

12 (G) security provisions for high-profile fe-  
13 male police and military officers.

14 (e) ASSESSMENT OF AFGHANISTAN PROGRESS ON  
15 OBJECTIVES.—

16 (1) ASSESSMENT REQUIRED.—Not later than  
17 May 1, 2019, the Secretary of Defense shall, in con-  
18 sultation with the Secretary of State, submit to the  
19 Committee on Armed Services and the Committee on  
20 Foreign Affairs of the House of Representatives and  
21 the Committee on Armed Services and the Com-  
22 mittee on Foreign Relations of the Senate an assess-  
23 ment describing—

1 (A) the progress of the Government of the  
2 Islamic Republic of Afghanistan toward meeting  
3 shared security objectives; and

4 (B) the efforts of the Government of the  
5 Islamic Republic of Afghanistan to manage, em-  
6 ploy, and sustain the equipment and inventory  
7 provided under subsection (a).

8 (2) MATTERS TO BE INCLUDED.—In conducting  
9 the assessment required by paragraph (1), the Sec-  
10 retary of Defense shall include each of the following:

11 (A) A consideration of the extent to which  
12 the Government of Afghanistan has a strategy  
13 for, and has taken steps toward, increased ac-  
14 countability and the reduction of corruption  
15 within the Ministry of Defense and the Ministry  
16 of Interior of Afghanistan.

17 (B) A consideration of the extent to which  
18 the capability and capacity of the Afghan Na-  
19 tional Defense and Security Forces have im-  
20 proved as a result of Afghanistan Security  
21 Forces Fund investment, including through  
22 training, and an articulation of the metrics used  
23 to assess such improvements.

24 (C) A consideration of the extent to which  
25 the Afghan National Defense and Security

1 Forces have been able to increase pressure on  
2 the Taliban, al-Qaeda, the Haqqani network,  
3 and other terrorist organizations, including by  
4 re-taking territory, defending territory, and dis-  
5 rupting attacks.

6 (D) A consideration of the distribution  
7 practices of the Afghan National Defense and  
8 Security Forces and whether the Government of  
9 Afghanistan is ensuring that supplies, equip-  
10 ment, and weaponry supplied by the United  
11 States are appropriately distributed to, and em-  
12 ployed by, security forces charged with fighting  
13 the Taliban and other terrorist organizations.

14 (E) A consideration of the extent to which  
15 the Government of Afghanistan has designated  
16 the appropriate staff, prioritized the develop-  
17 ment of relevant processes, and provided or re-  
18 quested the allocation of resources necessary to  
19 support a peace and reconciliation process in  
20 Afghanistan.

21 (F) A description of the ability of the Min-  
22 istry of Defense and the Ministry of Interior of  
23 Afghanistan to manage and account for pre-  
24 viously divested equipment, including a descrip-  
25 tion of any vulnerabilities or weaknesses of the

1 internal controls of such Ministry of Defense  
2 and Ministry of Interior and any plan in place  
3 to address shortfalls.

4 (G) A description of the monitoring and  
5 evaluation systems in place to ensure assistance  
6 provided under subsection (a) is used only for  
7 the intended purposes.

8 (H) A description of any significant irreg-  
9 ularities in the divestment of equipment to the  
10 Afghan National Defense and Security Forces  
11 during the 5-year period beginning on the date  
12 of the enactment of this Act, including any  
13 major losses of such equipment or any inability  
14 on the part of the Afghan National Defense and  
15 Security Forces to account for equipment so  
16 procured.

17 (I) A description of the sustainment and  
18 maintenance costs required during the 5-year  
19 period beginning on the date of the enactment  
20 of this Act for major weapons platforms pre-  
21 viously divested, and a plan for how the Afghan  
22 National Defense and Security Forces intends  
23 to maintain such platforms in the future.

24 (J) A consideration of the extent to which  
25 the Government of Afghanistan is adhering to

1 conditions for receiving assistance established in  
2 annual financial commitment letters or any  
3 other bilateral agreements with the United  
4 States.

5 (K) A consideration of the extent to which  
6 the Government of Afghanistan has made  
7 progress in achieving security sector bench-  
8 marks as outlined by the United States-Afghan  
9 Compact (commonly known as the “Kabul  
10 Compact”).

11 (L) Such other factors as the Secretaries  
12 consider appropriate.

13 (3) FORM.—The assessment required by para-  
14 graph (1) shall be submitted in unclassified form,  
15 but may include a classified annex.

16 (4) WITHHOLDING OF ASSISTANCE FOR INSUF-  
17 FICIENT PROGRESS.—

18 (A) IN GENERAL.—If the Secretary of De-  
19 fense determines, in coordination with the Sec-  
20 retary of State, pursuant to the assessment  
21 under paragraph (1) that the Government of  
22 Afghanistan has made insufficient progress in  
23 the areas described in paragraph (2), the Sec-  
24 retary of Defense may withhold assistance for  
25 the Afghan National Defense and Security

1 Forces until such time as the Secretary deter-  
2 mines sufficient progress has been made.

3 (B) NOTICE TO CONGRESS.—If the Sec-  
4 retary of Defense withholds assistance under  
5 subparagraph (A), the Secretary shall, in co-  
6 ordination with the Secretary of State, provide  
7 notice to Congress not later than 30 days after  
8 making the decision to withhold such assist-  
9 ance.

10 **SEC. 1224. EXTENSION AND MODIFICATION OF COM-**  
11 **MANDERS' EMERGENCY RESPONSE PRO-**  
12 **GRAM.**

13 (a) EXTENSION.—Section 1201 of the National De-  
14 fense Authorization Act for Fiscal Year 2012 (Public Law  
15 112–81; 125 Stat. 1619), as most recently amended by  
16 section 1211 of the National Defense Authorization Act  
17 for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
18 2477), is further amended—

19 (1) in subsection (a), by striking “December  
20 31, 2018” and inserting “December 31, 2019”;

21 (2) in subsection (b), by striking “fiscal year  
22 2017 and fiscal year 2018” and inserting “fiscal  
23 years 2017 through 2019”; and

24 (3) in subsection (f), by striking “December 31,  
25 2018” and inserting “December 31, 2019”.

1 (b) MODIFICATION.—Subsection (b) of section 1211  
2 of the National Defense Authorization Act for Fiscal Year  
3 2017 (Public Law 114–328; 130 Stat. 2477) is amend-  
4 ed—

5 (1) in the heading, by striking “AND SYRIA”  
6 and inserting “SYRIA, SOMALIA, LIBYA, AND  
7 YEMEN”; and

8 (2) in paragraph (1), by striking “or Syria”  
9 and inserting “Syria, Somalia, Libya, or Yemen”.

10 **SEC. 1225. EXTENSION AND MODIFICATION OF AUTHORITY**  
11 **FOR REIMBURSEMENT OF CERTAIN COALI-**  
12 **TION NATIONS FOR SUPPORT PROVIDED TO**  
13 **UNITED STATES MILITARY OPERATIONS.**

14 (a) EXTENSION.—Subsection (a) of section 1233 of  
15 the National Defense Authorization Act for Fiscal Year  
16 2008 (Public Law 110–181; 122 Stat. 393), as most re-  
17 cently amended by section 1212 of the National Defense  
18 Authorization Act for Fiscal Year 2018 (Public Law 115–  
19 91), is further amended—

20 (1) in the matter preceding paragraph (1), by  
21 striking “October 1, 2017, and ending on December  
22 31, 2018” and inserting “October 1, 2018, and end-  
23 ing on December 31, 2019”; and

24 (2) by amending paragraph (2) to read as fol-  
25 lows:

1           “(2) Pakistan for certain activities meant to en-  
2           hance the security situation in the Afghanistan-Paki-  
3           stan border region pursuant to section 1226 of the  
4           National Defense Authorization Act for Fiscal Year  
5           2016 (22 U.S.C. 2151 note), as amended by the  
6           John S. McCain National Defense Authorization Act  
7           for Fiscal Year 2019.”.

8           (b) MODIFICATION TO LIMITATIONS.—Subsection (d)  
9           of such section is amended—

10           (1) in paragraph (1)—

11           (A) in the first sentence—

12           (i) by striking “October 1, 2017, and  
13           ending on December 31, 2018” and insert-  
14           ing “October 1, 2018, and ending on De-  
15           cember 31, 2019”; and

16           (ii) by striking “\$900,000,000” and  
17           inserting “\$350,000,000”; and

18           (B) by striking the second sentence; and

19           (2) by striking paragraph (3).

20           (c) REPEAL OF PROVISION RELATING TO REIM-  
21           BURSEMENT TO PAKISTAN FOR SECURITY ENHANCEMENT  
22           ACTIVITIES.—Such section is further amended—

23           (1) by striking subsection (e); and

24           (2) by redesignating subsections (f) through (h)  
25           as subsections (e) through (g), respectively.

1 (d) NOTICE TO CONGRESS.—Paragraph (1) of sub-  
2 section (e) of such section, as redesignated by subsection  
3 (c) of this section, is amended by striking the second sen-  
4 tence.

5 **Subtitle C—Matters Relating to**  
6 **Syria, Iraq, and Iran**

7 **SEC. 1231. EXTENSION AND MODIFICATION OF AUTHORITY**  
8 **TO PROVIDE ASSISTANCE TO THE VETTED**  
9 **SYRIAN OPPOSITION.**

10 (a) EXTENSION.—Section 1209(a) of the Carl Levin  
11 and Howard P. “Buck” McKeon National Defense Au-  
12 thorization Act for Fiscal Year 2015 (Public Law 113–  
13 291; 128 Stat. 3559), as most recently amended by sec-  
14 tion 1221(a) of the National Defense Authorization Act  
15 for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
16 2485), is further amended by striking “December 31,  
17 2018” and inserting “December 31, 2019”.

18 (b) LIMITATION ON USE OF FUNDS IN GENERAL.—

19 (1) LIMITATION.—None of the funds authorized  
20 to be appropriated for fiscal year 2019 for the De-  
21 partment of Defense may be obligated or expended  
22 for activities under the authority in section 1209 of  
23 the Carl Levin and Howard P. “Buck” McKeon Na-  
24 tional Defense Authorization Act for Fiscal Year

1       2015, as amended by subsection (a), until the later  
2       of the following:

3               (A) The date on which the President sub-  
4               mits the report on United States strategy in  
5               Syria required by section 1221 of the National  
6               Defense Authorization Act for Fiscal Year 2018  
7               (Public Law 115–91; 131 Stat. 1650).

8               (B) The date that is 30 days after the date  
9               on which the Secretary of Defense submits the  
10              report described in paragraph (2).

11             (2) REPORT.—

12               (A) IN GENERAL.—Not later than 90 days  
13               after the date of the enactment of this Act, the  
14               Secretary shall submit to the congressional de-  
15               fense committees a report setting forth the fol-  
16               lowing:

17                     (i) A description of the efforts the  
18                     United States will undertake to train and  
19                     equip appropriately vetted Syrian opposi-  
20                     tion forces, and a description of any roles  
21                     or contributions of partner countries with  
22                     respect to such efforts.

23                     (ii) A detailed description of the inter-  
24                     nal security forces of the vetted Syrian op-  
25                     position to be trained and equipped under

1 such authority, including a description of  
2 their geographic locations, demographic  
3 profiles, political affiliations, current capa-  
4 bilities, and relation to the objectives under  
5 the authority in section 1209 of the Carl  
6 Levin and Howard P. “Buck” McKeon  
7 National Defense Authorization Act for  
8 Fiscal Year 2015, as amended by sub-  
9 section (a).

10 (iii) An assessment of the current  
11 operational effectiveness of such forces and  
12 their command and control structures.

13 (iv) A detailed description of planned  
14 capabilities, including categories of train-  
15 ing, equipment, financial support,  
16 sustainment, and supplies intended to be  
17 provided to the elements of the vetted Syr-  
18 ian opposition under such authority, and  
19 timelines for delivery.

20 (v) A description of the planned pos-  
21 ture of United States forces and the  
22 planned level of engagement by such forces  
23 with the elements of the vetted Syrian op-  
24 position, including the oversight of equip-  
25 ment provided under such authority and

1 the activities conducted by such vetted Syr-  
2 ian opposition forces.

3 (vi) An explanation of the processes  
4 and mechanisms for local commanders of  
5 the vetted Syrian opposition to exercise  
6 command and control of the elements of  
7 the vetted Syrian opposition after such ele-  
8 ments of the vetted Syrian opposition have  
9 been trained and equipped under such au-  
10 thority.

11 (vii) An explanation of complementary  
12 local governance and other stabilization ac-  
13 tivities in areas in which elements of the  
14 local internal security forces trained and  
15 equipped under such authority will be op-  
16 erating and the relation of such local gov-  
17 ernance and other stabilization activities to  
18 the oversight of such security forces.

19 (B) FORM.—The report required by sub-  
20 paragraph (A) shall be submitted in unclassi-  
21 fied form, but may include a classified annex.

22 (c) REPROGRAMMING REQUIREMENT.—Subsection  
23 (f) of such section 1209, as most recently amended by sec-  
24 tion 1221 of the National Defense Authorization Act for  
25 Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2485),

1 is further amended by striking “December 31, 2018” and  
2 inserting “December 31, 2019”.

3 (d) QUARTERLY PROGRESS REPORT.—

4 (1) IN GENERAL.—The Secretary of Defense, in  
5 coordination with the Secretary of State, shall sub-  
6 mit to the appropriate congressional committees and  
7 leadership of the House of Representatives and the  
8 Senate a progress report under section 1209 of the  
9 Carl Levin and Howard P. “Buck” McKeon Na-  
10 tional Defense Authorization Act for Fiscal Year  
11 2015. Such progress report shall, based on the most  
12 recent quarterly information, include an assessment  
13 of the following:

14 (A) Whether, during the 90-day period, de-  
15 monstrable progress was made—

16 (i) to retake control of territory in  
17 Syria from the Islamic State of Iraq and  
18 Syria (ISIS); or

19 (ii) to stabilize areas in Syria formerly  
20 held by the Islamic State of Iraq and  
21 Syria.

22 (B) Whether, during such period, the vet-  
23 ted Syrian opposition tasked with conducting  
24 local security operations that United States  
25 forces are training and equipping under the au-

1           thority in section 1209 of the Carl Levin and  
2           Howard P. “Buck” McKeon National Defense  
3           Authorization Act for Fiscal Year 2015, as  
4           amended by subsection (a), were demographi-  
5           cally representative of the local communities  
6           and serve local governance bodies that are simi-  
7           larly representative of the local communities.

8           (C) Whether, during such period, the De-  
9           partment of Defense took actions to mitigate  
10          any pause in offensive operations against the  
11          Islamic State of Iraq and Syria through alter-  
12          native approaches to the training, equipping,  
13          and assistance of the vetted Syrian opposition.

14          (D) Whether, during such period, support  
15          provided under the authority referred to in sub-  
16          paragraph (B) was consistent with United  
17          States standards regarding respect for human  
18          rights, rule of law, and support for stable and  
19          equitable governance.

20          (E) Whether, during such period, members  
21          of the vetted Syrian opposition receiving sup-  
22          port under the authority referred to in subpara-  
23          graph (B) demonstrated respect for human  
24          rights and rule of law, violations of human  
25          rights and rule of law by such members were

1 appropriately investigated, and the individuals  
2 responsible for such violations were appro-  
3 priately held accountable.

4 (2) FORM.—The report required by paragraph  
5 (1) shall be submitted in unclassified form, but may  
6 include a classified annex.

7 (3) APPROPRIATE CONGRESSIONAL COMMIT-  
8 TEES DEFINED.—In this subsection, the term “ap-  
9 propriate congressional committees” means—

10 (A) the congressional defense committees;

11 and

12 (B) the Committee on Foreign Relations of  
13 the Senate and the Committee on Foreign Af-  
14 fairs of the House of Representatives.

15 **SEC. 1232. SYRIAN WAR CRIMES ACCOUNTABILITY.**

16 (a) REPORT ON ACCOUNTABILITY FOR WAR CRIMES,  
17 CRIMES AGAINST HUMANITY, AND GENOCIDE IN  
18 SYRIA.—

19 (1) IN GENERAL.—The Secretary of State shall  
20 submit a report on war crimes, crimes against hu-  
21 manity, and genocide in Syria to the appropriate  
22 congressional committees not later than 90 days  
23 after the date of the enactment of this Act and an-  
24 other such report not later than 180 days after the

1 Secretary of State determines that the violence in  
2 Syria has ceased.

3 (2) ELEMENTS.—The reports required under  
4 paragraph (1) shall include—

5 (A) a description of alleged war crimes,  
6 crimes against humanity, and genocide per-  
7 petrated during the civil war in Syria, includ-  
8 ing—

9 (i) incidents that may constitute war  
10 crimes, crimes against humanity, or geno-  
11 cide committed by the regime of President  
12 Bashar al-Assad and all forces fighting on  
13 its behalf;

14 (ii) incidents that may constitute war  
15 crimes, crimes against humanity, or geno-  
16 cide committed by violent extremist  
17 groups, anti-government forces, and any  
18 other combatants in the conflict;

19 (iii) any incidents that may violate the  
20 principle of medical neutrality and, if pos-  
21 sible, the identification of the individual or  
22 individuals who engaged in or organized  
23 such incidents; and

24 (iv) if possible, a description of the  
25 conventional and unconventional weapons

1 used for such crimes and the origins of  
2 such weapons; and

3 (B) a description and assessment by the  
4 Department of State Office of Global Criminal  
5 Justice, the United States Agency for Inter-  
6 national Development, the Department of Jus-  
7 tice, and other appropriate agencies of pro-  
8 grams that the United States Government has  
9 undertaken to ensure accountability for war  
10 crimes, crimes against humanity, and genocide  
11 perpetrated against the people of Syria by the  
12 regime of President Bashar al-Assad, violent  
13 extremist groups, and other combatants in-  
14 volved in the conflict, including programs—

15 (i) to train investigators within and  
16 outside of Syria on how to document, in-  
17 vestigate, develop findings of, and identify  
18 and locate alleged perpetrators of war  
19 crimes, crimes against humanity, or geno-  
20 cide, including—

21 (I) the number of United States  
22 Government or contract personnel  
23 currently designated to work full-time  
24 on these issues; and

1 (II) the identification of the au-  
2 thorities and appropriations being  
3 used to support such training efforts;

4 (ii) to promote and prepare for a  
5 transitional justice process or processes for  
6 the perpetrators of war crimes, crimes  
7 against humanity, and genocide in Syria  
8 beginning in March 2011;

9 (iii) to document, collect, preserve,  
10 and protect evidence of war crimes, crimes  
11 against humanity, and genocide in Syria,  
12 including support for Syrian, foreign, and  
13 international nongovernmental organiza-  
14 tions, and other entities, including the  
15 International, Impartial and Independent  
16 Mechanism to Assist in the Investigation  
17 and Prosecution of Persons Responsible for  
18 the Most Serious Crimes under Inter-  
19 national Law Committed in the Syrian  
20 Arab Republic since March 2011 and the  
21 Independent International Commission of  
22 Inquiry on the Syrian Arab Republic; and

23 (iv) to assess the influence of account-  
24 ability measures on efforts to reach a nego-

1                    tiated settlement to the Syrian conflict  
2                    during the reporting period.

3                    (3) FORM.—The reports required under para-  
4                    graph (1) may be submitted in unclassified or classi-  
5                    fied form, but shall include a publicly available  
6                    annex.

7                    (4) PROTECTION OF WITNESSES AND EVI-  
8                    DENCE.—The Secretary shall take due care to en-  
9                    sure that the identification of witnesses and physical  
10                   evidence are not publicly disclosed in a manner that  
11                   might place such persons at risk of harm or encour-  
12                   age the destruction of evidence by the Government  
13                   of Syria, violent extremist groups, anti-government  
14                   forces, or any other combatants or participants in  
15                   the conflict.

16                   (b) TRANSITIONAL JUSTICE STUDY.—Not later than  
17                   180 days after the date of the enactment of this Act, the  
18                   Secretary of State (acting through appropriate officials  
19                   and offices, which may include the Office of Global Crimi-  
20                   nal Justice), after consultation with the Department of  
21                   Justice, the United States Agency for International Devel-  
22                   opment, and other appropriate Federal agencies, shall—

23                    (1) complete a study of the feasibility and desir-  
24                    ability of potential transitional justice mechanisms  
25                    for Syria, including a hybrid tribunal, to address

1 war crimes, crimes against humanity, and genocide  
2 perpetrated in Syria beginning in March 2011; and

3 (2) submit a detailed report of the results of  
4 the study conducted under paragraph (1), including  
5 recommendations on which transitional justice mech-  
6 anisms the United States Government should sup-  
7 port, why such mechanisms should be supported,  
8 and what type of support should be offered, to—

9 (A) the Committee on Foreign Relations,  
10 the Committee on the Judiciary, and the Com-  
11 mittee on Appropriations of the Senate; and

12 (B) the Committee on Foreign Affairs, the  
13 Committee on the Judiciary, and the Com-  
14 mittee on Appropriations of the House of Rep-  
15 resentatives.

16 (c) TECHNICAL ASSISTANCE AUTHORIZED.—

17 (1) IN GENERAL.—The Secretary of State (act-  
18 ing through appropriate officials and offices, which  
19 may include the Office of Global Criminal Justice),  
20 after consultation with the Department of Justice  
21 and other appropriate Federal agencies, is author-  
22 ized to provide appropriate assistance to support en-  
23 tities that, with respect to war crimes, crimes  
24 against humanity, and genocide perpetrated by the  
25 regime of President Bashar al-Assad, all forces

1 fighting on its behalf, and all non-state armed  
2 groups fighting in the country, including violent ex-  
3 tremist groups in Syria beginning in March 2011—

4 (A) identify suspected perpetrators of war  
5 crimes, crimes against humanity, and genocide;

6 (B) collect, document, and protect evidence  
7 of crimes and preserve the chain of custody for  
8 such evidence;

9 (C) conduct criminal investigations;

10 (D) build Syria's investigative and judicial  
11 capacities and support prosecutions in the do-  
12 mestic courts of Syria, provided that President  
13 Bashar al-Assad is no longer in power;

14 (E) support investigations by third-party  
15 states, as appropriate; or

16 (F) protect witnesses that may be helpful  
17 to prosecutions or other transitional justice  
18 mechanisms.

19 (2) *ADDITIONAL ASSISTANCE.*—The Secretary  
20 of State, after consultation with appropriate Federal  
21 agencies and the appropriate congressional commit-  
22 tees, and taking into account the findings of the  
23 transitional justice study required under subsection  
24 (b), is authorized to provide assistance to support  
25 the creation and operation of transitional justice

1 mechanisms, including a potential hybrid tribunal, to  
2 prosecute individuals suspected of committing war  
3 crimes, crimes against humanity, or genocide in  
4 Syria beginning in March 2011.

5 (3) BRIEFING.—The Secretary of State shall  
6 provide detailed, biannual briefings to the appro-  
7 priate congressional committees describing the as-  
8 sistance provided to entities described in paragraph  
9 (1).

10 (d) STATE DEPARTMENT REWARDS FOR JUSTICE  
11 PROGRAM.—Section 36(b)(10) of the State Department  
12 Basic Authorities Act of 1956 (22 U.S.C. 2708(b)(10))  
13 is amended by inserting “(including war crimes, crimes  
14 against humanity, or genocide committed in Syria begin-  
15 ning in March 2011)” after “genocide”.

16 (e) INDEPENDENT INTERNATIONAL COMMISSION OF  
17 INQUIRY ON THE SYRIAN ARAB REPUBLIC.—The Sec-  
18 retary of State, acting through the United States Perma-  
19 nent Representative to the United Nations, should use the  
20 voice, vote, and influence of the United States at the  
21 United Nations to advocate that the United Nations  
22 Human Rights Council, while the United States remains  
23 a member, annually extend the mandate of the Inde-  
24 pendent International Commission of Inquiry on the Syr-  
25 ian Arab Republic until the Commission has completed its

1 investigation of all alleged violations of international  
2 human rights laws beginning in March 2011 in the Syrian  
3 Arab Republic.

4 (f) EFFECT OF SECTION.—Nothing in this section  
5 shall be construed to violate the American  
6 Servicemembers’ Protection Act of 2002 (22 U.S.C. 7421  
7 et seq.).

8 (g) DEFINITIONS.—In this section:

9 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
10 TEES.—The term “appropriate congressional com-  
11 mittees” means—

12 (A) the Committee on Foreign Relations;  
13 the Committee on Armed Services, and the  
14 Committee on the Judiciary of the Senate; and

15 (B) the Committee on Foreign Affairs, the  
16 Committee on Armed Services, and the Com-  
17 mittee on the Judiciary of the House of Rep-  
18 resentatives.

19 (2) GENOCIDE.—The term “genocide” means  
20 any offense described in section 1091(a) of title 18,  
21 United States Code.

22 (3) HYBRID TRIBUNAL.—The term “hybrid tri-  
23 bunal” means a temporary criminal tribunal that in-  
24 volves a combination of domestic and international  
25 lawyers, judges, and other professionals to prosecute

1 individuals suspected of committing war crimes,  
2 crimes against humanity, or genocide.

3 (4) TRANSITIONAL JUSTICE.—The term “tran-  
4 sitional justice” means the range of judicial, non-  
5 judicial, formal, informal, retributive, and restorative  
6 measures employed by countries transitioning out of  
7 armed conflict or repressive regimes—

8 (A) to redress legacies of atrocities; and

9 (B) to promote long-term, sustainable  
10 peace.

11 (5) WAR CRIME.—The term “war crime” has  
12 the meaning given the term in section 2441(c) of  
13 title 18, United States Code.

14 **SEC. 1233. EXTENSION OF AUTHORITY TO PROVIDE ASSIST-**  
15 **ANCE TO COUNTER THE ISLAMIC STATE OF**  
16 **IRAQ AND SYRIA.**

17 (a) EXTENSION.—Subsection (a) of section 1236 of  
18 the Carl Levin and Howard P. “Buck” McKeon National  
19 Defense Authorization Act for Fiscal Year 2015 (Public  
20 Law 113–291; 128 Stat. 3558), as most recently amended  
21 by section 1222 of the National Defense Authorization Act  
22 for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
23 1651), is further amended by striking “December 31,  
24 2019” and inserting “December 31, 2020”.

1 (b) FUNDING.—Subsection (g) of such section 1236,  
2 as most recently so amended, is further amended—

3 (1) by striking “for the Department of Defense  
4 for Overseas Contingency Operations for fiscal year  
5 2018” and inserting “for the Department of Defense  
6 for Overseas Contingency Operations for fiscal year  
7 2019”; and

8 (2) by striking “\$1,269,000,000” and inserting  
9 “\$850,000,000”.

10 (c) LIMITATION OF USE OF FISCAL YEAR 2019

11 FUNDS.—Of the amounts authorized to be appropriated  
12 for fiscal year 2019 by this Act for activities under the  
13 authority in section 1236 of the Carl Levin and Howard  
14 P. “Buck” McKeon National Defense Authorization Act  
15 for Fiscal Year 2015, as amended by this section, not  
16 more than \$450,000,000 may be obligated or expended for  
17 such activities until the date on which the Secretary of  
18 Defense has submitted to the congressional defense com-  
19 mittees each of the following:

20 (1) The report on the United States strategy in  
21 Iraq required by the joint explanatory statement of  
22 the committee of the conference accompanying Con-  
23 ference Report 115–404.

24 (2) A report setting forth the following:

1 (A) An explanation of the purpose of a  
2 continuing United States military presence in  
3 Iraq, including—

4 (i) an explanation of the national se-  
5 curity objectives of the United States with  
6 respect to Iraq;

7 (ii) a detailed description of—

8 (I) the size of a continuing  
9 United States military presence in  
10 Iraq; and

11 (II) the roles and missions asso-  
12 ciated with a continuing United  
13 States military presence in Iraq; and

14 (iii) a delineation of the responsibil-  
15 ities in connection with a continuing  
16 United States military presence in Iraq  
17 of—

18 (I) the Combined Joint Task  
19 Force Operation Inherent Resolve (or  
20 a successor task force);

21 (II) the Office of Security Co-  
22 operation in Iraq; and

23 (III) other United States em-  
24 bassy-based military personnel.

1 (B) An identification of the specific units  
2 of the Iraqi Security Forces to receive training  
3 and equipment or other support in fiscal year  
4 2019.

5 (C) A plan for ensuring that any vehicles  
6 and equipment provided to the Iraqi Security  
7 Forces pursuant to that authority are main-  
8 tained in subsequent fiscal years using funds of  
9 Iraq.

10 (D) An estimate, by fiscal year, of the  
11 funding anticipated to be required for support  
12 of the Iraqi Security Forces pursuant to that  
13 authority during the five fiscal years beginning  
14 with fiscal year 2020.

15 (E) A detailed plan for the obligation and  
16 expenditure of the funds requested for fiscal  
17 year 2019 for the Department of Defense for  
18 Operational Sustainment of the Iraqi Security  
19 Forces.

20 (F) A plan for the transition to the Gov-  
21 ernment of Iraq of responsibility for funding for  
22 Operational Sustainment of the Iraqi Security  
23 Forces for fiscal years after fiscal year 2019.

24 (G) A description of any actions carried  
25 out under this paragraph.

1 (d) SENSE OF CONGRESS.—It is the sense of the  
2 Congress that—

3 (1) the Peshmerga forces of the Kurdistan Re-  
4 gion of Iraq have made, and continue to make, sig-  
5 nificant contributions to the United States-led cam-  
6 paign to degrade, dismantle, and ultimately defeat  
7 the Islamic State of Iraq and Syria (ISIS) in Iraq;

8 (2) a lasting defeat of ISIS is critical to main-  
9 taining a stable and tolerant Iraq in which all faiths,  
10 sects, and ethnicities are afforded equal protection  
11 and full integration into the Government and society  
12 of Iraq; and

13 (3) in support of counter-ISIS operations and  
14 in conjunction with the Central Government of Iraq,  
15 the United States should continue to provide oper-  
16 ational sustainment, as appropriate, to the Ministry  
17 of Peshmerga forces of the Kurdistan Region of Iraq  
18 so that the Peshmerga forces can more effectively  
19 partner with the Iraqi Security Forces, the United  
20 States, and other international Coalition members to  
21 consolidate gains, hold territory, and protect infra-  
22 structure from ISIS and its affiliates in an effort to  
23 deal a lasting defeat to ISIS and prevent its reemer-  
24 gence in Iraq.

25 (e) QUARTERLY PROGRESS REPORT.—

1           (1) IN GENERAL.—The Secretary of Defense, in  
2           coordination with the Secretary of State, shall sub-  
3           mit to the appropriate congressional committees and  
4           leadership of the House of Representatives and the  
5           Senate a progress report under section 1236 of the  
6           Carl Levin and Howard P. “Buck” McKeon Na-  
7           tional Defense Authorization Act for Fiscal Year  
8           2015, which shall be provided in unclassified form  
9           with a classified annex if necessary. Such progress  
10          report shall, based on the most recent quarterly in-  
11          formation, include an assessment of the following:

12                   (A) The extent to which any forces associ-  
13                   ated with Iran’s Revolutionary Guard Corps  
14                   (IRGC) have been incorporated into the Iraqi  
15                   Security Forces.

16                   (B) Any instances in which forces associ-  
17                   ated with Iran’s Revolutionary Guard Corps  
18                   have acquired United States-provided equip-  
19                   ment and training.

20                   (C) The extent to which United States-pro-  
21                   vided equipment is controlled by unauthorized  
22                   units, determined by vetting required in sub-  
23                   section (e) of section 1236 of the Carl Levin  
24                   and Howard P. “Buck” McKeon National De-  
25                   fense Authorization Act for Fiscal Year 2015,

1 or is not accounted for by the Government of  
2 Iraq, including a list of major end items pro-  
3 vided to the Government of Iraq that are con-  
4 trolled by unauthorized forces or unaccounted  
5 for.

6 (D) Actions taken by the Government of  
7 Iraq to repossess United States-provided equip-  
8 ment from unauthorized forces.

9 (E) The means by which the United States  
10 Armed Forces shares operational information  
11 with the Iraqi Security Forces and a description  
12 of any known instances in which any forces as-  
13 sociated with Iran’s Revolutionary Guard Corps  
14 have gained unauthorized access to such oper-  
15 ational information.

16 (2) DEFINITION.—In this subsection, the term  
17 “appropriate congressional committees” means—

18 (A) the congressional defense committees;  
19 and

20 (B) the Committee on Foreign Relations of  
21 the Senate and the Committee on Foreign Af-  
22 fairs of the House of Representatives.

1 **SEC. 1234. LIMITATION ON ASSISTANCE TO THE GOVERN-**  
2 **MENT OF IRAQ.**

3 None of the funds authorized to be appropriated or  
4 otherwise made available by this Act for assistance to the  
5 Government of Iraq may be obligated or expended by the  
6 United States to provide assistance to any group that is,  
7 or that is known to be affiliated with, the Iranian Revolu-  
8 tionary Guard Corps—Quds Force or a state sponsor of  
9 terrorism.

10 **SEC. 1235. EXTENSION AND MODIFICATION OF AUTHORITY**  
11 **TO SUPPORT OPERATIONS AND ACTIVITIES**  
12 **OF THE OFFICE OF SECURITY COOPERATION**  
13 **IN IRAQ.**

14 (a) **EXTENSION OF AUTHORITY.**—Subsection (f)(1)  
15 of section 1215 of the National Defense Authorization Act  
16 for Fiscal Year 2012 (10 U.S.C. 113 note) is amended  
17 by striking “fiscal year 2018” and inserting “fiscal year  
18 2019”.

19 (b) **AMOUNT AVAILABLE.**—

20 (1) **IN GENERAL.**—Such section is further  
21 amended—

22 (A) in subsection (c), by striking “fiscal  
23 year 2018 may not exceed \$42,000,000” and  
24 inserting “fiscal year 2019 may not exceed  
25 \$45,300,000”; and

1 (B) in subsection (d), by striking “fiscal  
2 year 2018” and inserting “fiscal year 2019”.

3 (2) LIMITATION OF USE OF FISCAL YEAR 2019  
4 FUNDS PENDING REPORTS.—Of the amount avail-  
5 able for fiscal year 2019 for section 1215 of the Na-  
6 tional Defense Authorization Act for Fiscal Year  
7 2012, as amended by this section, not more than an  
8 amount equal to 25 percent of such amount may be  
9 obligated or expended for the Office of Security Co-  
10 operation in Iraq until 30 days after the later of—

11 (A) the date on which the report on the  
12 United States strategy on Iraq required by the  
13 joint explanatory statement of the committee of  
14 the conference accompanying Conference Re-  
15 port 115–404 is submitted to the congressional  
16 defense committees; and

17 (B) the date on which the report required  
18 by subsection (d)(1) is submitted to the appro-  
19 priate committees of Congress.

20 (c) SOURCE OF FUNDS.—Subsection (d) of such sec-  
21 tion is amended by striking “fiscal year 2018” and insert-  
22 ing “fiscal year 2019”.

23 (d) REPORT.—

24 (1) IN GENERAL.—Not later than 180 days  
25 after the date of the enactment of this Act, the Sec-

1       retary of Defense, in cooperation with the Secretary  
2       of State, shall submit to the appropriate committees  
3       of Congress a report on the Office of Security Co-  
4       operation in Iraq.

5               (2) ELEMENTS.—The report required by para-  
6       graph (1) shall include the following:

7               (A) A description of the enduring planned  
8       size and missions of the Office of Security Co-  
9       operation in Iraq after the cessation of major  
10      combat operations against the Islamic State of  
11      Iraq and Syria.

12              (B) A description of the relationship be-  
13      tween the Office of Security Cooperation in  
14      Iraq and any planned enduring presence of  
15      other United States forces in Iraq.

16              (C) A detailed description of any activity  
17      to be conducted by the Office of Security Co-  
18      operation in Iraq in fiscal year 2019.

19              (D) A plan and timeline for the normaliza-  
20      tion of the Office of Security Cooperation in  
21      Iraq to conform to other offices of security co-  
22      operation, including the transition of funding  
23      from the Department of Defense to the Depart-  
24      ment of State by the beginning of fiscal year  
25      2020.

1 (E) Such other matters with respect to the  
2 Office of Security Cooperation in Iraq as the  
3 Secretary of Defense and the Secretary of State  
4 consider appropriate.

5 (e) APPROPRIATE COMMITTEES OF CONGRESS DE-  
6 FINED.—In this section, the term “appropriate commit-  
7 tees of Congress” means—

8 (1) the Committee on Armed Services and the  
9 Committee on Foreign Relations of the Senate; and

10 (2) the Committee on Armed Services and the  
11 Committee on Foreign Affairs of the House of Rep-  
12 resentatives.

13 **SEC. 1236. MODIFICATION OF ANNUAL REPORT ON MILI-**  
14 **TARY POWER OF IRAN.**

15 Section 1245(b) of the National Defense Authoriza-  
16 tion Act for Fiscal Year 2010 (10 U.S.C. 113 note) is  
17 amended—

18 (1) in paragraph (3)(B), by inserting “the  
19 Houthis,” after “ Hamas,”; and

20 (2) in paragraph (7)—

21 (A) by inserting “the Russian Federation,”  
22 after “Pakistan,”; and

23 (B) by inserting “trafficking or” before  
24 “development”.

1 **SEC. 1237. STRATEGY TO COUNTER DESTABILIZING ACTIVI-**  
2 **TIES OF IRAN.**

3 (a) STRATEGY AUTHORIZED.—

4 (1) IN GENERAL.—The Secretary of Defense,  
5 with the concurrence of the Secretary of State, may  
6 develop a strategy with foreign partners to counter  
7 the destabilizing activities of Iran.

8 (2) ELEMENTS.—The strategy described in  
9 paragraph (1)—

10 (A) should identify specific countries in  
11 which Iran and Iranian-backed entities are op-  
12 erating; and

13 (B) should establish a cooperative frame-  
14 work that includes, as appropriate—

15 (i) investing in intelligence, surveil-  
16 lance, and reconnaissance capabilities;

17 (ii) investing in mine countermeasures  
18 resources and platforms;

19 (iii) investing in integrated air and  
20 missile defense platforms and technologies;

21 (iv) sharing intelligence and data be-  
22 tween the United States and such foreign  
23 countries;

24 (v) investing in cyber security and  
25 cyber defense capabilities;

1 (vi) engaging in combined planning  
2 and exercises;

3 (vii) engaging in defense education,  
4 institution building, doctrinal development,  
5 and reform; and

6 (viii) assessing Iran's destabilizing ac-  
7 tivities in the countries identified under  
8 subparagraph (A) and the implications  
9 thereof.

10 (b) REPORT.—Not later than 180 days after the date  
11 of the enactment of this Act, and annually thereafter  
12 through December 31, 2021, the Secretary of Defense, in  
13 consultation with the Secretary of State, should submit  
14 to the congressional defense committees and the Com-  
15 mittee on Foreign Relations of the Senate and the Com-  
16 mittee on Foreign Affairs of the House of Representatives  
17 a report on actions taken to enhance cooperation and en-  
18 courage military-to-military engagement between the  
19 United States and foreign partners with the goal of coun-  
20 tering the destabilizing actions of Iran and, if applicable,  
21 the strategy authorized by subsection (a).

1 **Subtitle D—Matters Relating to the**  
2 **Russian Federation**

3 **SEC. 1241. PROHIBITION ON AVAILABILITY OF FUNDS RE-**  
4 **LATING TO SOVEREIGNTY OF THE RUSSIAN**  
5 **FEDERATION OVER CRIMEA.**

6 (a) PROHIBITION.—None of the funds authorized to  
7 be appropriated by this Act or otherwise made available  
8 for fiscal year 2019 for the Department of Defense may  
9 be obligated or expended to implement any activity that  
10 recognizes the sovereignty of the Russian Federation over  
11 Crimea.

12 (b) WAIVER.—The Secretary of Defense, with the  
13 concurrence of the Secretary of State, may waive the pro-  
14 hibition under subsection (a) if the Secretary of Defense—

15 (1) determines that to do so is in the national  
16 security interest of the United States; and

17 (2) submits to the Committee on Armed Serv-  
18 ices and the Committee on Foreign Relations of the  
19 Senate and the Committee on Armed Services and  
20 the Committee on Foreign Affairs of the House of  
21 Representatives a notification of the waiver, along  
22 with a justification of the reason for seeking such  
23 waiver, at the time the waiver is invoked.

1 **SEC. 1242. LIMITATION ON AVAILABILITY OF FUNDS RELAT-**  
2 **ING TO IMPLEMENTATION OF THE OPEN**  
3 **SKIES TREATY.**

4 (a) PROHIBITION ON ACTIVITIES TO MODIFY  
5 UNITED STATES AIRCRAFT.—

6 (1) IN GENERAL.—None of the funds author-  
7 ized to be appropriated by this Act or otherwise  
8 made available for fiscal year 2019 for research, de-  
9 velopment, test, and evaluation, Air Force, for arms  
10 control implementation (PE 0305145F), Aircraft  
11 Procurement, Air Force (line item C135B0/C-  
12 135B), or procurement, Air Force, for digital visual  
13 imaging system (BA-05, Line Item #1900) may be  
14 obligated or expended to carry out any activities to  
15 modify any United States aircraft for purposes of  
16 implementing the Open Skies Treaty until the Presi-  
17 dent submits to the appropriate congressional com-  
18 mittees the certification described in paragraph (2).

19 (2) CERTIFICATION.—

20 (A) IN GENERAL.—The certification de-  
21 scribed in this paragraph is a certification of  
22 the President that—

23 (i) the President has imposed treaty  
24 violations responses and legal counter-  
25 measures on the Russian Federation for its  
26 violations of the Open Skies Treaty; and

1 (ii) the President has fully informed  
2 the appropriate congressional committees  
3 of such responses and countermeasures.

4 (B) DELEGATION.—The President may  
5 delegate the responsibility for making a certifi-  
6 cation under subparagraph (A) to the Secretary  
7 of the State.

8 (3) APPROPRIATE CONGRESSIONAL COMMIT-  
9 TEES DEFINED.—In this subsection, the term “ap-  
10 propriate congressional committees” means—

11 (A) the congressional defense committees;  
12 and

13 (B) the Committee on Foreign Relations of  
14 the Senate and the Committee on Foreign Af-  
15 fairs of the House of Representatives.

16 (b) LIMITATION ON USE OF FUNDS TO VOTE OR AP-  
17 PROVE CERTAIN IMPLEMENTING DECISIONS OF THE  
18 OPEN SKIES CONSULTATIVE COMMISSION.—

19 (1) IN GENERAL.—None of the funds author-  
20 ized to be appropriated or otherwise made available  
21 by this Act or any other Act for fiscal year 2019  
22 may be used to vote to approve or otherwise adopt  
23 any implementing decision of the Open Skies Con-  
24 sultative Commission pursuant to Article X of the  
25 Open Skies Treaty to authorize approval of requests

1 by state parties to the Treaty to certify infra-red or  
2 synthetic aperture radar sensors pursuant to Article  
3 IV of the Treaty unless and until the following re-  
4 quirements are met:

5 (A) The Secretary of Defense, jointly with  
6 the relevant United States Government officials,  
7 submits to the appropriate congressional com-  
8 mittees the following:

9 (i) A certification that the imple-  
10 menting decision would not be detrimental  
11 or otherwise harmful to the national secu-  
12 rity of the United States.

13 (ii) A report on the Open Skies Trea-  
14 ty that includes the following:

15 (I) The annual costs to the  
16 United States associated with counter-  
17 measures to mitigate potential abuses  
18 of observation flights by the Russian  
19 Federation carried out under the  
20 Treaty over European and United  
21 States territories involving infra-red  
22 or synthetic aperture radar sensors.

23 (II) A plan, and its estimated  
24 cost through December 31, 2023, to  
25 replace the Treaty architecture with

1 an increased sharing of overhead com-  
2 mercial imagery, consistent with  
3 United States national security, with  
4 covered state parties, excluding the  
5 Russian Federation, compared with  
6 the current cost of implementing the  
7 Open Skies Treaty, including pro-  
8 posed aircraft recapitalization,  
9 through December 31, 2023.

10 (III) An evaluation by the Direc-  
11 tor of National Intelligence of matters  
12 concerning how an observation flight  
13 described in clause (i) could implicate  
14 intelligence activities of the Russian  
15 Federation in the United States and  
16 United States counterintelligence ac-  
17 tivities and vulnerabilities.

18 (IV) An assessment of how such  
19 information is used by the Russian  
20 Federation, for what purpose, and  
21 how the information fits into the Rus-  
22 sian Federation's overall collection  
23 posture.

24 (B) Not later than 90 days before the date  
25 on which the United States votes to approve or

1 otherwise adopt any such implementing deci-  
2 sion, the President shall submit to the appro-  
3 priate congressional committees a certification  
4 that—

5 (i) the Russian Federation—

6 (I) is in complete compliance  
7 with its obligations under the Open  
8 Skies Treaty;

9 (II) is not exceeding the imagery  
10 limits set forth in the Treaty; and

11 (III) is allowing observation  
12 flights by covered state parties over  
13 all of Moscow, Chechnya, Kaliningrad,  
14 and within 10 kilometers of its border  
15 with Georgia's occupied territories of  
16 Abkhazia and South Ossetia without  
17 restriction and without inconsistency  
18 to requirements under the Treaty; and

19 (ii) covered state parties have been  
20 notified and briefed, consistent with pro-  
21 tection of sources and methods, on con-  
22 cerns of the intelligence community (as de-  
23 fined in section 3 of the National Security  
24 Act of 1947 (50 U.S.C. 3003)) regarding

1           infra-red or synthetic aperture radar sen-  
2           sors used under the Open Skies Treaty.

3           (2) WAIVER.—

4           (A) IN GENERAL.—The President may  
5           waive the application of paragraph (1)(B) if the  
6           President determines that—

7                   (i) the waiver is in the national secu-  
8                   rity of the United States; and

9                   (ii) the Russian Federation has taken  
10                  clear and verifiable action to return to  
11                  compliance with the Open Skies Treaty.

12          (B) DELEGATION.—

13                  (i) IN GENERAL.—The President may  
14                  delegate the authority under subparagraph  
15                  (A) to waive the application of paragraph  
16                  (1)(B) to the Secretary of State, in con-  
17                  sultation with the Secretary of Defense  
18                  and the Director of National Intelligence.

19                  (ii) REPORT.—Not later than 30 days  
20                  prior to a waiver taking effect pursuant to  
21                  a delegation of the authority under sub-  
22                  paragraph (A) to waive the application of  
23                  paragraph (1)(B), the Secretary of State,  
24                  the Secretary of Defense, and the Director  
25                  of National Intelligence shall submit to the

1 appropriate congressional committees a re-  
2 port that contains the views of such Secre-  
3 taries and Director with respect to the  
4 waiver.

5 (c) FORM.—Each certification and report required  
6 under this section shall be submitted in unclassified form,  
7 but may contain a classified annex if necessary.

8 (d) DEFINITIONS.—Except as otherwise provided, in  
9 this section:

10 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
11 TEES.—The term “appropriate congressional com-  
12 mittees” means—

13 (A) the Committee on Armed Services, the  
14 Committee on Foreign Relations, and the Select  
15 Committee on Intelligence of the Senate; and

16 (B) the Committee on Armed Services, the  
17 Committee on Foreign Affairs, and the Perma-  
18 nent Select Committee on Intelligence of the  
19 House of Representatives.

20 (2) COVERED STATE PARTY.—The term “cov-  
21 ered state party” means a foreign country that—

22 (A) is a state party to the Open Skies  
23 Treaty; and

24 (B) is a United States ally.

1           (3) INFRA-RED OR SYNTHETIC APERTURE  
2           RADAR SENSOR.—The term “infra-red or synthetic  
3           aperture radar sensor” means a sensor that is classi-  
4           fied as—

5                   (A) an infra-red line-scanning device under  
6                   category C of paragraph 1 of Article IV of the  
7                   Open Skies Treaty; or

8                   (B) a sideways-looking synthetic aperture  
9                   radar under category D of paragraph 1 of Arti-  
10                  cle IV of the Open Skies Treaty.

11           (4) OBSERVATION FLIGHT.—The term “obser-  
12           vation flight” has the meaning given such term in  
13           Article II of the Open Skies Treaty.

14           (5) OPEN SKIES TREATY; TREATY.—The term  
15           “Open Skies Treaty” or “Treaty” means the Treaty  
16           on Open Skies, done at Helsinki March 24, 1992,  
17           and entered into force January 1, 2002.

18           (6) RELEVANT UNITED STATES GOVERNMENT  
19           OFFICIALS.—The term “relevant United States Gov-  
20           ernment officials” means the following:

21                   (A) The Secretary of Energy.

22                   (B) The Secretary of Homeland Security.

23                   (C) The Director of the Federal Bureau of  
24           Investigation.

25                   (D) The Director of National Intelligence.

1           (E) The Commander of U.S. Strategic  
2           Command and the Commander of U.S. North-  
3           ern Command in the case of an observation  
4           flight over the territory of the United States.

5           (F) The Commander of U.S. European  
6           Command in the case of an observation flight  
7           other than an observation flight described in  
8           subparagraph (E).

9           (7) SENSOR.—The term “sensor” has the  
10          meaning given such term in Article II of the Open  
11          Skies Treaty.

12 **SEC. 1243. DETERMINATION REQUIRED REGARDING MATE-**  
13 **RIAL BREACH OF INF TREATY BY THE RUS-**  
14 **SIAN FEDERATION.**

15          (a) DETERMINATION REQUIRED.—Not later than  
16          January 15, 2019, the President shall submit to the ap-  
17          propriate congressional committees a determination  
18          whether—

19               (1) the Russian Federation is in material  
20          breach of its obligations under the INF Treaty; and

21               (2) the prohibitions set forth in Article VI of  
22          the INF Treaty remain binding on the United  
23          States as a matter of United States law.

24          (b) DEFINITIONS.—In this section:

1           (1) APPROPRIATE CONGRESSIONAL COMMIT-  
2           TEES.—The term “appropriate congressional com-  
3           mittees” means—

4                   (A) the congressional defense committees;  
5           and

6                   (B) the Committee on Foreign Relations of  
7           the Senate and the Committee on Foreign Af-  
8           fairs of the House of Representatives.

9           (2) INF TREATY.—The term “INF Treaty”  
10          means the Treaty Between the United States of  
11          America and the Union of Soviet Socialist Republics  
12          on the Elimination of Their Intermediate-Range and  
13          Shorter-Range Missiles, commonly referred to as the  
14          “Intermediate-Range Nuclear Forces (INF) Trea-  
15          ty”, signed at Washington December 8, 1987, and  
16          entered into force June 1, 1988.

17 **SEC. 1244. COMPREHENSIVE RESPONSE TO THE RUSSIAN**  
18                   **FEDERATION’S MATERIAL BREACH OF THE**  
19                   **INF TREATY.**

20          (a) SENSE OF CONGRESS.—It is the of Congress  
21          that—

22                   (1) the actions undertaken by the Russian Fed-  
23          eration in violation of the INF Treaty, including the  
24          flight-test, production, and possession of prohibited  
25          systems, have defeated the object and purpose of the

1 INF Treaty, and thus constitute a material breach  
2 of the INF Treaty;

3 (2) in light of the Russian Federation's mate-  
4 rial breach of the INF Treaty, the United States is  
5 legally entitled to suspend the operation of the INF  
6 Treaty in whole or in part for so long as the Russian  
7 Federation continues to be in material breach of the  
8 INF Treaty; and

9 (3) for so long as the Russian Federation re-  
10 mains in violation of the INF Treaty, the United  
11 States should take actions to encourage the Russian  
12 Federation to return to compliance with the INF  
13 Treaty, including by—

14 (A) providing additional funds for the ca-  
15 pabilities identified in section 1243(d) of the  
16 National Defense Authorization Act for Fiscal  
17 Year 2016 (Public Law 114–92; 129 Stat.  
18 1062) and the Intermediate-Range Nuclear  
19 Forces Treaty Preservation Act of 2017 (Public  
20 Law 115–91; 131 Stat. 1671); and

21 (B) seeking additional missile defense as-  
22 sets in the European theater needed to fill mili-  
23 tary capability gaps to protect United States  
24 and NATO forces from ground-launched missile

1 systems of the Russian Federation that are in  
2 noncompliance with the INF Treaty.

3 (b) CERTIFICATION.—

4 (1) IN GENERAL.—Not later than November 1,  
5 2018, the President shall submit to the appropriate  
6 congressional committees a certification as to wheth-  
7 er each of the requirements described in paragraph  
8 (2) have been met.

9 (2) REQUIREMENTS DESCRIBED.—The require-  
10 ments described in this paragraph are the following:

11 (A) Each requirement of section 1290 of  
12 the National Defense Authorization Act for Fis-  
13 cal Year 2017 (Public Law 114–328; 130 Stat.  
14 2555; 22 U.S.C. 2593e) has been fully imple-  
15 mented and is continuing to be fully imple-  
16 mented.

17 (B) The President has notified the appro-  
18 priate congressional committees under such sec-  
19 tion 1290 of the imposition of measures de-  
20 scribed in subsection (c) of such section with re-  
21 spect to each person identified in a report  
22 under subsection (a) of such section, including  
23 a detailed description of the imposition of all  
24 such measures.

1 (C) The President has submitted the re-  
2 port required by section 1244(c) of the National  
3 Defense Authorization Act for Fiscal Year 2018  
4 (Public Law 115–91; 131 Stat. 1674) (relating  
5 to report on plan to impose additional sanctions  
6 with respect to the Russian Federation).

7 (c) DEFINITIONS.—In this section:

8 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
9 TEES.—The term “appropriate congressional com-  
10 mittees” means—

11 (A) the Select Committee on Intelligence,  
12 the Committee on Foreign Relations, the Com-  
13 mittee on Armed Services, and the Committee  
14 on Appropriations of the Senate; and

15 (B) the Permanent Select Committee on  
16 Intelligence, the Committee on Foreign Affairs,  
17 the Committee on Armed Services, and the  
18 Committee on Appropriations of the House of  
19 Representatives.

20 (2) INF TREATY.—The term “INF Treaty”  
21 means the Treaty between the United States of  
22 America and the Union of Soviet Socialist Republics  
23 on the Elimination of Their Intermediate-Range and  
24 Shorter-Range Missiles, signed at Washington De-

1 cember 8, 1987, and entered into force June 1,  
2 1988.

3 **SEC. 1245. REPORT ON IMPLEMENTATION OF THE NEW**  
4 **START TREATY.**

5 (a) REPORT.—Not later than December 31, 2018,  
6 the President shall—

7 (1) submit to the appropriate congressional  
8 committees a report as to whether—

9 (A) the President has raised the issue of  
10 covered Russian systems in the appropriate fora  
11 with the Russian Federation under Article V of  
12 the New START Treaty or otherwise; and

13 (B) if the President has raised the issue of  
14 covered Russian systems as described in sub-  
15 paragraph (A), the Russian Federation has re-  
16 sponded to the United States as to whether the  
17 Russian Federation will agree to declare the  
18 covered Russian systems as strategic offensive  
19 arms or otherwise pursuant to the New START  
20 Treaty;

21 (2) notify the appropriate congressional com-  
22 mittees as to whether the position of the Russian  
23 Federation threatens the viability of the New  
24 START Treaty or requires appropriate United  
25 States political, economic, or military responses; and

1           (3) submit to the congressional defense commit-  
2           tees a report assessing the extent to which the nu-  
3           clear modernization and infrastructure recapitaliza-  
4           tion programs of the Department of Defense and the  
5           National Nuclear Security Administration have met  
6           the requirements described in the resolution of rati-  
7           fication to accompany the New START Treaty, spe-  
8           cifically the requirements described in subsections  
9           (a)(9), (a)(11), and (a)(13) of such resolution of  
10          ratification.

11          (b) DEFINITIONS.—In this section:

12           (1) APPROPRIATE CONGRESSIONAL COMMIT-  
13           TEES.—The term “appropriate congressional com-  
14           mittees” means—

15                   (A) the congressional defense committees;

16                   and

17                   (B) the Committee on Foreign Relations of  
18                   the Senate and the Committee on Foreign Af-  
19                   fairs of the House of Representatives.

20           (2) COVERED RUSSIAN SYSTEMS.—The term  
21           “covered Russian systems” means the following:

22                   (A) The heavy intercontinental missile sys-  
23                   tem known as “Sarmat” or otherwise identified.

1 (B) An air-launched nuclear-powered  
2 cruise missile known as “X-101” or otherwise  
3 identified.

4 (C) An unmanned underwater vehicle  
5 known as “Status 6” or otherwise identified.

6 (D) The long-distance guided flight  
7 hypersonic weapons system known by  
8 “Avanguard” or otherwise identified.

9 (3) NEW START TREATY.—The term “New  
10 START Treaty” means the Treaty between the  
11 United States of America and the Russian Federa-  
12 tion on Measures for the Further Reduction and  
13 Limitation of Strategic Offensive Arms, signed at  
14 Prague April 8, 2010, and entered into force Feb-  
15 ruary 5, 2011.

16 **SEC. 1246. MODIFICATION AND EXTENSION OF UKRAINE SE-**  
17 **CURITY ASSISTANCE INITIATIVE.**

18 Section 1250 of the National Defense Authorization  
19 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
20 1068), as most recently amended by section 1234 of the  
21 National Defense Authorization Act for Fiscal Year 2018  
22 (Public Law 115–91; 131 Stat. 1659), is further amend-  
23 ed—

24 (1) in subsection (b)—

25 (A) by striking paragraph (8);

1 (B) by redesignating paragraph (12) as  
2 paragraph (16);

3 (C) by redesignating paragraphs (9)  
4 through (11) and (13) through (15) as para-  
5 graphs (8) through (13), respectively;

6 (D) by inserting after paragraph (13) (as  
7 redesignated by subparagraph (C) of this para-  
8 graph) the following new paragraph:

9 “(14) Training required to maintain and em-  
10 ploy systems and capabilities described in para-  
11 graphs (1) through (13).”; and

12 (E) by redesignating paragraph (16) (as  
13 redesignated by subparagraph (B) of this para-  
14 graph) as paragraph (15);

15 (2) in subsection (c)—

16 (A) in paragraph (1), by striking “50 per-  
17 cent of the funds available for fiscal year 2018  
18 pursuant to subsection (f)(3)” and inserting  
19 “50 percent of the funds available for fiscal  
20 year 2019 pursuant to subsection (f)(4)”;

21 (B) in paragraph (2)—

22 (i) by striking “The certification de-  
23 scribed” and inserting the following:

24 “(A) IN GENERAL.—The certification de-  
25 scribed”;

1 (ii) by striking “in such areas” and  
2 all that follows through “defense industrial  
3 sector” and inserting “in such areas as de-  
4 scribed in subparagraph (B)”;

5 (iii) by striking “subsection (a).” and  
6 inserting the following: “subsection (a).

7 “(B) AREAS DESCRIBED.—The areas de-  
8 scribed in this subparagraph are—

9 “(i) strengthening civilian control of  
10 the military;

11 “(ii) enhanced cooperation and coordi-  
12 nation with Verkhovna Rada efforts to ex-  
13 ercise oversight of the Ministry of Defense  
14 and military forces;

15 “(iii) increased transparency and ac-  
16 countability in defense procurement;

17 “(iv) improvement in transparency,  
18 accountability, sustainment, and inventory  
19 management in the defense industrial sec-  
20 tor; and

21 “(v) protection of proprietary or sen-  
22 sitive technologies as such technologies re-  
23 late to foreign military sales or transfers.”;  
24 and

1 (iv) by striking “The certification  
2 shall” and inserting the following:

3 “(C) ASSESSMENT.—The certification  
4 shall”;

5 (C) in paragraph (3), by striking “fiscal  
6 year 2018” and inserting “fiscal year 2019”;  
7 and

8 (D) by adding at the end the following new  
9 paragraph:

10 “(5) LETHAL ASSISTANCE.—Of the funds avail-  
11 able for fiscal year 2019 pursuant to subsection  
12 (f)(4), \$50,000,000 shall be available only for lethal  
13 assistance described in paragraphs (2) and (3) of  
14 subsection (b).”;

15 (3) in subsection (f), by adding at the end the  
16 following:

17 “(4) For fiscal year 2019, \$250,000,000.”; and

18 (4) in subsection (h), by striking “December  
19 31, 2020” and inserting “December 31, 2021”.

20 **SEC. 1247. EXTENSION OF LIMITATION ON MILITARY CO-**  
21 **OPERATION BETWEEN THE UNITED STATES**  
22 **AND THE RUSSIAN FEDERATION.**

23 (a) EXTENSION.—Subsection (a) of section 1232 of  
24 the National Defense Authorization Act for Fiscal Year  
25 2017 (Public Law 114–328; 130 Stat. 2488), as amended

1 by section 1231 of the National Defense Authorization Act  
2 for Fiscal Year 2018 (Public Law 115–91), is further  
3 amended in the matter preceding paragraph (1) by strik-  
4 ing “fiscal year 2017 or 2018” and inserting “fiscal year  
5 2017, 2018, or 2019”.

6 (b) **RULE OF CONSTRUCTION.**—Such section is fur-  
7 ther amended—

8 (1) by redesignating subsection (e) as sub-  
9 section (f); and

10 (2) by inserting after subsection (d) the fol-  
11 lowing new subsection (e):

12 “(e) **RULE OF CONSTRUCTION.**—Nothing in sub-  
13 section (a) shall be construed to limit bilateral military-  
14 to-military dialogue between the United States and the  
15 Russian Federation for the purpose of reducing the risk  
16 of conflict.”.

17 **SEC. 1248. SENSE OF CONGRESS ON ENHANCING DETER-**  
18 **RENCE AGAINST RUSSIAN AGGRESSION IN**  
19 **EUROPE.**

20 (a) **STATEMENT OF POLICY.**—To protect the national  
21 security of the United States and fulfill the ironclad com-  
22 mitment of the United States to its obligations under the  
23 North Atlantic Treaty, it is the policy of the United States  
24 to pursue, in full coordination with the North Atlantic  
25 Treaty Organization (NATO), an integrated approach to

1 strengthening the defense of allies and partners in Europe  
2 as part of a broader, long-term strategy backed by all ele-  
3 ments of United States national power to deter and, if  
4 necessary, defeat Russian aggression.

5 (b) SENSE OF CONGRESS.—It is the sense of Con-  
6 gress that in order to strengthen the defense of United  
7 States allies and partners in Europe, the Secretary of De-  
8 fense, in coordination with the Secretary of State and in  
9 consultation with the commander of United States Euro-  
10 pean Command, should—

11 (1) prioritize the need for additional United  
12 States forward presence in Europe, especially in-  
13 creased forward-stationed combat enablers to en-  
14 hance United States capability and capacity;

15 (2) review the balance of United States pres-  
16 ence in Europe between rotationally deployed and  
17 forward-stationed forces to assure allies and part-  
18 ners in Europe and deter Russian aggression;

19 (3) support robust United States security co-  
20 operation with, and security assistance for, Estonia,  
21 Latvia, and Lithuania, including through continuous  
22 and enduring presence of United States forces,  
23 training and support activities of United States spe-  
24 cial operations forces, and increased joint training  
25 and exercises to deter aggression, promote interoper-

1 ability, build resilience, and enable NATO to take  
2 collective action if required;

3 (4) continue rotational deployments of United  
4 States forces to southeastern Europe, including Ro-  
5 mania and Bulgaria;

6 (5) support enhanced defense cooperation with  
7 Poland, including continued presence of United  
8 States forces in Poland and increased training, exer-  
9 cises, and other activities focused on improving ef-  
10 fective joint response in a crisis;

11 (6) conduct exercises focused on demonstrating  
12 the capability to flow United States forces from the  
13 continental United States and surge forces from cen-  
14 tral to eastern Europe in a nonpermissive environ-  
15 ment;

16 (7) focus training activities of United States  
17 forces in Europe, including joint training with allied  
18 forces, on operating against adversary cyber, elec-  
19 tronic warfare, and information operations capabili-  
20 ties;

21 (8) support robust security sector assistance for  
22 Ukraine, including defensive lethal assistance, while  
23 promoting necessary reforms of the defense institu-  
24 tions of Ukraine;

1           (9) support robust security sector assistance for  
2 Georgia, including defensive lethal assistance, to  
3 strengthen the defense capabilities and readiness of  
4 Georgia, and improve interoperability with NATO  
5 forces;

6           (10) execute enhanced military-to-military en-  
7 gagement between the United States and the mili-  
8 taries of the countries of the Western Balkans to  
9 promote interoperability with NATO, civilian control  
10 of the military, procurement reforms, and regional  
11 security cooperation;

12           (11) develop and implement a comprehensive  
13 security cooperation strategy that integrates support  
14 for allies and partners in Europe, especially the al-  
15 lies and partners most directly threatened by Rus-  
16 sian aggression and malign influence; and

17           (12) in NATO or through other multilateral  
18 formats—

19           (A) promote reforms to accelerate the  
20 speed of decision and deployability within  
21 NATO;

22           (B) promote a more robust NATO defense  
23 planning process;

24           (C) pursue planning agreements with allies  
25 and partners in Europe on rules of engagement

1 and arrangements for command and control,  
2 access, transit, and support in crisis situations,  
3 which occur prior to an invocation of Article 5  
4 of the Washington Treaty by the North Atlantic  
5 Council;

6 (D) promote NATO operational readiness  
7 as a key element of alliance burden sharing  
8 alongside spending commitments made at the  
9 2014 Wales Summit;

10 (E) explore transitioning the Baltic air po-  
11 licing mission of NATO to a Baltic air defense  
12 mission;

13 (F) support multilateral efforts to improve  
14 maritime domain awareness in the Baltic Sea;

15 (G) support enhanced NATO-European  
16 Union cooperation, especially with respect to ca-  
17 pability development and defense planning;

18 (H) support coordinated NATO and Euro-  
19 pean Union actions on expediting or waiving  
20 diplomatic clearances for the movement of  
21 United States and allied forces during contin-  
22 gencies;

23 (I) support cooperative investment frame-  
24 works that promote increased military mobility  
25 in Europe;

1 (J) expand cooperation and joint planning  
2 with allies and partners on intelligence, surveil-  
3 lance, and reconnaissance;

4 (K) promote efforts to improve the capa-  
5 bility and readiness of NATO Standing Mari-  
6 time Groups;

7 (L) encourage regular review and update  
8 of the Alliance Maritime Strategy of NATO to  
9 reflect the changing military balance in the  
10 Black Sea and increased military activity in the  
11 North Atlantic and Arctic Oceans;

12 (M) explore increasing the frequency, scale,  
13 and scope of NATO and other multilateral exer-  
14 cises in the Black Sea with the participation of  
15 Ukraine and Georgia;

16 (N) promote integration of United States  
17 Marines in Norway with the United Kingdom-  
18 led Joint Expeditionary Force to increase multi-  
19 lateral cooperation and interoperability between  
20 NATO and regional partners such as Sweden  
21 and Finland; and

22 (O) affirm support for the Open Door pol-  
23 icy of NATO, including the eventual member-  
24 ship of Georgia in NATO.

1 **Subtitle E—Matters Relating to the**  
2 **Indo-Pacific Region**

3 **SEC. 1251. NAME OF UNITED STATES INDO-PACIFIC COM-**  
4 **MAND.**

5 (a) IN GENERAL.—The combatant command known  
6 as the United States Pacific Command shall be known as  
7 the “United States Indo-Pacific Command”. Any ref-  
8 erence to the United States Pacific Command in any law,  
9 regulation, map, document, record, or other paper of the  
10 United States shall be considered to be a reference to the  
11 United States Indo-Pacific Command.

12 (b) CONFORMING AMENDMENTS.—

13 (1) ANNUAL REPORT ON NON-FEDERALIZED  
14 SERVICE NATIONAL GUARD PERSONNEL, TRAINING,  
15 AND EQUIPMENT REQUIREMENTS.—Section 10504  
16 of title 10, United States Code, as amended by sec-  
17 tion 1071(a)(31), is further amended in subsection  
18 (c), as redesignated by such section, in paragraph  
19 (3)(H) by striking “United States Pacific Com-  
20 mand” and inserting “United States Indo-Pacific  
21 Command”.

22 (2) CONTRACTING WITH THE ENEMY.—Section  
23 843(4) of the Carl Levin and Howard P. “Buck”  
24 McKeon National Defense Authorization Act for  
25 Fiscal Year 2015 (Public Law 113–291; 10 U.S.C.

1 2302 note) is amended by striking “United States  
2 Pacific Command” and inserting “United States  
3 Indo-Pacific Command”.

4 **SEC. 1252. REDESIGNATION, EXPANSION, AND EXTENSION**  
5 **OF SOUTHEAST ASIA MARITIME SECURITY**  
6 **INITIATIVE.**

7 (a) REDESIGNATION AS INDO-PACIFIC MARITIME SE-  
8 CURITY INITIATIVE.—

9 (1) IN GENERAL.—Subsection (a)(2) of section  
10 1263 of the National Defense Authorization Act for  
11 Fiscal Year 2016 (10 U.S.C. 333 note) is amended  
12 by striking “the ‘Southeast Asia Maritime Security  
13 Initiative’” and inserting “the ‘Indo-Pacific Mari-  
14 time Security Initiative’”.

15 (2) CONFORMING AMENDMENT.—The heading  
16 of such section is amended to read as follows:

17 **“SEC. 1263. INDO-PACIFIC MARITIME SECURITY INITIA-**  
18 **TIVE.”.**

19 (b) EXPANSION.—

20 (1) EXPANSION OF REGION TO RECEIVE ASSIST-  
21 ANCE AND TRAINING.—Subsection (a)(1) of such  
22 section is amended by inserting “and the Indian  
23 Ocean” after “South China Sea” in the matter pre-  
24 ceding subparagraph (A).

1           (2) RECIPIENT COUNTRIES OF ASSISTANCE AND  
2 TRAINING GENERALLY.—Subsection (b) of such sec-  
3 tion is amended—

4           (A) in paragraph (2), by striking the  
5 comma at the end and inserting a period; and

6           (B) by adding at the end the following new  
7 paragraphs:

8           “(6) Bangladesh.

9           “(7) Sri Lanka.”.

10          (3) COUNTRIES ELIGIBLE FOR PAYMENT OF  
11 CERTAIN INCREMENTAL EXPENSES.—Subsection  
12 (e)(2) of such section is amended by adding at the  
13 end the following new subparagraph:

14          “(D) India.”.

15          (c) EXTENSION.—Subsection (h) of such section is  
16 amended by striking “September 30, 2020” and inserting  
17 “December 31, 2025”.

18 **SEC. 1253. REDESIGNATION AND MODIFICATION OF SENSE**  
19 **OF CONGRESS AND INITIATIVE FOR THE**  
20 **INDO-ASIA-PACIFIC REGION.**

21          (a) REDESIGNATION.—

22           (1) IN GENERAL.—Section 1251 of the Na-  
23 tional Defense Authorization Act for Fiscal Year  
24 2018 (Public Law 115–91) is amended by striking

1 “Indo-Asia-Pacific” each place it appears and insert-  
2 ing “Indo-Pacific”.

3 (2) HEADING AMENDMENTS.—

4 (A) SECTION HEADING.—The heading of  
5 such section is amended to read as follows:

6 **“SEC. 1251. SENSE OF CONGRESS AND INITIATIVE FOR THE**  
7 **INDO-PACIFIC REGION.”.**

8 (B) SUBSECTION HEADINGS.—Such sec-  
9 tion is further amended in the headings of sub-  
10 sections (b) and (f) by striking “INDO-ASIA-PA-  
11 CIFIC” and inserting “INDO-PACIFIC”.

12 (b) MODIFICATION OF INITIATIVE.—Such section is  
13 further amended—

14 (1) in subsection (c)—

15 (A) by striking paragraphs (1) through (4)  
16 and inserting the following new paragraphs (1)  
17 through (4):

18 “(1) Activities to increase the rotational and  
19 forward presence, improve the capabilities, and en-  
20 hance the posture of the United States Armed  
21 Forces in the Indo-Pacific region—

22 “(A) consistent with the National Defense  
23 Strategy; and

1           “(B) to the extent required to minimize  
2           the risk of execution of the contingency plans of  
3           the Department of Defense.

4           “(2) Activities to improve military and defense  
5           infrastructure, basing, logistics, and assured access  
6           in the Indo-Pacific region to enhance the responsive-  
7           ness, survivability, and operational resilience of the  
8           United States Armed Forces in the Indo-Pacific re-  
9           gion.

10           “(3) Activities to enhance the storage and pre-  
11           positioning in the Indo-Pacific region of equipment  
12           and munitions of the United States Armed Forces.

13           “(4) Bilateral and multilateral military training  
14           and exercises with allies and partner nations in the  
15           Indo-Pacific region.”; and

16           (B) in paragraph (5)—

17           (i) in the matter preceding subpara-  
18           graph (A), by striking “security capacity”  
19           and all that follows through “of allies” in  
20           subparagraph (B) and inserting “security  
21           capacity of allies”; and

22           (ii) by redesignating clauses (i)  
23           through (v) as subparagraphs (A) through  
24           (E), respectively, and indenting appro-  
25           priately;

1 (2) in subsection (d), by striking “only”;

2 (3) by amending subsection (e) to read as fol-  
3 lows:

4 “(e) FIVE-YEAR PLAN FOR THE INDO-PACIFIC STA-  
5 BILITY INITIATIVE.—

6 “(1) PLAN REQUIRED.—

7 “(A) IN GENERAL.—Not later than March  
8 1, 2019, the Secretary of Defense, in consulta-  
9 tion with the Secretary of State, shall submit to  
10 the appropriate congressional committees a fu-  
11 ture years plan on activities and resources of  
12 the Initiative.

13 “(B) APPLICABILITY.—The plan shall  
14 apply to the Initiative with respect to fiscal year  
15 2020 and at least the four succeeding fiscal  
16 years.

17 “(2) ELEMENTS.—The plan required under  
18 paragraph (1) shall include each of the following:

19 “(A) A description of the objectives of the  
20 Initiative.

21 “(B) A description of the manner in which  
22 such objectives support implementation of the  
23 National Defense Strategy and reduce the risk  
24 of execution of the contingency plans of the De-  
25 partment of Defense by improving the oper-

1           ational resilience of United States forces in the  
2           Indo-Pacific region.

3           “(C) An assessment of the resource re-  
4           quirements to achieve such objectives.

5           “(D) An assessment of any additional rota-  
6           tional or permanently stationed United States  
7           forces in the Indo-Pacific region required to  
8           achieve such objectives.

9           “(E) An assessment of the logistics re-  
10          quirements, including force enablers, equip-  
11          ment, supplies, storage, and maintenance, to  
12          achieve such objectives.

13          “(F) An identification and assessment of  
14          required infrastructure investments to achieve  
15          such objectives, including potential infrastruc-  
16          ture investments by host countries and new  
17          construction or upgrades of existing sites that  
18          would be funded by the United States.

19          “(G) An assessment of any new agree-  
20          ments, or changes to existing agreements, with  
21          other countries for assured access required to  
22          achieve such objectives.

23          “(H) An assessment of security coopera-  
24          tion investments required to achieve such objec-  
25          tives.

1           “(3) FORM.—The plan required under para-  
2           graph (1) shall be submitted in unclassified form,  
3           but may include a classified annex.”;

4           (4) by amending subsection (f) to read as fol-  
5           lows:

6           “(f) INCLUSION IN BUDGET MATERIALS.—The Sec-  
7           retary of Defense shall include in the budget materials  
8           submitted by the Secretary in support of the budget of  
9           the President for fiscal year 2020 (submitted pursuant to  
10          section 1105 of title 31, United States Code) the plan re-  
11          quired under paragraph (1).”; and

12          (5) by adding at the end the following new sub-  
13          section:

14          “(g) APPROPRIATE CONGRESSIONAL COMMITTEES  
15          DEFINED.—In this section, the term ‘appropriate congres-  
16          sional committees’ means—

17                 “(1) the congressional defense committees; and

18                 “(2) the Committee on Foreign Relations of the  
19                 Senate and the Committee on Foreign Affairs of the  
20                 House of Representatives.”.

21          **SEC. 1254. ASSESSMENT OF AND REPORT ON GEO-**  
22                         **POLITICAL CONDITIONS IN THE INDO-PA-**  
23                         **CIFIC REGION.**

24          (a) ASSESSMENT.—

1           (1) IN GENERAL.—Not later than 90 days after  
2           the date of the enactment of this Act, the Secretary  
3           of Defense shall select and enter into an agreement  
4           with an entity independent of the Department of De-  
5           fense to conduct an assessment of the geopolitical  
6           conditions in the Indo-Pacific region that are nec-  
7           essary for the successful implementation of the Na-  
8           tional Defense Strategy.

9           (2) MATTERS TO BE INCLUDED.—The assess-  
10          ment required by paragraph (1) shall include a de-  
11          termination of the geopolitical conditions in the  
12          Indo-Pacific region, including any change in eco-  
13          nomic and political relations, that are necessary to  
14          support United States military requirements for for-  
15          ward defense, assured access, extensive forward bas-  
16          ing, and alliance and partnership formation and  
17          strengthening in such region.

18          (b) REPORT.—Not later than 270 days after the date  
19          of the enactment of this Act, the independent entity se-  
20          lected under subsection (a) shall submit to the appropriate  
21          committees of Congress a report on the results of the as-  
22          sessment conducted under that subsection.

23          (c) DEPARTMENT OF DEFENSE SUPPORT.—The Sec-  
24          retary shall provide the independent entity selected under  
25          subsection (a) with timely access to appropriate informa-

1 tion, data, resources, and analyses necessary for the inde-  
2 pendent entity to conduct the assessment required by that  
3 subsection in a thorough and independent manner.

4 (d) APPROPRIATE COMMITTEES OF CONGRESS DE-  
5 FINED.—In this section, the term “appropriate commit-  
6 tees of Congress” means—

7 (1) the Committee on Armed Services and the  
8 Committee on Foreign Relations of the Senate; and

9 (2) the Committee on Armed Services and the  
10 Committee on Foreign Affairs of the House of Rep-  
11 resentatives.

12 **SEC. 1255. SENSE OF CONGRESS ON EXTENDED NUCLEAR**  
13 **DETERRENCE IN THE INDO-PACIFIC REGION.**

14 It is the sense of Congress that—

15 (1) the nuclear program of the Democratic Peo-  
16 ple’s Republic of Korea poses a critical national se-  
17 curity threat not only to the United States, but to  
18 the security and stability of the entire Indo-Pacific  
19 region, including South Korea, Japan, and Aus-  
20 tralia;

21 (2) the nuclear and conventional forces of the  
22 United States continue to play a fundamental role in  
23 deterring aggression against its interests and the in-  
24 terests of its allies in the Indo-Pacific region and be-  
25 yond;

1           (3) the United States stands unwaveringly be-  
2           hind its treaty obligations and assurances, including  
3           those related to defense and extended nuclear deter-  
4           rence, to South Korea, Japan, and Australia;

5           (4) the complete, verifiable, and irreversible  
6           denuclearization of the Democratic People’s Republic  
7           of Korea remains a central foreign policy objective  
8           of the United States;

9           (5) the status of any denuclearization or end-of-  
10          conflict agreement with the Democratic People’s Re-  
11          public of Korea should not supersede such treaty ob-  
12          ligations and assurances described in paragraph (3);  
13          and

14          (6) the presence of United States Forces on the  
15          Korean Peninsula should remain strong and endur-  
16          ing.

17 **SEC. 1256. REINSTATEMENT OF REPORTING REQUIRE-**  
18 **MENTS WITH RESPECT TO UNITED STATES-**  
19 **HONG KONG RELATIONS.**

20          Section 301 of the United States-Hong Kong Policy  
21 Act of 1992 (22 U.S.C. 5731) is amended—

22           (1) in the matter preceding paragraph (1)—

23                   (A) by striking “Not later than” and in-  
24                   serting “(a) IN GENERAL.— Not later than”;

1 (B) by striking “March 31, 1993” and all  
2 that follows through “March 31, 2006” and in-  
3 serting “March 31, 2019, and annually there-  
4 after through 2024,”; and

5 (C) by striking “transmit to the Speaker”  
6 and all that follows through “the Senate” and  
7 inserting “submit to the appropriate congres-  
8 sional committees”; and

9 (2) by adding at the end the following new sub-  
10 sections:

11 “(b) FORM.—The report required by subsection (a)  
12 shall be submitted in unclassified form and shall be pub-  
13 lished on a publicly available website of the Department  
14 of State.

15 “(c) APPROPRIATE CONGRESSIONAL COMMITTEES.—  
16 In this section, the term ‘appropriate congressional com-  
17 mittees’ means—

18 “(1) the Committee on Foreign Relations and  
19 the Committee on Armed Services of the Senate; and

20 “(2) the Committee on Foreign Affairs and the  
21 Committee on Armed Services of the House of Rep-  
22 resentatives.”.

23 **SEC. 1257. STRENGTHENING TAIWAN’S FORCE READINESS.**

24 (a) DEFENSE ASSESSMENT.—The Secretary of De-  
25 fense shall, in consultation with appropriate counterparts

1 of Taiwan, conduct a comprehensive assessment of Tai-  
2 wan's military forces, particularly Taiwan's reserves. The  
3 assessment shall provide recommendations to improve the  
4 efficiency, effectiveness, readiness, and resilience of Tai-  
5 wan's self-defense capability in the following areas:

6 (1) Personnel management and force develop-  
7 ment, particularly reserve forces.

8 (2) Recruitment, training, and military pro-  
9 grams.

10 (3) Command, control, communications and in-  
11 telligence.

12 (4) Technology research and development.

13 (5) Defense article procurement and logistics.

14 (6) Strategic planning and resource manage-  
15 ment.

16 (b) REPORT REQUIRED.—

17 (1) IN GENERAL.—Not later than 1 year after  
18 the date of the enactment of this Act, the Secretary  
19 of Defense, in consultation with the Secretary of  
20 State, shall submit to the appropriate congressional  
21 committees a report containing each of the following:

22 (A) A summary of the assessment con-  
23 ducted pursuant to subsection (a).

24 (B) A list of any recommendations result-  
25 ing from such assessment.

1 (C) A plan for the United States, including  
2 by using appropriate security cooperation au-  
3 thorities, to—

4 (i) facilitate any relevant rec-  
5 ommendations from such list;

6 (ii) expand senior military-to-military  
7 engagement and joint training by the  
8 United States Armed Forces with the mili-  
9 tary of Taiwan; and

10 (iii) support United States foreign  
11 military sales and other equipment trans-  
12 fers to Taiwan, particularly for developing  
13 asymmetric warfare capabilities.

14 (2) APPROPRIATE SECURITY COOPERATION AU-  
15 THORITIES.—For purposes of the plan described in  
16 paragraph (1)(C), the term “appropriate security co-  
17 operation authorities” means—

18 (A) section 311 of title 10, United States  
19 Code (relating to exchange of defense per-  
20 sonnel);

21 (B) section 332 such title (relating to de-  
22 fense institution building); and

23 (C) other security cooperation authorities  
24 under chapter 16 of such title.

1           (3) APPROPRIATE CONGRESSIONAL COMMIT-  
2           TEES.—In this subsection, the term “appropriate  
3           congressional committees” means—

4                   (A) the congressional defense committees;  
5                   and

6                   (B) the Committee on Foreign Relations of  
7                   the Senate and the Committee on Foreign Af-  
8                   fairs of the House of Representatives.

9   **SEC. 1258. SENSE OF CONGRESS ON TAIWAN.**

10          It is the sense of Congress that—

11               (1) the Taiwan Relations Act (22 U.S.C. 3301  
12               et seq.) and the “Six Assurances” are both corner-  
13               stones of United States relations with Taiwan;

14               (2) the United States should strengthen defense  
15               and security cooperation with Taiwan to support the  
16               development of capable, ready, and modern defense  
17               forces necessary for Taiwan to maintain a sufficient  
18               self-defense capability;

19               (3) the United States should strongly support  
20               the acquisition by Taiwan of defensive weapons  
21               through foreign military sales, direct commercial  
22               sales, and industrial cooperation, with a particular  
23               emphasis on asymmetric warfare and undersea war-  
24               fare capabilities, consistent with the Taiwan Rela-  
25               tions Act;

1           (4) the United States should improve the pre-  
2           dictability of arms sales to Taiwan by ensuring time-  
3           ly review of and response to requests of Taiwan for  
4           defense articles and defense services;

5           (5) the Secretary of Defense should promote  
6           Department of Defense policies concerning ex-  
7           changes that enhance the security of Taiwan, includ-  
8           ing—

9                   (A) opportunities for practical training and  
10                   military exercises with Taiwan; and

11                   (B) exchanges between senior defense offi-  
12                   cials and general officers of the United States  
13                   and Taiwan consistent with the Taiwan Travel  
14                   Act (Public Law 115–135);

15           (6) the United States and Taiwan should ex-  
16           pand cooperation in humanitarian assistance and  
17           disaster relief; and

18           (7) the Secretary of Defense should consider  
19           supporting the visit of a United States hospital ship  
20           to Taiwan as part of the annual “Pacific Partner-  
21           ship” mission in order to improve disaster response  
22           planning and preparedness as well as to strengthen  
23           cooperation between the United States and Taiwan.

1 **SEC. 1259. PROHIBITION ON PARTICIPATION OF THE PEO-**  
2 **PLE'S REPUBLIC OF CHINA IN RIM OF THE**  
3 **PACIFIC (RIMPAC) NAVAL EXERCISES.**

4 (a) CONDITIONS FOR FUTURE PARTICIPATION IN  
5 RIMPAC.—

6 (1) IN GENERAL.—The Secretary of Defense  
7 shall not enable or facilitate the participation of the  
8 People's Republic of China in any Rim of the Pacific  
9 (RIMPAC) naval exercise unless the Secretary cer-  
10 tifies to the congressional defense committees that  
11 China has—

12 (A) ceased all land reclamation activities in  
13 the South China Sea;

14 (B) removed all weapons from its land rec-  
15 lamation sites; and

16 (C) established a consistent four-year track  
17 record of taking actions toward stabilizing the  
18 region.

19 (2) FORM.—The certification under paragraph  
20 (1) shall be in unclassified form but may contain a  
21 classified annex as necessary.

22 (b) NATIONAL SECURITY WAIVER.—

23 (1) IN GENERAL.—The Secretary of Defense  
24 may waive the certification requirement under sub-  
25 section (a) if the Secretary determines the waiver is  
26 in the national security interest of the United States

1 and submits to the congressional defense committees  
2 a detailed justification for the waiver.

3 (2) FORM.—The justification required under  
4 paragraph (1) shall be in unclassified form but may  
5 contain a classified annex as necessary.

6 **SEC. 1260. MODIFICATION OF ANNUAL REPORT ON MILI-**  
7 **TARY AND SECURITY DEVELOPMENTS IN-**  
8 **VOLVING THE PEOPLE’S REPUBLIC OF**  
9 **CHINA.**

10 Section 1202(b) of the National Defense Authoriza-  
11 tion Act for Fiscal Year 2000 (10 U.S.C. 113 note) is  
12 amended—

13 (1) by redesignating paragraphs (6) through  
14 (16) and (17) through (23) as paragraphs (7)  
15 through (17) and (19) through (25), respectively;

16 (2) by inserting after paragraph (5) the fol-  
17 lowing new paragraph (6):

18 “(6) China’s overseas military basing and logis-  
19 tics infrastructure.”;

20 (3) in paragraph (8), as so redesignated, by  
21 striking “including technology transfers and espio-  
22 nage” in the first sentence and inserting “including  
23 by espionage and technology transfers through in-  
24 vestment, industrial espionage, cybertheft, academia,  
25 and other means”;

1           (4) by inserting after paragraph (17), as so re-  
2 designated, the following new paragraph (18):

3           “(18) An assessment of relations between China  
4 and the Russian Federation with respect to security  
5 and military matters.”; and

6           (5) by adding at the end the following new  
7 paragraphs:

8           “(26) The relationship between Chinese over-  
9 seas investment, including initiatives such as the  
10 Belt and Road Initiative, and Chinese security and  
11 military strategy objectives.

12           “(27) Efforts by the Government of the Peo-  
13 ple’s Republic of China to influence the media, cul-  
14 tural institutions, business, and academic and policy  
15 communities of the United States to be more favor-  
16 able to its security and military strategy and objec-  
17 tives.

18           “(28) Efforts by the Government of the Peo-  
19 ple’s Republic of China to use nonmilitary tools in  
20 other countries, including diplomacy and political co-  
21 ercion, information operations, and economic pres-  
22 sure, including predatory lending practices, to sup-  
23 port its security and military objectives.”.

1 **SEC. 1261. UNITED STATES STRATEGY ON CHINA.**

2 (a) STATEMENT OF POLICY.—Congress declares that  
3 long-term strategic competition with China is a principal  
4 priority for the United States that requires the integration  
5 of multiple elements of national power, including diplo-  
6 matic, economic, intelligence, law enforcement, and mili-  
7 tary elements, to protect and strengthen national security.

8 (b) STRATEGY REQUIRED.—

9 (1) IN GENERAL.—Not later than March 1,  
10 2019, the President shall submit to the appropriate  
11 congressional committees a report containing a  
12 whole-of-government strategy with respect to the  
13 People's Republic of China.

14 (2) ELEMENTS OF STRATEGY.—The strategy  
15 required by paragraph (1) shall include the fol-  
16 lowing:

17 (A) Strategic assessments of and planned  
18 responses to address the following activities by  
19 the Chinese Communist Party:

20 (i) The use of political influence, in-  
21 formation operations, censorship, and  
22 propaganda to undermine democratic insti-  
23 tutions and processes, and the freedoms of  
24 speech, expression, press, and academic  
25 thought.

1 (ii) The use of intelligence networks  
2 to exploit open research and development.

3 (iii) The use of economic tools, includ-  
4 ing market access and investment to gain  
5 access to sensitive United States indus-  
6 tries.

7 (iv) Malicious cyber activities.

8 (v) The use of investment, infrastruc-  
9 ture, and development projects, such as  
10 China's Belt and Road Initiative, in Africa,  
11 Europe, Central Asia, South America, and  
12 the Indo-Pacific region, and the Polar Silk  
13 Road in the Arctic, as a means to gain ac-  
14 cess and influence.

15 (vi) The use of military activities, ca-  
16 pabilities, and defense installations, and  
17 hybrid warfare methods, short of tradi-  
18 tional armed conflict, against the United  
19 States or its allies and partners.

20 (B) Available or planned methods to en-  
21 hance strategic communication to counter Chi-  
22 nese influence and promote United States inter-  
23 ests.

24 (C) An identification of the key diplomatic,  
25 development, intelligence, military, and eco-

1            nomic resources necessary to implement the  
2            strategy.

3            (D) A plan to maximize the coordination  
4            and effectiveness of such resources to counter  
5            the threats posed by the activities described in  
6            subparagraph (A).

7            (E) Available or planned interagency mech-  
8            anisms for the coordination and implementation  
9            of the strategy.

10          (3) FORM.—The report required by paragraph  
11          (1) shall be submitted in unclassified form, but may  
12          include a classified annex.

13          (4) ANNUAL BUDGET SUBMISSION.—The Presi-  
14          dent shall ensure that the annual budget submitted  
15          to Congress pursuant to section 1105 of title 31,  
16          United States Code, clearly highlights the programs  
17          and projects proposed to be funded that relate to the  
18          strategy required by paragraph (1).

19          (5) APPROPRIATE CONGRESSIONAL COMMIT-  
20          TEES.—In this section, the term “appropriage con-  
21          gressional committees” means—

22                (A) the Committee on Armed Services, the  
23                Committee on Foreign Relations, the Select  
24                Committee on Intelligence, the Committee on  
25                Finance, the Committee on Homeland Security

1 and Governmental Affairs, the Committee on  
2 the Judiciary, the Committee on Commerce,  
3 Science, and Transportation, and the Com-  
4 mittee on the Budget of the Senate; and

5 (B) the Committee on Armed Services, the  
6 Committee on Foreign Affairs, the Permanent  
7 Select Committee on Intelligence, the Com-  
8 mittee on Financial Services, the Committee on  
9 Homeland Security, the Committee on the Judi-  
10 ciary, the Committee on Energy and Commerce,  
11 and the Committee on the Budget of the House  
12 of Representatives.

13 **SEC. 1262. REPORT ON MILITARY AND COERCIVE ACTIVI-**  
14 **TIES OF THE PEOPLE'S REPUBLIC OF CHINA**  
15 **IN SOUTH CHINA SEA.**

16 (a) IN GENERAL.—Except as provided in subsection  
17 (d), immediately after the commencement of any signifi-  
18 cant reclamation, assertion of an excessive territorial  
19 claim, or militarization activity by the People's Republic  
20 of China in the South China Sea, including any significant  
21 military deployment or operation or infrastructure con-  
22 struction, the Secretary of Defense, in coordination with  
23 the Secretary of State, shall submit to the appropriate  
24 congressional committees, and release to the public, a re-

1 port on the military and coercive activities of China in the  
2 South China Sea in connection with such activity.

3 (b) ELEMENTS OF REPORT TO PUBLIC.—Each re-  
4 port on the commencement of a significant reclamation,  
5 an assertion of an excessive territorial claim, or a mili-  
6 tarization activity under subsection (a) shall include a  
7 short narrative on, and one or more corresponding images  
8 of, such commencement of a significant reclamation, as-  
9 ssertion of an excessive territorial claim, or militarization  
10 activity.

11 (c) FORM.—

12 (1) SUBMISSION TO CONGRESS.—Any report  
13 under subsection (a) that is submitted to the appro-  
14 priate congressional committees shall be submitted  
15 in unclassified form, but may include a classified  
16 annex.

17 (2) RELEASE TO PUBLIC.—If a report under  
18 subsection (a) is released to the public, such report  
19 shall be so released in unclassified form.

20 (d) WAIVER.—

21 (1) RELEASE OF REPORT TO PUBLIC.—The  
22 Secretary of Defense may waive the requirement in  
23 subsection (a) for the release to the public of a re-  
24 port on the commencement of any significant rec-  
25 lamation, an assertion of an excessive territorial

1 claim, or a militarization activity by the People’s Re-  
2 public of China in the South China Sea if the Sec-  
3 retary determines that the release to the public of a  
4 report on such activity under that subsection in the  
5 form required by subsection (c)(2) would have an  
6 adverse effect on the national security interests of  
7 the United States.

8 (2) NOTICE TO CONGRESS.—If the Secretary  
9 issues a waiver under paragraph (1) with respect to  
10 a report on an activity, not later than 48 hours after  
11 the Secretary issues such waiver, the Secretary shall  
12 submit to the appropriate congressional committees  
13 written notice of, and justification for, such waiver.

14 (e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
15 FINED.—In this section, the term “appropriate congres-  
16 sional committees” means—

17 (1) the congressional defense committees; and

18 (2) the Committee on Foreign Relations of the  
19 Senate and the Committee on Foreign Affairs of the  
20 House of Representatives.

21 **SEC. 1263. REQUIREMENT FOR CRITICAL LANGUAGES AND**  
22 **EXPERTISE IN CHINESE, KOREAN, RUSSIAN,**  
23 **FARSI, AND ARABIC.**

24 Not later than 180 days after the date of the enact-  
25 ment of this Act, the Secretary of Defense shall—

1           (1) evaluate the operational requirements for  
2 members of the Armed Forces possessing foreign  
3 language expertise in critical languages, including  
4 Chinese, Korean, Russian, Farsi, and Arabic; and

5           (2) submit to the congressional defense commit-  
6 tees a plan to address any shortfalls in these critical  
7 areas.

8 **SEC. 1264. LIMITATION ON USE OF FUNDS TO REDUCE THE**  
9           **TOTAL NUMBER OF MEMBERS OF THE**  
10           **ARMED FORCES SERVING ON ACTIVE DUTY**  
11           **WHO ARE DEPLOYED TO THE REPUBLIC OF**  
12           **KOREA.**

13       None of the funds authorized to be appropriated by  
14 this Act may be used to reduce the total number of mem-  
15 bers of the Armed Forces serving on active duty who are  
16 deployed to the Republic of Korea below 22,000 unless the  
17 Secretary of Defense first certifies to the congressional de-  
18 fense committees the following:

19           (1) Such a reduction is in the national security  
20 interest of the United States and will not signifi-  
21 cantly undermine the security of United States allies  
22 in the region.

23           (2) The Secretary has appropriately consulted  
24 with allies of the United States, including the Re-

1 public of Korea and Japan, regarding such a reduc-  
2 tion.

3 **SEC. 1265. REPORTS ON NUCLEAR CAPABILITIES OF THE**  
4 **DEMOCRATIC PEOPLE'S REPUBLIC OF**  
5 **KOREA.**

6 (a) **BASELINE REPORT.**—Not later than 60 days  
7 after the date of the enactment of this Act, the Secretary  
8 of Defense, in coordination with the Director of National  
9 Intelligence, the Secretary of State, and the Secretary of  
10 Energy, shall submit to the appropriate committees of  
11 Congress a report on the status of the nuclear program  
12 of the Democratic People's Republic of Korea to establish  
13 a baseline of progress for negotiations with the Demo-  
14 cratic People's Republic of Korea with respect to  
15 denuclearization.

16 (b) **ELEMENTS.**—The report required by subsection  
17 (a) shall include the following, to the extent known or sus-  
18 pected:

19 (1) A description of the location, quantity, ca-  
20 pability, and operational status of the nuclear weap-  
21 ons and other weapons of mass destruction, includ-  
22 ing chemical and biological weapons, of the Demo-  
23 cratic People's Republic of Korea.

24 (2) A description of the location of the re-  
25 search, development, production, and testing facili-

1       ties, including covert facilities, for the nuclear weap-  
2       ons and other weapons of mass destruction, includ-  
3       ing chemical and biological weapons, of the Demo-  
4       cratic People's Republic of Korea.

5           (3) A description of the location, quantity, ca-  
6       pability, and operational status of fixed ballistic mis-  
7       sile launch sites, and assessments of capability and  
8       readiness of mobile land and at-sea launch platforms  
9       of the Democratic People's Republic of Korea.

10          (4) A description of the location of the ballistic  
11       missile manufacturing and assembly facilities of the  
12       Democratic People's Republic of Korea.

13          (5) An assessment of any intelligence gaps and  
14       confidence levels with respect to the information re-  
15       quired by this subsection and verification or inspec-  
16       tion measures that may fill such gaps.

17       (c) UPDATES.—

18           (1) IN GENERAL.—In the case of an agreement,  
19       not later than 60 days after the date on which the  
20       agreement is reached, and every 90 days thereafter,  
21       the report required by subsection (a) shall be aug-  
22       mented by a written update.

23           (2) ELEMENTS.—Each written update under  
24       paragraph (1) shall include the following for the pre-  
25       ceding 90-day period:

1 (A) A description of the number of nuclear  
2 weapons, other weapons of mass destruction, in-  
3 cluding chemical and biological weapons, and  
4 ballistic missiles verifiably dismantled, de-  
5 stroyed, rendered permanently unusable, or  
6 transferred out of the Democratic People's Re-  
7 public of Korea.

8 (B) An identification of the location of re-  
9 search, development, production, and testing fa-  
10 cilities for nuclear weapons and other weapons  
11 of mass destruction, including chemical and bio-  
12 logical weapons, in the Democratic People's Re-  
13 public of Korea identified and verifiably dis-  
14 mantled, destroyed, or rendered permanently  
15 unusable.

16 (C) An identification of the location of bal-  
17 listic missile manufacturing and assembly facili-  
18 ties in the Democratic People's Republic of  
19 Korea verifiably dismantled, destroyed, or ren-  
20 dered permanently unusable.

21 (D) A description of the number of nuclear  
22 weapons and ballistic missiles that remain in or  
23 under the control of the Democratic People's  
24 Republic of Korea.

1           (E) An assessment of the progress made in  
2           extending the breakout period required for the  
3           Democratic People's Republic of Korea to re-  
4           constitute its nuclear weapons program and  
5           build a nuclear weapon, as such progress relates  
6           to the information required by subparagraphs  
7           (A) through (D).

8           (d) VERIFICATION ASSESSMENT REPORT.—Not later  
9           than 180 days after the date on which the report required  
10          by subsection (a) is submitted, and every 180 days there-  
11          after, the written update required under paragraph (1) of  
12          subsection (c) shall include, in addition to the information  
13          required by subparagraphs (A) through (E) of that sub-  
14          section, the following for the preceding 180-day period:

15           (1) An assessment of the establishment of safe-  
16           guards, other control mechanisms, and other assur-  
17           ances secured from the Democratic People's Repub-  
18           lic of Korea to ensure the activities of the Demo-  
19           cratic People's Republic of Korea permitted under  
20           any agreement will not be used to further any nu-  
21           clear-related military or nuclear explosive purpose,  
22           including research on or development of a nuclear  
23           explosive device.

24           (2) An assessment of the capacity of the United  
25           States or an international organization, including

1 the International Atomic Energy Agency, to effec-  
2 tively access and investigate suspicious sites in the  
3 Democratic People’s Republic of Korea or allega-  
4 tions of covert nuclear-related activities, including  
5 storage sites for nuclear weapons.

6 (e) APPLICABILITY.—Subsections (c) and (d) shall  
7 apply only in the case of an agreement.

8 (f) SUNSET.—The section shall cease to be effective  
9 on the date that is three years after the date of the enact-  
10 ment of this Act.

11 (g) DEFINITIONS.—In this section:

12 (1) AGREEMENT.—The term “agreement”  
13 means an interim or final agreement between the  
14 United States and the Democratic People’s Republic  
15 of Korea with respect to the denuclearization of the  
16 Democratic People’s Republic of Korea that includes  
17 a commitment by the Democratic People’s Republic  
18 of Korea—

19 (A) to reduce the nuclear arsenal of the  
20 Democratic People’s Republic of Korea; or

21 (B) to otherwise discontinue, reduce, or  
22 suspend the nuclear program of the Democratic  
23 People’s Republic of Korea.

1           (2) APPROPRIATE COMMITTEES OF CONGRESS  
2           .—The term “appropriate committees of Congress”  
3           means—

4                   (A) the Committee on Armed Services, the  
5                   Select Committee on Intelligence, the Com-  
6                   mittee on Foreign Relations, and the Com-  
7                   mittee on Appropriations of the Senate; and

8                   (B) the Committee on Armed Services, the  
9                   Permanent Select Committee on Intelligence,  
10                  the Committee on Foreign Affairs, and the  
11                  Committee on Appropriations of the House of  
12                  Representatives.

13 **SEC. 1266. MODIFICATION OF REPORT REQUIRED UNDER**  
14                   **ENHANCING DEFENSE AND SECURITY CO-**  
15                   **OPERATION WITH INDIA.**

16           Subsection (a)(2) of section 1292 of the National De-  
17           fense Authorization Act for Fiscal Year 2017 (Public Law  
18           114–328; 130 Stat. 2559; 22 U.S.C. 2751 note) is amend-  
19           ed—

20                   (1) by striking “Not later than” and inserting  
21                   the following:

22                           “(A) IN GENERAL.—Not later than”;

23                   (2) by inserting “until December 31, 2021”  
24                   after “annually thereafter”; and

1           (3) by striking the second sentence and insert-  
2           ing the following:

3                   “(B) CONTENTS.—The report shall also  
4           include—

5                           “(i) a forward-looking strategy with  
6                           specific benchmarks for measurable  
7                           progress toward enhancing India’s status  
8                           as a major defense partner and defense  
9                           and security cooperation with India;

10                           “(ii) a description of any limitations  
11                           that hinder or slows progress in imple-  
12                           menting the actions described in subpara-  
13                           graphs (A) through (L) of paragraph (1);

14                           “(iii) a description of actions India is  
15                           taking, or the actions the Secretary of De-  
16                           fense or the Secretary of State believe  
17                           India should take, to advance the relation-  
18                           ship between the United States, including  
19                           actions relating to subparagraphs (A)  
20                           through (L) of paragraph (1);

21                           “(iv) a description of the measures  
22                           that can be taken by the United States  
23                           and India to improve interoperability; and

1                   “(v) a description of the progress  
2                   made in enabling agreements between the  
3                   United States and India.”.

4                   **Subtitle F—Reports and Other**  
5                   **Matters**

6                   **SEC. 1271. MODIFICATION OF AUTHORITIES RELATING TO**  
7                   **ACQUISITION AND CROSS-SERVICING AGREE-**  
8                   **MENTS.**

9                   (a) PROHIBITIONS.—Section 2342 of title 10, United  
10                  States Code, is amended—

11                  (1) by redesignating subsection (d) as sub-  
12                  section (f); and

13                  (2) by inserting after subsection (c) the fol-  
14                  lowing new subsections (d) and (e):

15                  “(d) The Secretary of Defense may not use an agree-  
16                  ment with any government or an organization described  
17                  in subsection (a)(1) to facilitate the transfer of logistic  
18                  support, supplies, and services to any country or organiza-  
19                  tion with which the Secretary has not signed an agreement  
20                  described in subsection (a)(2).

21                  “(e) An agreement described in subsection (a)(2) may  
22                  not provide or otherwise constitute a commitment for the  
23                  introduction of the armed forces into hostilities.”.

1 (b) ANNUAL REPORTS.—Such section is further  
2 amended by adding at the end the following new sub-  
3 section:

4 “(g) Not later than January 15 each year, the Sec-  
5 retary of Defense shall submit to the appropriate commit-  
6 tees of Congress a report on acquisition and cross-serv-  
7 icing activities that sets forth, in detail, the following:

8 “(1) A list of agreements in effect pursuant to  
9 subsection (a)(1) during the preceding fiscal year.

10 “(2) The date on which each agreement listed  
11 under paragraph (1) was signed, and, in the case of  
12 an agreement with a country that is not a member  
13 of the North Atlantic Treaty Organization, the date  
14 on which the Secretary notified Congress pursuant  
15 to subsection (b)(2) of the designation of such coun-  
16 try under subsection (a).

17 “(3) The total dollar amount and major cat-  
18 egories of logistic support, supplies, and services  
19 provided during the preceding fiscal year under each  
20 such agreement.

21 “(4) The total dollar amount and major cat-  
22 egories of reciprocal provisions of logistic support,  
23 supplies, and services received under each such  
24 agreement.

1           “(5) With respect to the calendar year during  
2           which the report is submitted, an assessment of the  
3           following:

4                   “(A) The anticipated logistic support, sup-  
5                   plies, and services requirements of the United  
6                   States.

7                   “(B) The anticipated requirements of other  
8                   countries for United States logistic support,  
9                   supplies, and services.”.

10          (c) DEFINITIONS.—Such section is further amend-  
11          ed—

12                   (1) in subsection (b)(2), by striking “the Com-  
13                   mittee on Armed Services” the first place it appears  
14                   and all that follows through “the House of Rep-  
15                   resentatives” and inserting “the appropriate commit-  
16                   tees of Congress”; and

17                   (2) by adding at the end the following new sub-  
18                   section:

19                   “(h) In this section, the term ‘appropriate committees  
20                   of Congress’ means—

21                           “(1) the Committee on Armed Services and the  
22                           Committee on Foreign Relations of the Senate; and

23                           “(2) the Committee on Armed Services and the  
24                           Committee on Foreign Affairs of the House of Rep-  
25                           resentatives.”.

1 **SEC. 1272. UNITED STATES-ISRAEL COUNTERING UN-**  
2 **MANNED AERIAL SYSTEMS COOPERATION.**

3 (a) **AUTHORITY TO COUNTER UNMANNED AERIAL**  
4 **SYSTEMS.**—Section 1279(a) of the National Defense Au-  
5 thorization Act for Fiscal Year 2016 (Public Law 114–  
6 92; 22 U.S.C. 8606 note), as most recently amended by  
7 section 1278 of the National Defense Authorization Act  
8 for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
9 1700), is further amended by inserting “and to establish  
10 capabilities for countering unmanned aerial systems” after  
11 “underground tunnels”.

12 (b) **LIMITATION ON FUNDING.**—None of the funds  
13 authorized to be appropriated or otherwise made available  
14 by this Act to carry out the authority provided by the  
15 amendment made by subsection (a) may be obligated or  
16 expended until the date that is 15 days after the date on  
17 which the Secretary of Defense submits to the congres-  
18 sional defense committees, the Committee on Foreign Re-  
19 lations of the Senate, and the Committee on Foreign Af-  
20 fairs of the House of Representatives a report describing  
21 the cooperation of the United States with Israel with re-  
22 spect to countering unmanned aerial systems pursuant to  
23 the authority granted by such amendment that includes  
24 each of the following:

1           (1) An identification of specific capability gaps  
2 of the United States and Israel with respect to coun-  
3 tering unmanned aerial systems.

4           (2) An identification of cooperative projects  
5 that would address those capability gaps and mutu-  
6 ally benefit and strengthen the security of the  
7 United States and Israel.

8           (3) An assessment of the projected cost for re-  
9 search and development efforts for such cooperative  
10 projects, including an identification of those to be  
11 conducted in the United States, and the timeline for  
12 the completion of each such project.

13           (4) The extent to which the capability gaps of  
14 the United States identified pursuant to paragraph  
15 (1) are not likely to be addressed through the coop-  
16 erative projects identified pursuant to paragraph  
17 (2).

18           (5) An assessment of the projected costs for  
19 procurement and fielding of any capabilities devel-  
20 oped jointly, pursuant to the authority granted by  
21 the amendment made by subsection (a).

22 **SEC. 1273. ENHANCEMENT OF U.S.-ISRAEL DEFENSE CO-**  
23 **OPERATION.**

24           (a) **EXTENSION OF WAR RESERVES STOCKPILE AU-**  
25 **THORITY.**—Section 12001(d) of the Department of De-

1 fense Appropriations Act, 2005 (Public Law 108–287;  
2 118 Stat. 1011) is amended by striking “after September  
3 30, 2018” and inserting “after September 30, 2023”.

4 (b) JOINT ASSESSMENT OF QUANTITY OF PRECISION  
5 GUIDED MUNITIONS FOR USE BY ISRAEL.—

6 (1) IN GENERAL.—The President is authorized  
7 to conduct a joint assessment with the Government  
8 of Israel with respect to the matters described in  
9 paragraph (2).

10 (2) MATTERS DESCRIBED.—The matters de-  
11 scribed in this paragraph are the following:

12 (A) The quantity and type of precision  
13 guided munitions that are necessary for Israel  
14 to combat Hezbollah in the event of a sustained  
15 armed confrontation between Israel and  
16 Hezbollah.

17 (B) The quantity and type of precision  
18 guided munitions that are necessary for Israel  
19 in the event of a sustained armed confrontation  
20 with other armed groups and terrorist organiza-  
21 tions, such as Hamas.

22 (C) The resources the Government of  
23 Israel would need to dedicate to acquire such  
24 precision guided munitions.

1 (D) United States planning to assist Israel  
2 to prepare for a sustained armed confrontation  
3 described in subparagraph (A) or (B), as well  
4 as the ability of the United States to resupply  
5 Israel in the event of such a confrontation.

6 (E) The current United States inventory of  
7 the precision guided munitions described in sub-  
8 paragraphs (A) and (B), and whether such in-  
9 ventory meets the United States total munitions  
10 requirement.

11 (c) REPORT.—

12 (1) IN GENERAL.—Not later than 15 days after  
13 the date on which the joint assessment authorized  
14 under subsection (b) is completed, the President  
15 shall submit to the appropriate congressional com-  
16 mittees a report that contains the joint assessment.

17 (2) FORM.—The report required under para-  
18 graph (1) shall be submitted in unclassified form,  
19 but may contain a classified annex.

20 (3) APPROPRIATE CONGRESSIONAL COMMIT-  
21 TEES DEFINED.—In this subsection, the term “ap-  
22 propriate congressional committees” means—

23 (A) the Committee on Foreign Relations  
24 and the Committee on Armed Services of the  
25 Senate; and

1 (B) the Committee on Foreign Affairs and  
2 the Committee on Armed Services of the House  
3 of Representatives.

4 **SEC. 1274. REVIEW TO DETERMINE WHETHER THE ARMED**  
5 **FORCES OR COALITION PARTNERS OF THE**  
6 **UNITED STATES VIOLATED FEDERAL LAW OR**  
7 **DEPARTMENT OF DEFENSE POLICY WHILE**  
8 **CONDUCTING OPERATIONS IN YEMEN.**

9 (a) IN GENERAL.—The Secretary of Defense shall  
10 conduct a review to determine whether the Armed Forces  
11 or coalition partners of the United States violated Federal  
12 law, the laws of armed conflict, or Department of Defense  
13 policy while conducting operations in Yemen.

14 (b) MATTERS TO BE INCLUDED.—The review re-  
15 quired under subsection (a) shall also seek to determine  
16 the following:

17 (1) Whether the Armed Forces interrogated  
18 Yemeni citizens in prisons within Yemen or provided  
19 questions to any United States coalition partner for  
20 use in such interrogations, and whether such interro-  
21 gations or actions were consistent with United  
22 States law and policy.

23 (2) Whether the Armed Forces violated the pro-  
24 hibitions of section 362 of title 10, United States  
25 Code, while conducting operations in Yemen.

1           (3) Whether any United States coalition part-  
2           ner committed gross violations of internationally rec-  
3           ognized human rights while conducting operations in  
4           Yemen that would make such coalition partner ineli-  
5           gible for any training, equipment, or other assist-  
6           ance for a unit of a foreign security force under sec-  
7           tion 362 of title 10, United States Code.

8           (4) Whether a waiver or exception has been  
9           granted to any United States coalition partner under  
10          section 362 of title 10, United States Code, while  
11          conducting operations in Yemen.

12          (c) REPORT.—

13           (1) IN GENERAL.—Not later than 120 days  
14          after the date of the enactment of this Act, the Sec-  
15          retary of Defense shall submit to the Committee on  
16          Armed Services of the Senate and the Committee on  
17          Armed Services of the House of Representatives a  
18          report that contains—

19                   (A) the findings from the review required  
20                   under subsection (a);

21                   (B) an analysis of—

22                           (i) the detention and interrogation  
23                           policies and guidance of the Department of  
24                           Defense; and

1                   (ii) the application of such policies  
2                   and guidance to the detention and interro-  
3                   gation operations of allies and partners  
4                   that are supported by the United States;

5                   (C) an assessment of United States re-  
6                   sponsibilities and obligations under Federal law,  
7                   the laws of armed conflict, relevant treaties and  
8                   agreements, and any other applicable law relat-  
9                   ing to the treatment of detainees held by allies  
10                  or partners with United States support;

11                  (D) an assessment of any applicable policy  
12                  requirements or considerations in addition to  
13                  such responsibilities and obligations;

14                  (E) an assessment of the compliance  
15                  standards and enforcement mechanisms associ-  
16                  ated with such responsibilities, obligations, pol-  
17                  icy requirements, or considerations;

18                  (F) a description of any assurances re-  
19                  quired to be obtained from allies and partners  
20                  with respect to the treatment of detainees in  
21                  custody when the United States is involved in  
22                  the capture or interrogation of such detainees,  
23                  including the manner in which and level at  
24                  which such assurances are provided;

1 (G) a description of the means by which  
2 the Department of Defense determines whether  
3 allies and partners comply with such assur-  
4 ances;

5 (H) an explanation of the extent to which  
6 United States support for the detention and in-  
7 terrogation operations of allies and partners is  
8 conditioned on their compliance with such as-  
9 surances; and

10 (I) a description of the procedures used to  
11 report violations of detainee treatment stand-  
12 ards, including procedures relating to violations  
13 occurring at facilities operated by allied or part-  
14 ner countries.

15 (2) FORM.—The report required under this sec-  
16 tion shall be submitted in unclassified form, but may  
17 contain a classified annex.

18 (d) DEFINITIONS.—In this subsection:

19 (1) COALITION PARTNER.—The term “coalition  
20 partner” has the meaning given such term in para-  
21 graph (3) of section 948a of title 10, United States  
22 Code.

23 (2) GROSS VIOLATIONS OF INTERNATIONALLY  
24 RECOGNIZED HUMAN RIGHTS.—The term “gross vio-  
25 lations of internationally recognized human rights”

1 has the meaning given such term in subsection  
2 (d)(1) of section 502B of the Foreign Assistance Act  
3 of 1961 (22 U.S.C. 2304).

4 **SEC. 1275. REPORT ON UNITED STATES GOVERNMENT SE-**  
5 **CURITY COOPERATION AND ASSISTANCE**  
6 **PROGRAMS WITH MEXICO.**

7 (a) REPORT REQUIRED.—Not later than July 1,  
8 2019, the Secretary of Defense and Secretary of State  
9 shall submit to the appropriate congressional committees  
10 a report on United States Government programs relating  
11 to security cooperation with and assistance to Mexico.

12 (b) ELEMENTS.—The report required under sub-  
13 section (a) shall include the following:

14 (1) A description of United States national se-  
15 curity interests in Mexico.

16 (2) A description of the security environment in  
17 Mexico, including descriptions of the threats to  
18 United States interests posed by violence related to  
19 drug trafficking and cartel activity.

20 (3) A description of all United States security  
21 cooperation and assistance programs in Mexico, in-  
22 cluding descriptions of the purpose, objectives, and  
23 type of training, equipment, or assistance provided,  
24 the lead agency with responsibility for each such

1 program, and how such programs advance the na-  
2 tionals security interests of the United States.

3 (4) A description of the cost, scope, size, and  
4 components of such programs for fiscal years 2017  
5 and 2018, including for each such program the fol-  
6 lowing:

7 (A) The purpose and objectives of the pro-  
8 gram.

9 (B) The authority or authorities under  
10 which the program is conducted.

11 (C) The types of units receiving assistance,  
12 including components of the Mexican Armed  
13 Forces, national police, gendarmerie, counter-  
14 narcotics police, counterterrorism police,  
15 Formed Police Units, border security, and cus-  
16 toms.

17 (D) The funding and personnel levels for  
18 the program in each such fiscal year, future  
19 year costs, including sustainment costs, over the  
20 next five fiscal years, and any required in-  
21 creases of capacity to support the program, as  
22 appropriate.

23 (E) The extent to which the program is  
24 implemented by contractors or United States  
25 Government personnel.

1           (F) The metrics for assessing the effective-  
2           ness of such training, equipment, or assistance  
3           provided.

4           (5) An evaluation of the appropriate role of  
5           United States Government departments and agen-  
6           cies in carrying out and coordinating such programs.

7           (6) An evaluation of the appropriate role of  
8           contractors in carrying out such programs, and what  
9           modifications, if any, are needed to improve over-  
10          sight of such contractors.

11          (7) Any other matters determined appropriate  
12          by the Secretary of Defense and Secretary of State.

13          (c) APPROPRIATE CONGRESSIONAL COMMITTEES.—  
14          In this section, the term “appropriate congressional com-  
15          mittees” means—

16               (1) the congressional defense committees; and

17               (2) the Committee on Foreign Relations, the  
18               Committee on Homeland Security and Governmental  
19               Affairs, and the Committee on the Judiciary of the  
20               Senate and the Committee on Foreign Affairs, the  
21               Committee on Homeland Security, and the Com-  
22               mittee on the Judiciary of the House of Representa-  
23               tives.

1 **SEC. 1276. REPORT ON DEPARTMENT OF DEFENSE MIS-**  
2 **SIONS, OPERATIONS, AND ACTIVITIES IN**  
3 **NIGER.**

4 (a) REPORT REQUIRED.—

5 (1) IN GENERAL.—Not later than 180 days  
6 after the date of the enactment of this Act, the Sec-  
7 retary of Defense, in consultation as appropriate  
8 with the Secretary of State, shall submit to the con-  
9 gressional defense committees, the Committee on  
10 Foreign Relations of the Senate, and the Committee  
11 on Foreign Affairs of the House of Representatives  
12 a report on the missions, operations, and activities  
13 of the Department of Defense in Niger that includes  
14 the following:

15 (A) A description of the objectives and the  
16 associated lines of efforts of the Department in  
17 Niger, and the benchmarks for assessing  
18 progress toward such objectives.

19 (B) A description of the timeline for  
20 achieving such objectives in Niger.

21 (C) A justification of the relevance of such  
22 objectives in Niger to the national security of  
23 the United States and to the objectives in the  
24 National Defense Strategy.

25 (D) A description of steps the Department  
26 is taking to ensure that security cooperation in

1 Niger is effectively coordinated with the diplo-  
2 matic and development activities of the Depart-  
3 ment of State and the United States Agency for  
4 International Development.

5 (E) Consistent with the report required by  
6 section 1212 of this Act, a description of the  
7 legal, operational, and funding authorities relat-  
8 ing to the lines of effort of the Department in  
9 Niger.

10 (F) An identification of measures to miti-  
11 gate operational risk to and increase the pre-  
12 paredness of members of the Armed Forces  
13 conducting missions, operations, or activities in  
14 Niger.

15 (G) An assessment of the command and  
16 support relationships of United States Africa  
17 Command with subordinate commands associ-  
18 ated with missions, operations, and activities in  
19 Niger, including Special Operations Command  
20 Africa.

21 (H) A description of each recommendation  
22 included the Army Regulation 15-6 investiga-  
23 tion report conducted by United States Africa  
24 Command regarding the incident in Niger on  
25 October 4, 2017, the current implementation

1 status of such recommendation, and a projected  
2 implementation timeline for any recommenda-  
3 tion not yet implemented or a justification for  
4 not implementing such recommendation.

5 (I) An identification of the measures  
6 taken, consistent with such investigation report,  
7 to mitigate risk to and increase the prepared-  
8 ness of members of the Armed Forces con-  
9 ducting missions, operations, or activities in  
10 Niger and throughout Africa.

11 (J) Any other matter the Secretary deter-  
12 mines to be appropriate.

13 (2) SCOPE OF REPORT.—The report required  
14 by paragraph (1) may also include information with  
15 respect to United States missions, operations, and  
16 activities in other countries in the region, as appro-  
17 priate.

18 (b) FORM.—The report required by subsection (a)(1)  
19 shall be submitted in unclassified form but may contain  
20 a classified annex.

21 **SEC. 1277. REPORT ON THE SECURITY RELATIONSHIP BE-**  
22 **TWEEN THE UNITED STATES AND THE RE-**  
23 **PUBLIC OF CYPRUS.**

24 (a) IN GENERAL.—Not later than 180 days after the  
25 date of the enactment of this Act, the Secretary of Defense

1 and the Secretary of State shall jointly submit to the ap-  
2 propriate congressional committees a report on the secu-  
3 rity relationship between the United States and the Re-  
4 public of Cyprus.

5 (b) ELEMENTS.—The report required by subsection  
6 (a) shall include the following:

7 (1) A description of ongoing military and secu-  
8 rity cooperation between the United States and the  
9 Republic of Cyprus.

10 (2) A discussion of potential steps for enhanc-  
11 ing the bilateral security relationship between the  
12 United States and the Republic of Cyprus, including  
13 steps to enhance the military and security capabili-  
14 ties of the Republic of Cyprus.

15 (3) An analysis of the effectiveness of the  
16 United States arms embargo policy to deny applica-  
17 tions for licenses and other approvals for the export  
18 of defense articles and defense services to the armed  
19 forces of the Republic of Cyprus, and the impact of  
20 such United States policy on—

21 (A) the bilateral security relationship be-  
22 tween the United States and the Republic of  
23 Cyprus; and

24 (B) the ability of the United States and  
25 partners of the United States to achieve shared

1 security objectives in the Eastern Mediterra-  
2 nean region.

3 (4) An analysis of the extent to which such  
4 United States policy is consistent with overall  
5 United States security and policy objectives in the  
6 Eastern Mediterranean region.

7 (5) An assessment of the potential impact of  
8 lifting such United States policy on United States  
9 interests relating to the Republic of Cyprus and the  
10 Eastern Mediterranean region.

11 (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
12 FINED.—In this section, the term “appropriate congres-  
13 sional committees” means—

14 (1) the congressional defense committees; and

15 (2) the Committee on Foreign Relations of the  
16 Senate and the Committee on Foreign Affairs of the  
17 House of Representatives.

18 **SEC. 1278. SENSE OF CONGRESS ON DETENTION OF UNITED**  
19 **STATES CITIZENS BY THE GOVERNMENT OF**  
20 **THE REPUBLIC OF TURKEY.**

21 It is the sense of Congress that—

22 (1) the Government of the Republic of Turkey  
23 continues to unlawfully and wrongfully detain  
24 United States citizens, including Andrew Brunson

1 and Serkan Golge, and staff of United States mis-  
2 sions in the Republic of Turkey; and

3 (2) consistent with the obligations of the Gov-  
4 ernment of the Republic of Turkey under the North  
5 Atlantic Treaty, which commits North Atlantic  
6 Treaty Organization allies to safeguard “the prin-  
7 ciples of democracy, individual liberty, and the rule  
8 of law”, the Government of the Republic of Turkey  
9 should immediately release all United States citizens  
10 who have been wrongfully detained and resolve such  
11 cases in a timely, fair, and transparent manner.

12 **SEC. 1279. TECHNICAL AMENDMENTS RELATED TO NATO**  
13 **SUPPORT AND PROCUREMENT ORGANIZA-**  
14 **TION AND RELATED NATO AGREEMENTS.**

15 (a) TITLE 10, UNITED STATES CODE.—Section  
16 2350d of title 10, United States Code, is amended—

17 (1) by striking “NATO Support Organization”  
18 each place it appears and inserting “NATO Support  
19 and Procurement Organization”;

20 (2) by striking “Support Partnership Agree-  
21 ment” each place it appears and inserting “Support  
22 or Procurement Partnership Agreement”; and

23 (3) in subsection (a)(1), by striking “Support  
24 Partnership Agreements” and inserting “Support or  
25 Procurement Partnership Agreements”.

1 (b) ARMS EXPORT CONTROL ACT.—Section 21(e)(3)  
2 of the Arms Export Control Act (22 U.S.C. 2761(e)(3))  
3 is amended—

4 (1) in subparagraph (A)—

5 (A) in the matter preceding clause (i), by  
6 striking “North Atlantic Treaty Organization  
7 (NATO) Support Organization” and inserting  
8 “North Atlantic Treaty Organization (NATO)  
9 Support and Procurement Organization”; and

10 (B) in clause (i), by striking “support  
11 partnership agreement” and inserting “support  
12 or procurement partnership agreement”; and

13 (2) in subparagraph (C)(i), in the matter pre-  
14 ceding subclause (I)—

15 (A) by striking “‘weapon system partner-  
16 ship agreement’” and inserting “‘support or  
17 procurement partnership agreement’”; and

18 (B) by striking “North Atlantic Treaty Or-  
19 ganization (NATO) Support Organization” and  
20 inserting “North Atlantic Treaty Organization  
21 (NATO) Support and Procurement Organiza-  
22 tion”.

1 **SEC. 1280. REPORT ON PERMANENT STATIONING OF**  
2 **UNITED STATES FORCES IN THE REPUBLIC**  
3 **OF POLAND.**

4 (a) **IN GENERAL.**—Not later than March 1, 2019, the  
5 Secretary of Defense, in coordination with the Secretary  
6 of State, shall submit to the congressional defense commit-  
7 tees a report on the feasibility and advisability of perma-  
8 nently stationing United States forces in the Republic of  
9 Poland.

10 (b) **ELEMENTS.**—The report required by subsection  
11 (a) shall include the following:

12 (1) An assessment of the types of permanently  
13 stationed United States forces in Poland required to  
14 deter aggression by the Russian Federation and exe-  
15 cute Department of Defense contingency plans, in-  
16 cluding combat enabler units in capability areas  
17 such as—

18 (A) combat engineering;

19 (B) logistics and sustainment;

20 (C) warfighting headquarters elements;

21 (D) long-range fires;

22 (E) air and missile defense;

23 (F) intelligence, surveillance, and recon-  
24 naissance; and

25 (G) electronic warfare.

1           (2) An assessment of the feasibility and advis-  
2           ability of permanently stationing a United States  
3           Army brigade combat team in the Republic of Po-  
4           land that includes the following:

5                   (A) An assessment whether a permanently  
6                   stationed United States Army brigade combat  
7                   team in Poland would enhance deterrence  
8                   against Russian aggression in Eastern Europe.

9                   (B) An assessment of the actions the Rus-  
10                  sian Federation may take in response to a  
11                  United States decision to permanently station a  
12                  brigade combat team in Poland.

13                  (C) An assessment of the international po-  
14                  litical considerations of permanently stationing  
15                  such a brigade combat team in Poland, includ-  
16                  ing within the North Atlantic Treaty Organiza-  
17                  tion (NATO).

18                  (D) An assessment whether such a brigade  
19                  combat team in Poland would support imple-  
20                  mentation of the National Defense Strategy.

21                  (E) A description and assessment of the  
22                  manner in which such a brigade combat team  
23                  in Poland would affect the ability of the Joint  
24                  Force to execute Department of Defense contin-  
25                  gency plans in Europe.

1 (F) A description and assessment of the  
2 manner in which such a brigade combat team  
3 in Poland would affect the ability of the Joint  
4 Force to respond to a crisis inside the territory  
5 of a North Atlantic Treaty Organization ally  
6 that occurs prior to the invocation of Article 5  
7 of the Washington Treaty by the North Atlantic  
8 Council.

9 (G) An identification and assessment of—  
10 (i) potential locations in Poland for  
11 stationing such a brigade combat team;  
12 (ii) the logistics requirements, includ-  
13 ing force enablers, equipment, supplies,  
14 storage, and maintenance, that would be  
15 required to support such a brigade combat  
16 team in Poland;  
17 (iii) infrastructure investments by the  
18 United States and Poland, including new  
19 construction or upgrades of existing sites,  
20 that would be required to support such a  
21 brigade combat team in Poland;  
22 (iv) any new agreements, or changes  
23 to existing agreements, between the United  
24 States and Poland that would be required

1 for a such a brigade combat team in Po-  
2 land;

3 (v) any changes to the posture or ca-  
4 pabilities of the Joint Force in Europe  
5 that would be required to support such a  
6 brigade combat team in Poland; and

7 (vi) the timeline required to achieve  
8 the permanent stationing of such a brigade  
9 combat team in Poland.

10 (H) An assessment of the willingness and  
11 ability of the Government of Poland to provide  
12 host nation support for such a brigade combat  
13 team.

14 (I) An assessment whether future growth  
15 in United States Army end strength may be  
16 used to source additional forces for such a bri-  
17 gade combat team in Poland.

18 (c) FORM.—The report required by subsection (a)  
19 shall be submitted in unclassified form, but may include  
20 a classified annex.

21 **SEC. 1281. REPORT ON STRENGTHENING NATO CYBER DE-**  
22 **FENSE.**

23 (a) IN GENERAL.—Not later than March 31, 2019,  
24 the Secretary of Defense shall submit to the congressional  
25 defense committees a report detailing the Department's

1 efforts to enhance the United States' leadership and col-  
2 laboration with the North Atlantic Treaty Organization  
3 with respect to the development of a comprehensive, cross-  
4 domain strategy to build cyber-defense capacity and deter  
5 cyber attacks among Organization member countries.

6 (b) CONTENTS.—The report required by subsection  
7 (a) shall address the following:

8 (1) Improving cyber situational awareness  
9 among Organization member countries.

10 (2) Implementation of the cyber operational-do-  
11 main roadmap of the Organization with respect to  
12 doctrine, political oversight and governance, plan-  
13 ning, rules of engagement, and integration across  
14 Organization member countries.

15 (3) Planned cooperative efforts to combat infor-  
16 mation warfare across Organization member coun-  
17 tries.

18 (4) The development of cyber capabilities, in-  
19 cluding cooperative development efforts and tech-  
20 nology transfer.

21 (5) Supporting stronger cyber partnerships with  
22 non-Organization member countries, as appropriate.

1 **SEC. 1282. REPORT ON STATUS OF THE UNITED STATES RE-**  
2 **LATIONSHIP WITH THE REPUBLIC OF TUR-**  
3 **KEY.**

4 (a) REPORT REQUIRED.—

5 (1) IN GENERAL.—Not later than 90 days after  
6 the date of the enactment of this Act, the Secretary  
7 of Defense, in consultation with the Secretary of  
8 State, shall submit to the appropriate congressional  
9 committees a report on the status of the United  
10 States relationship with the Republic of Turkey.

11 (2) MATTERS TO BE INCLUDED.—The report  
12 required under this subsection shall include the fol-  
13 lowing:

14 (A) An assessment of United States mili-  
15 tary and diplomatic presence in the Republic of  
16 Turkey, including all military activities con-  
17 ducted from Incirlik Air Base or elsewhere.

18 (B) An assessment of the potential pur-  
19 chase by the Government of the Republic of  
20 Turkey of the S-400 air and missile defense  
21 system from the Russian Federation and the  
22 potential effects of such purchase on the United  
23 States-Turkey bilateral relationship, including  
24 an assessment of impacts on other United  
25 States weapon systems and platforms operated  
26 jointly with the Republic of Turkey to include—

1 (i) the F-35 Lightning II Joint Strike  
2 aircraft, including an assessment of the  
3 operational and counterintelligence risks  
4 posed by the deployment of the S-400 air  
5 and missile defense system in the Republic  
6 of Turkey and the steps required to miti-  
7 gate those risks, if possible;

8 (ii) the Patriot surface-to-air missile  
9 system;

10 (iii) the CH-47 Chinook heavy lift  
11 helicopter;

12 (iv) the AH-64 Attack helicopter;

13 (v) the H-60 Black Hawk utility heli-  
14 copter; and

15 (vi) the F-16 Fighting Falcon air-  
16 craft.

17 (C) An assessment of the Republic of Tur-  
18 key's participation in the F-35 program, in-  
19 cluding—

20 (i) a description of industrial partici-  
21 pation of Turkish industry in the manufac-  
22 turing and assembly of the F-35 program;

23 (ii) an assessment of tooling and other  
24 manufacturing materials held by Turkish  
25 industry; and

1 (iii) an assessment of the impacts of  
2 a significant change in participation by the  
3 Republic of Turkey in the F-35 program  
4 and the steps that would be required to  
5 mitigate negative impacts of such a change  
6 on the United States and other inter-  
7 national program partners.

8 (D) An identification of potential alter-  
9 native air and missile defense systems that  
10 could be purchased by the Government of the  
11 Republic of Turkey, including air and missile  
12 defense systems operated by the United States  
13 or other North Atlantic Treaty Organization  
14 (NATO) member states.

15 (3) FORM.—The report required under this  
16 subsection shall be submitted in unclassified form,  
17 but may include a classified annex.

18 (b) LIMITATION.—The Department of Defense may  
19 not deliver any F-35 aircraft to the Republic of Turkey,  
20 until such time as the report identified in subsection (a)  
21 has been submitted.

22 (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
23 FINED.—In this section, the term “appropriate congres-  
24 sional committees” means—

25 (1) the congressional defense committees; and

1           (2) the Committee on Foreign Relations of the  
2       Senate and Committee on Foreign Affairs of the  
3       House of Representatives.

4       **SEC. 1283. SENSE OF THE CONGRESS CONCERNING MILI-**  
5                               **TARY-TO-MILITARY DIALOGUES.**

6       It is the sense of Congress that—

7           (1) military-to-military dialogues, including in  
8       the case of allies, partners, and adversaries and po-  
9       tential adversaries, can be a useful and important  
10      tool for advancing United States national security  
11      objectives in a complex, interactive, and dynamic se-  
12      curity environment;

13          (2) frameworks for military-to-military dia-  
14      logues should be flexible and adaptable to such a se-  
15      curity environment and should be informed by na-  
16      tional security guidance, such as the 2017 National  
17      Security Strategy and the 2018 National Defense  
18      Strategy; and

19          (3) military-to-military dialogues can and  
20      should be reliable, enduring, and tailorable based on  
21      circumstance, so that such dialogues can be trusted  
22      and available when needed, particularly amid esca-  
23      lating tensions.

1 **SEC. 1284. MODIFICATIONS TO GLOBAL ENGAGEMENT CEN-**  
2 **TER.**

3 Section 1287 of the National Defense Authorization  
4 Act for Fiscal Year 2017 (22 U.S.C. 2656 note) is amend-  
5 ed—

6 (1) by amending paragraph (2) of subsection  
7 (a) to read as follows:

8 “(2) PURPOSE.—The purpose of the Center  
9 shall be to direct, lead, synchronize, integrate, and  
10 coordinate efforts of the Federal Government to rec-  
11 ognize, understand, expose, and counter foreign  
12 state and foreign non-state propaganda and  
13 disinformation efforts aimed at undermining or in-  
14 fluencing the policies, security, or stability of the  
15 United States and United States allies and partner  
16 nations.”;

17 (2) in subsection (b)—

18 (A) by amending paragraph (1) to read as  
19 follows:

20 “(1) Direct, lead, synchronize, integrate, and  
21 coordinate interagency and international efforts to  
22 track and evaluate counterfactual narratives abroad  
23 that threaten the policies, security, or stability of the  
24 United States and United States allies and partner  
25 nations.”;

1 (B) by amending paragraph (4) to read as  
2 follows:

3 “(4) Identify current and emerging trends in  
4 foreign propaganda and disinformation in order to  
5 coordinate and shape the development of tactics,  
6 techniques, and procedures to expose and refute for-  
7 eign propaganda and disinformation, and pro-ac-  
8 tively support the promotion of credible, fact-based  
9 narratives and policies to audiences outside the  
10 United States.”;

11 (C) by redesignating paragraphs (6)  
12 through (10) as paragraphs (7) through (11),  
13 respectively;

14 (D) by inserting after paragraph (5) the  
15 following new paragraph:

16 “(6) Measure and evaluate the activities of the  
17 Center, including the outcomes of such activities,  
18 and implement mechanisms to ensure that the activi-  
19 ties of the Center are updated to reflect the results  
20 of such measurement and evaluation.”; and

21 (E) by amending paragraph (8), as so re-  
22 designated, to read as follows:

23 “(8) Use information from appropriate inter-  
24 agency entities to identify the countries, geographic  
25 areas, and populations most susceptible to propa-

1       ganda and disinformation, as well as the countries,  
2       geographic areas, and populations in which such  
3       propaganda and disinformation is likely to cause the  
4       most harm.”;

5               (3) in subsection (d), by amending paragraphs  
6       (1) and (2) to read as follows:

7               “(1) DETAILEES AND ASSIGNEES.—Any Fed-  
8       eral Government employee may be detailed or as-  
9       signed to the Center with or without reimbursement,  
10      consistent with applicable laws and regulations re-  
11      garding such employee, and such detail or assign-  
12      ment shall be without interruption or loss of status  
13      or privilege.

14              “(2) TEMPORARY PERSONNEL.—The Secretary  
15      of State should, when hiring temporary United  
16      States citizen personnel, preference the use of For-  
17      eign Service limited appointments both in the United  
18      States and abroad in accordance with section 309 of  
19      the Foreign Service Act of 1980 (22 U.S.C. 3949).  
20      The Secretary may hire United States citizens or  
21      aliens, as appropriate, including as personal services  
22      contractors, for purposes of personnel resources of  
23      the Center, if—

1           “(A) the Secretary determines that exist-  
2           ing personnel resources or expertise are insuffi-  
3           cient;

4           “(B) the period in which services are pro-  
5           vided by a personal services contractor, includ-  
6           ing options, does not exceed 3 years, unless the  
7           Secretary determines that exceptional cir-  
8           cumstances justify an extension of up to one  
9           additional year;

10           “(C) not more than 50 United States citi-  
11           zens or aliens are employed as personal services  
12           contractors under the authority of this para-  
13           graph at any time; and

14           “(D) the authority of this paragraph is  
15           only used to obtain specialized skills or experi-  
16           ence or to respond to urgent needs.”;

17           (4) in subsection (e), by amending paragraphs  
18           (1) and (2) to read as follows:

19           “(1) IN GENERAL.—For each of fiscal years  
20           2019 and 2020, the Secretary of Defense is author-  
21           ized to transfer, from amounts appropriated to the  
22           Secretary pursuant to the authorization under this  
23           Act, to the Secretary of State not more than  
24           \$60,000,000, to carry out the functions of the Cen-  
25           ter.

1           “(2) NOTICE REQUIREMENT.—The Secretary of  
2           Defense shall notify the Committee on Armed Serv-  
3           ices, the Committee on Appropriations, and the  
4           Committee on Foreign Relations of the Senate and  
5           the Committee on Armed Services, the Committee  
6           on Appropriations, the Committee on Foreign Af-  
7           fairs, and the Committee on Oversight and Govern-  
8           ment Reform of the House of Representatives of a  
9           proposed transfer under paragraph (1) not less than  
10          15 days prior to making such transfer.”;

11           (5) in subsection (f), by amending paragraphs  
12          (1) and (2) to read as follows:

13           “(1) AUTHORITY FOR GRANTS.—The Center is  
14           authorized to provide grants or contracts of financial  
15           support to civil society groups, media content pro-  
16           viders, nongovernmental organizations, federally  
17           funded research and development centers, private  
18           companies, or academic institutions for the following  
19           purposes:

20           “(A) To support local entities and linkages  
21           among such entities, including independent  
22           media entities, that are best positioned to refute  
23           foreign propaganda and disinformation in af-  
24           fected communities.

1           “(B) To collect and store examples of  
2           print, online, and social media disinformation  
3           and propaganda directed at the United States  
4           or United States allies and partner nations.

5           “(C) To analyze and report on tactics,  
6           techniques, and procedures of foreign informa-  
7           tion warfare and other efforts with respect to  
8           disinformation and propaganda.

9           “(D) To support efforts by the Center to  
10          counter efforts by foreign entities to use  
11          disinformation and propaganda to undermine or  
12          influence the policies, security, and social and  
13          political stability of the United States and  
14          United States allies and partner nations.

15          “(2) FUNDING AVAILABILITY AND LIMITA-  
16          TIONS.—The Secretary of State shall provide that  
17          each entity that receives funds under this subsection  
18          is selected in accordance with the relevant existing  
19          regulations through a process that ensures such en-  
20          tity has the credibility and capability to carry out ef-  
21          fectively and in accordance with United States inter-  
22          ests and objectives the purposes specified in para-  
23          graph (1) for which such entity received such fund-  
24          ing.”;



1           (2) urgently prioritize submission of the report  
2           required by section 1239A(d) of the National De-  
3           fense Authorization Act for Fiscal Year 2018 (Pub-  
4           lic Law 115–91; 131 Stat. 1671) on a comprehen-  
5           sive strategy to counter malign activities of Russia.

6 **SEC. 1286. INITIATIVE TO SUPPORT PROTECTION OF NA-**  
7                           **TIONAL SECURITY ACADEMIC RESEARCHERS**  
8                           **FROM UNDUE INFLUENCE AND OTHER SECU-**  
9                           **RITY THREATS.**

10           (a) INITIATIVE REQUIRED.—The Secretary of De-  
11           fense shall, in consultation with other appropriate govern-  
12           ment organizations, establish an initiative to work with  
13           academic institutions who perform defense research and  
14           engineering activities—

15                   (1) to support protection of intellectual prop-  
16                   erty, controlled information, key personnel, and in-  
17                   formation about critical technologies relevant to na-  
18                   tional security;

19                   (2) to limit undue influence, including through  
20                   foreign talent programs, by countries to exploit  
21                   United States technology within the Department of  
22                   Defense research, science and technology, and inno-  
23                   vation enterprise; and

1           (3) to support efforts toward development of  
2 domestic talent in relevant scientific and engineering  
3 fields.

4           (b) INSTITUTIONS AND ORGANIZATIONS.—

5           (1) IN GENERAL.—The initiative required by  
6 subsection (a) shall be developed and executed to the  
7 maximum extent practicable with academic research  
8 institutions and other educational and research orga-  
9 nizations.

10           (2) RECORD OF EXCELLENCE.—In selecting re-  
11 search institutions of higher education under this  
12 subsection, the Secretary shall prioritize selection of  
13 institutions of higher education that the Secretary  
14 determines demonstrate a record of excellence in in-  
15 dustrial security in academia and in research and  
16 development.

17           (c) REQUIREMENTS.—The initiative required by sub-  
18 section (a) shall include development of the following:

19           (1) Information exchange forum and informa-  
20 tion repositories to enable awareness of security  
21 threats and influence operations being executed  
22 against the United States research, technology, and  
23 innovation enterprise.

24           (2) Training and other support for academic in-  
25 stitutions to promote security and limit undue influ-

1           ence on institutions and personnel, including finan-  
2           cial support for execution for such activities.

3           (3) The capacity of government and academic  
4           institutions and institutions of higher education to  
5           assess whether individuals affiliated with Depart-  
6           ment of Defense programs have participated in or  
7           are currently participating in foreign talent pro-  
8           grams or expert recruitment programs.

9           (4) Opportunities to collaborate with defense re-  
10          searchers and research organizations in secure facili-  
11          ties to promote protection of critical information and  
12          strengthen defense against foreign intelligence serv-  
13          ices.

14          (5) Regulations and procedures—

15                (A) for government and academic organi-  
16                zations and personnel to support the goals of  
17                the initiative; and

18                (B) that are consistent with policies that  
19                protect open and scientific exchange in funda-  
20                mental research.

21          (6) Policies to limit or prohibit funding pro-  
22          vided by the Department of Defense for institutions  
23          or individual researchers who knowingly violate regu-  
24          lations developed under the initiative, including reg-  
25          ulations relating to foreign talent programs.

1           (7) Initiatives to support the transition of the  
2       results of academic institution research programs  
3       into defense capabilities.

4       (d) BRIEFING.—Not later than 120 days after the  
5       date of the enactment of this Act, the Secretary shall pro-  
6       vide a briefing to the congressional defense committees on  
7       the following:

8           (1) Ongoing implementation of the initiative re-  
9       quired by subsection (a).

10          (2) The development of a definition for “foreign  
11       talent programs” for the purposes of the initiative.

12          (3) The preliminary results of the report re-  
13       quired by subsection (e).

14       (e) REPORT.—

15          (1) IN GENERAL.—Not later than one year  
16       after the date of the enactment of this Act, the Sec-  
17       retary shall submit to the congressional defense com-  
18       mittees a report on the activities carried out under  
19       the initiative required by subsection (a).

20          (2) CONTENTS.—The report required by para-  
21       graph (1) shall include the following:

22           (A) A description of the activities con-  
23       ducted and the progress made under the initia-  
24       tive.

1 (B) The findings of the Secretary with re-  
2 spect to the initiative.

3 (C) Such recommendations as the Sec-  
4 retary may have for legislative or administrative  
5 action relating to the matters described in sub-  
6 section (a), including actions related to foreign  
7 talent programs.

8 (D) Identification and discussion of the  
9 gaps in legal authorities that need to be im-  
10 prove to enhance the security of research insti-  
11 tutions of higher education performing defense  
12 research.

13 (E) A description of the actions taken by  
14 such institutions to comply with such best prac-  
15 tices and guidelines as may be established by  
16 under the initiative.

17 (3) FORM.—The report submitted under para-  
18 graph (1) shall be submitted in both unclassified and  
19 classified formats, as appropriate.

20 (f) INSTITUTION OF HIGHER EDUCATION DE-  
21 FINED.—The term “institution of higher education” has  
22 the meaning given such term in section 101 of the Higher  
23 Education Act of 1965 (20 U.S.C. 1001).

1 **SEC. 1287. REPORT ON HONDURAS, GUATEMALA, AND EL**  
2 **SALVADOR.**

3 (a) IN GENERAL.—Not later than 180 days after the  
4 date of the enactment of this Act, the Secretary of State,  
5 in coordination with the Secretary of Defense and other  
6 appropriate agencies, shall submit to the congressional de-  
7 fense committees, the Committee on Foreign Relations of  
8 the Senate, and the Committee on Foreign Affairs of the  
9 House of Representatives a report regarding narcotics  
10 trafficking corruption and illicit campaign finance in Hon-  
11 duras, Guatemala, and El Salvador.

12 (b) MATTERS TO BE INCLUDED.—The report re-  
13 quired under subsection (a) shall include—

14 (1) the names of senior government officials in  
15 Honduras, Guatemala, and El Salvador who are  
16 known to have committed or facilitated acts of grand  
17 corruption or narcotics trafficking;

18 (2) the names of elected officials in Honduras,  
19 Guatemala, and El Salvador who are known to have  
20 received campaign funds that are the proceeds of  
21 narco-trafficking or other illicit activities in the last  
22 2 years; and

23 (3) the names of individuals in Honduras, Gua-  
24 temala, and El Salvador who are known to have fa-  
25 cilitated the financing of political campaigns in any  
26 of the Northern Triangle countries with the proceeds

1 of narco-trafficking or other illicit activities in the  
2 last 2 years.

3 (c) FORM.—The report submitted under subsection  
4 (a) shall be submitted in unclassified form, but may in-  
5 clude a classified annex.

6 **SEC. 1288. MODIFICATION OF FREEDOM OF NAVIGATION**  
7 **REPORTING REQUIREMENTS.**

8 Subsection (a) of section 1275 of the National De-  
9 fense Authorization Act for Fiscal Year 2017 (Public Law  
10 114–328; 130 Stat. 2540), as amended by section  
11 1262(a)(1) of the National Defense Authorization Act for  
12 Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1689),  
13 is further amended by striking “the Committees on Armed  
14 Services of the Senate and the House of Representatives”  
15 and inserting “the Committee on Armed Services and the  
16 Committee on Foreign Relations of the Senate and the  
17 Committee on Armed Services and the Committee on For-  
18 eign Affairs of the House of Representatives”.

19 **SEC. 1289. COORDINATION OF EFFORTS TO NEGOTIATE**  
20 **FREE TRADE AGREEMENTS WITH CERTAIN**  
21 **SUB-SAHARAN AFRICAN COUNTRIES.**

22 Section 1293 of the National Defense Authorization  
23 Act for Fiscal Year 2017 (Public Law 114–328; 19 U.S.C.  
24 3723 note) is amended by adding at the end the following:

1       “(c) COORDINATION WITH MILLENNIUM CHAL-  
2   LENGE CORPORATION.—

3               “(1) IN GENERAL.—After the date of the enact-  
4               ment of this subsection, with respect to those coun-  
5               tries identified under section 110(b)(1) of the Trade  
6               Preferences Extension Act of 2015 (Public Law  
7               114–27; 129 Stat. 370; 19 U.S.C. 3705 note) that  
8               also meet the country description in paragraph (2),  
9               the United States Trade Representative shall consult  
10              and coordinate with the Millennium Challenge Cor-  
11              poration and the United States Agency for Inter-  
12              national Development for the purpose of developing  
13              and carrying out the plan required by section 116(b)  
14              of the African Growth and Opportunity Act (19  
15              U.S.C. 3723(b)).

16              “(2) COUNTRY DESCRIPTION.—A country is de-  
17              scribed in this paragraph if the country—

18                      “(A) has entered into a Millennium Chal-  
19                      lenge Compact pursuant to section 609 of the  
20                      Millennium Challenge Act of 2003 (22 U.S.C.  
21                      7708); or

22                      “(B) is selected by the Board of Directors  
23                      of the Millennium Challenge Corporation under  
24                      subsection (c) of section 607 of that Act (22  
25                      U.S.C. 7706) from among the countries deter-

1           mined to be eligible countries under subsection  
2           (a) of that section.”.

3 **SEC. 1290. CERTIFICATIONS REGARDING ACTIONS BY**  
4           **SAUDI ARABIA AND THE UNITED ARAB EMIR-**  
5           **ATES IN YEMEN.**

6           (a) RESTRICTION.—

7           (1) IN GENERAL.—Subject to paragraph (2), if  
8           the Secretary of State is unable under subsection (c)  
9           or (d) to certify that the Government of Saudi Ara-  
10          bia and the Government of the United Arab Emir-  
11          ates are undertaking the effort, measures, and ac-  
12          tions described in subsection (c), no Federal funds  
13          may be obligated or expended after the deadline for  
14          the applicable certification to provide authorized in-  
15          flight refueling pursuant to section 2342 of title 10,  
16          United States Code, or other applicable statutory  
17          authority, of Saudi or Saudi-led coalition non-United  
18          States aircraft conducting missions in Yemen, other  
19          than missions related to—

20                   (A) al Qaeda, al Qaeda in the Arabian Pe-  
21                   ninsula (AQAP), or the Islamic State in Iraq  
22                   and Syria (ISIS);

23                   (B) countering the transport, assembly, or  
24                   employment of ballistic missiles or components  
25                   in Yemen;

1 (C) helping coalition aircraft return safely  
2 to base in emergency situations;

3 (D) force protection of United States air-  
4 craft, ships, or personnel; or

5 (E) freedom of navigation for United  
6 States military and international commerce.

7 (2) WAIVER.—The Secretary may waive the re-  
8 striction in paragraph (1) with respect to a par-  
9 ticular certification if the Secretary—

10 (A) certifies to the appropriate committees  
11 of Congress that the waiver is in the national  
12 security interests of the United States; and

13 (B) submits to the appropriate committees  
14 of Congress a report, in written and unclassi-  
15 fied form, setting forth—

16 (i) the effort in subsection (c)(1)(A),  
17 measures in subsection (c)(1)(B), or ac-  
18 tions in subsections (c)(1)(C) or (c)(2), or  
19 combination thereof, about which the Sec-  
20 retary is unable to make the certification;

21 (ii) a detailed explanation why the  
22 Secretary is unable to make the certifi-  
23 cation about such effort, measures, or ac-  
24 tions;

1 (iii) a description of the actions the  
2 Secretary is taking to encourage the Gov-  
3 ernment of Saudi Arabia or the Govern-  
4 ment of the United Arab Emirates, as ap-  
5 plicable, to undertake such effort, meas-  
6 ures, or actions; and

7 (iv) a detailed justification for the  
8 waiver.

9 (b) REPORTING REQUIREMENT.—Not later than 30  
10 days after the date of the enactment of this Act, the Presi-  
11 dent or the President’s designee shall provide a briefing  
12 to the appropriate committees of Congress including, at  
13 a minimum—

14 (1) a description of Saudi Arabia and the  
15 United Arab Emirates’ military and political objec-  
16 tives in Yemen and whether United States assistance  
17 to the Saudi-led coalition has resulted in significant  
18 progress towards meeting those objectives;

19 (2) a description of efforts by the Government  
20 of Saudi Arabia to avoid disproportionate harm to  
21 civilians and civilian objects in Yemen, and an as-  
22 sessment of whether United States assistance to the  
23 Saudi-led coalition has led to a demonstrable de-  
24 crease in civilians killed or injured by Saudi-led air-  
25 strikes and damage to civilian infrastructure;

1           (3) an assessment of the United Nations  
2           Verification and Inspection Mechanism (UNVIM) in  
3           Yemen and an assessment of the need for existing  
4           secondary inspection and clearance processes and  
5           transshipment requirements on humanitarian and  
6           commercial vessels that have been cleared by  
7           UNVIM;

8           (4) a description of the sources of external sup-  
9           port for the Houthi forces, including financial assist-  
10          ance, weapons transfers, operational planning, train-  
11          ing, and advisory assistance;

12          (5) an assessment of the applicability of United  
13          States and international sanctions to Houthi forces  
14          that have committed grave human rights abuses, ob-  
15          structed international aid, and launched ballistic  
16          missiles into Saudi territory, and an assessment of  
17          the applicability of United States and international  
18          sanctions to individuals or entities providing the  
19          Houthi forces with material support; and

20          (6) an assessment of the effect of the Saudi-led  
21          coalition's military operations in Yemen on the ef-  
22          forts of the United States to defeat al Qaeda in the  
23          Arabian Peninsula and the Islamic State of Iraq and  
24          the Levant.

1           (c) INITIAL CERTIFICATION.—Not later than 30 days  
2 after the date of the enactment of this Act, the Secretary  
3 of State shall submit to the appropriate committees of  
4 Congress a certification indicating whether—

5           (1) the Government of Saudi Arabia and the  
6 Government of the United Arab Emirates are under-  
7 taking—

8           (A) an urgent and good faith effort to sup-  
9 port diplomatic efforts to end the civil war in  
10 Yemen;

11           (B) appropriate measures to alleviate the  
12 humanitarian crisis in Yemen by increasing ac-  
13 cess for Yemenis to food, fuel, medicine, and  
14 medical evacuation, including through the ap-  
15 propriate use of Yemen’s Red Sea ports, includ-  
16 ing the port of Hudaydah, the airport in  
17 Sana’a, and external border crossings with  
18 Saudi Arabia; and

19           (C) demonstrable actions to reduce the risk  
20 of harm to civilians and civilian infrastructure  
21 resulting from military operations of the Gov-  
22 ernment of Saudi Arabia and the Government  
23 of the United Arab Emirates in Yemen, includ-  
24 ing by—

1 (i) complying with applicable agree-  
2 ments and laws regulating defense articles  
3 purchased or transferred from the United  
4 States; and

5 (ii) taking appropriate steps to avoid  
6 disproportionate harm to civilians and ci-  
7 vilian infrastructure; and

8 (2) in the case of Saudi Arabia, the Govern-  
9 ment of Saudi Arabia is undertaking appropriate ac-  
10 tions to reduce any unnecessary delays to shipments  
11 associated with secondary inspection and clearance  
12 processes other than UNVIM.

13 (d) SUBSEQUENT CERTIFICATIONS.—Not later than  
14 180 and 360 days after the date of the enactment of this  
15 Act, the Secretary of State shall submit to the appropriate  
16 committees of Congress a certification indicating whether  
17 the Government of Saudi Arabia and the Government of  
18 the United Arab Emirates are undertaking the effort,  
19 measures, and actions described in subsection (c).

20 (e) RULE OF CONSTRUCTION.—Nothing in this sec-  
21 tion may be construed as authorizing the use of military  
22 force.

23 (f) FORM OF CERTIFICATIONS.—The certifications  
24 required under subsections (c) and (d) shall be written,  
25 detailed, and submitted in unclassified form.

1 (g) STRATEGY REQUIRED.—Not later than 90 days  
2 after the date of the enactment of this Act, the Secretary  
3 of State, in coordination with the Secretary of Defense  
4 and the Administrator of the United States Agency for  
5 International Development, shall submit to the appro-  
6 priate committees of Congress an unclassified report list-  
7 ing United States objectives in Yemen and detailing a  
8 strategy to accomplish those objectives. The report shall  
9 be unclassified but may include a classified annex.

10 (h) APPROPRIATE COMMITTEES OF CONGRESS DE-  
11 FINED.—In this section, the term “appropriate commit-  
12 tees of Congress” means—

13 (1) the Committee on Foreign Relations, the  
14 Committee on Armed Services, and the Committee  
15 on Appropriations of the Senate; and

16 (2) the Committee on Foreign Affairs, the  
17 Committee on Armed Services, and the Committee  
18 on Appropriations of the House of Representatives.

19 **SEC. 1291. TREATMENT OF RWANDAN PATRIOTIC FRONT**  
20 **AND RWANDAN PATRIOTIC ARMY UNDER IM-**  
21 **MIGRATION AND NATIONALITY ACT.**

22 (a) REMOVAL OF TREATMENT AS TERRORIST ORGA-  
23 NIZATIONS.—

24 (1) IN GENERAL.—Except as provided in para-  
25 graph (2), the Rwandan Patriotic Front and the

1 Rwandan Patriotic Army shall be excluded from the  
2 definition of terrorist organization (as defined in sec-  
3 tion 212(a)(3)(B)(vi)(III) of the Immigration and  
4 Nationality Act (8 U.S.C. 1182(a)(3)(B)(vi)(III)))  
5 for purposes of such section 212(a)(3)(B) for any  
6 period before August 1, 1994.

7 (2) EXCEPTION.—

8 (A) IN GENERAL.—The Secretary of State,  
9 in consultation with the Secretary of Homeland  
10 Security and the Attorney General, or the Sec-  
11 retary of Homeland Security, in consultation  
12 with the Secretary of State and the Attorney  
13 General, as applicable, may suspend the appli-  
14 cation of paragraph (1) for the Rwandan Patri-  
15 otic Front or the Rwandan Patriotic Army in  
16 the sole and unreviewable discretion of such ap-  
17 plicable Secretary.

18 (B) REPORT.—Not later than, or contem-  
19 poraneously with, a suspension of paragraph  
20 (1) under subparagraph (A), the Secretary of  
21 State or the Secretary of Homeland Security,  
22 as applicable, shall submit to the appropriate  
23 committees of Congress a report on the jus-  
24 tification for such suspension.

25 (b) RELIEF FROM INADMISSIBILITY.—

1           (1) ACTIVITIES BEFORE AUGUST 1, 1994.—Sec-  
2           tion 212(a)(3)(B) of the Immigration and Nation-  
3           ality Act (8 U.S.C. 1182(a)(3)(B)) shall not apply to  
4           an alien with respect to any activity undertaken by  
5           the alien in association with the Rwandan Patriotic  
6           Front or the Rwandan Patriotic Army before August  
7           1, 1994.

8           (2) EXCEPTIONS.—

9           (A) IN GENERAL.—Paragraph (1) shall not  
10          apply if the Secretary of State or the Secretary  
11          of Homeland Security, as applicable, determines  
12          in the sole unreviewable discretion of such ap-  
13          plicable Secretary that—

14                 (i) in the totality of the cir-  
15                 cumstances, such alien—

16                         (I) poses a threat to the safety  
17                         and security of the United States; or

18                         (II) does not merit a visa, admis-  
19                         sion to the United States, or a grant  
20                         of an immigration benefit or protec-  
21                         tion; or

22                         (ii) such alien committed, ordered, in-  
23                         cited, assisted, or otherwise participated in  
24                         the commission of—

1 (I) an offense described in sec-  
2 tion 2441 of title 18, United States  
3 Code; or

4 (II) an offense described in Pres-  
5 idential Proclamation 8697, dated Au-  
6 gust 4, 2011.

7 (B) IMPLEMENTATION.—Subparagraph  
8 (A) shall be implemented by the Secretary of  
9 State and the Secretary of Homeland Security,  
10 in consultation with the Attorney General.

11 (c) APPROPRIATE COMMITTEES OF CONGRESS DE-  
12 FINED.—In this section, the term “appropriate commit-  
13 tees of Congress” means—

14 (1) the Committee on the Judiciary, the Com-  
15 mittee on Foreign Relations, the Committee on  
16 Homeland Security and Governmental Affairs, and  
17 the Committee on Appropriations of the Senate; and

18 (2) the Committee on the Judiciary, the Com-  
19 mittee on Foreign Affairs, the Committee on Home-  
20 land Security, and the Committee on Appropriations  
21 of the House of Representatives.

22 **SEC. 1292. LIMITATION ON AVAILABILITY OF FUNDS TO IM-**  
23 **PLEMENT THE ARMS TRADE TREATY.**

24 (a) IN GENERAL.—None of the funds authorized to  
25 be appropriated by this Act or otherwise made available

1 for fiscal year 2019 for the Department of Defense may  
2 be obligated or expended to implement the Arms Trade  
3 Treaty, or to make any change to existing programs,  
4 projects, or activities as approved by Congress in further-  
5 ance of, pursuant to, or otherwise to implement such Trea-  
6 ty, unless the Treaty has received the advice and consent  
7 of the Senate and has been the subject of implementing  
8 legislation, as required, by Congress.

9 (b) **RULE OF CONSTRUCTION.**—Nothing in this sec-  
10 tion shall be construed to preclude the Department of De-  
11 fense from assisting foreign countries in bringing their  
12 laws and regulations up to United States standards.

13 **SEC. 1293. PROHIBITION ON PROVISION OF WEAPONS AND**  
14 **OTHER FORMS OF SUPPORT TO CERTAIN OR-**  
15 **GANIZATIONS.**

16 None of the funds authorized to be appropriated by  
17 this Act or otherwise made available to the Department  
18 of Defense for fiscal year 2019 may be used to knowingly  
19 provide weapons or any other form of support to Al Qaeda,  
20 the Islamic State of Iraq and Syria (ISIS), Jabhat Fateh  
21 al Sham, or any individual or group affiliated with any  
22 such organization.

1 **SEC. 1294. MODIFIED WAIVER AUTHORITY FOR CERTAIN**  
2 **SANCTIONABLE TRANSACTIONS UNDER SEC-**  
3 **TION 231 OF THE COUNTERING AMERICA'S**  
4 **ADVERSARIES THROUGH SANCTIONS ACT.**

5 (a) IN GENERAL.—Section 231 of the Countering  
6 America's Adversaries Through Sanctions Act (Public  
7 Law 115–44; 22 U.S.C. 9525) is amended—

8 (1) by redesignating subsections (d) and (e) as  
9 subsection (e) and (f), respectively; and

10 (2) by inserting after subsection (c), as amend-  
11 ed, the following new subsection:

12 “(d) MODIFIED WAIVER AUTHORITY FOR CERTAIN  
13 SANCTIONABLE TRANSACTIONS UNDER THIS SECTION.—

14 “(1) IN GENERAL.—The President may use the  
15 authority under section 236(b) to waive the applica-  
16 tion of sanctions with respect to a person under this  
17 section without regard to section 216 if, not later  
18 than 30 days prior to the waiver taking effect, the  
19 President certifies in writing to the appropriate con-  
20 gressional committees and the Committee on Armed  
21 Services of the Senate and the Committee on Armed  
22 Services of the House of Representatives that—

23 “(A) the waiver is in the national security  
24 interests of the United States;

25 “(B) the significant transaction described  
26 in subsection (a) that the person engaged in

1 with respect to which the waiver is being exer-  
2 cised—

3 “(i) is not a significant transaction  
4 with—

5 “(I) the Main Intelligence Agency  
6 of the General Staff of the Armed  
7 Forces of the Russian Federation;

8 “(II) the Federal Security Serv-  
9 ice of the Russian Federation;

10 “(III) the Foreign Intelligence  
11 Service of the Russian Federation;

12 “(IV) Autonomous Noncommer-  
13 cial Professional Organization/Profes-  
14 sional Association of Designers of  
15 Data Processing (ANO PO KSI);

16 “(V) the Special Technology Cen-  
17 ter;

18 “(VI) Zorsecurity; or

19 “(VII) any person that the Sec-  
20 retary of State, in consultation with  
21 the Director of National Intelligence,  
22 determines—

23 “(aa) to be part of, or oper-  
24 ating for or on behalf of, the de-  
25 fense or intelligence sector of the

1 Government of the Russian Fed-  
2 eration; and

3 “(bb) has directly partici-  
4 pated in or facilitated cyber in-  
5 trusions by the Government of  
6 the Russian Federation; and

7 “(ii) would not—

8 “(I) endanger the integrity of  
9 any multilateral alliance of which the  
10 United States is a part;

11 “(II) adversely affect ongoing op-  
12 erations of the Armed Forces of the  
13 United States, including coalition op-  
14 erations in which the Armed Forces of  
15 the United States participate;

16 “(III) result in a significant neg-  
17 ative impact to defense cooperation  
18 between the United States and the  
19 country whose government has pri-  
20 mary jurisdiction over the person; and

21 “(IV) significantly increase the  
22 risk of compromising United States  
23 defense systems and operational capa-  
24 bilities; and

1           “(C) the government with primary jurisdic-  
2           tion over the person—

3                   “(i) is taking or will take steps to re-  
4                   duce its inventory of major defense equip-  
5                   ment and advanced conventional weapons  
6                   produced by the defense sector of the Rus-  
7                   sian Federation as a share of its total in-  
8                   ventory of major defense equipment and  
9                   advanced conventional weapons over a  
10                  specified period; or

11                   “(ii) is cooperating with the United  
12                   States Government on other security mat-  
13                   ters that are critical to United States stra-  
14                   tegic interests.

15                  “(2) FORM.—The certification described in  
16                  paragraph (1) shall be transmitted in an unclassified  
17                  form, and may contain a classified annex.

18                  “(3) REPORT.—

19                   “(A) IN GENERAL.—Not later than 120  
20                   days after the date on which the President sub-  
21                   mits a certification described in paragraph (1)  
22                   with respect to the waiver of the application of  
23                   sanctions with respect to a person under this  
24                   section, and annually thereafter for two years,  
25                   the Secretary of State and the Secretary of De-

1 fense shall jointly submit to the appropriate  
2 congressional committees and the Committee on  
3 Armed Services of the Senate and the Com-  
4 mittee on Armed Services of the House of Rep-  
5 resentatives a report on the waiver.

6 “(B) MATTERS TO BE INCLUDED.—The  
7 report required by subparagraph (A) shall in-  
8 clude—

9 “(i) the extent to which such waiver  
10 has or has not resulted in the compromise  
11 of United States systems and operational  
12 capabilities, including through the diver-  
13 sion of United States sensitive technology  
14 to a person that is part of, or operates for  
15 or on behalf of, the defense or intelligence  
16 sectors of the Government of the Russian  
17 Federation; and

18 “(ii) the extent to which the govern-  
19 ment with primary jurisdiction over the  
20 person is taking specific actions to further  
21 the enforcement of this title.”.

22 (b) RULE OF CONSTRUCTION.—Nothing in sub-  
23 section (d) of section 231 of the Countering America’s Ad-  
24 versaries Through Sanctions Act (Public Law 115–44; 22  
25 U.S.C. 9525), as added by subsection (a) of this section,

1 shall be construed to modify, waive, or terminate any ex-  
2 isting sanctions with respect to the Russian Federation,  
3 including any Russian person or entity, that are in effect  
4 on the date of the enactment of this Act.

5 (c) REPORT.—

6 (1) INITIAL REPORT.—Not later than 90 days  
7 after the date of the enactment of this Act, the  
8 President shall submit to the appropriate congress-  
9 sional committees a report that describes those per-  
10 sons that the President has determined under sec-  
11 tion 231 of the Countering America’s Adversaries  
12 Through Sanctions Act (Public Law 115–44; 22  
13 U.S.C. 9525) have knowingly engaged, on or after  
14 August 2, 2017, in a significant transaction with a  
15 person that is part of, or operates for or on behalf  
16 of, the defense or intelligence sectors of the Govern-  
17 ment of the Russian Federation, as defined in guid-  
18 ance required under subsection (e) of that section,  
19 as redesignated by subsection (a)(1) of this section.

20 (2) UPDATES.—Not later than 90 days after  
21 the date of the submission of the report required by  
22 paragraph (1), and every 90 days thereafter for a  
23 period of 5 years, the President shall submit to the  
24 appropriate congressional committees an update to  
25 the report required by that paragraph.

1           (3) ELEMENTS.—The report required by para-  
2 graph (1) and each update required by paragraph  
3 (2) shall contain the following:

4           (A) A list of persons that the President  
5 has determined under section 231 of the Coun-  
6 tering America’s Adversaries Through Sanc-  
7 tions Act (Public Law 115–44; 22 U.S.C. 9525)  
8 have knowingly engaged, on or after August 2,  
9 2017, in a significant transaction with a person  
10 that is part of, or operates for or on behalf of,  
11 the defense or intelligence sectors of the Gov-  
12 ernment of the Russian Federation, as defined  
13 in guidance required under subsection (e) of  
14 that section, as redesignated by subsection  
15 (a)(1) of this section.

16           (B) For the initial report required by para-  
17 graph (1), a year-by-year and country-by-coun-  
18 try description of significant transactions from  
19 persons described in paragraph (1), dating back  
20 to August 2, 2017, and for each update re-  
21 quired by paragraph (2), such a description of  
22 significant transactions dating back to the date  
23 of submission of the most recent report sub-  
24 mitted under paragraph (1) or the most recent

1 update submitted under paragraph (2), as ap-  
2 plicable.

3 (C) A description of the significant trans-  
4 actions described in subsection (a) of such sec-  
5 tion 231, including, for each such transaction,  
6 types of material and equipment involved, the  
7 monetary value of the transaction, and the du-  
8 ration of any contract involved.

9 (D) A description of the diplomatic efforts  
10 by the Government of the United States, if any,  
11 to persuade persons to no longer conduct sig-  
12 nificant transactions with persons that are part  
13 of, or operate for or on behalf of, the defense  
14 or intelligence sectors of the Government of the  
15 Russian Federation, as defined in guidance re-  
16 quired under subsection (e) of such section 231,  
17 as redesignated by subsection (a)(1) of this sec-  
18 tion.

19 (E) A description of significant trans-  
20 actions with persons that are part of, or operate  
21 for or on behalf of, the defense or intelligence  
22 sectors of the Government of the Russian Fed-  
23 eration, if any, that the Government of the  
24 United States through diplomatic efforts was  
25 able to persuade persons not to engage in, in-

1 including a description of each such transaction  
2 and the monetary value of the transaction.

3 (4) FORM.—The initial report required by para-  
4 graph (1) and each update required under para-  
5 graph (2) shall be submitted in unclassified form,  
6 but may contain a classified annex.

7 (5) APPROPRIATE CONGRESSIONAL COMMIT-  
8 TEES DEFINED.—In this subsection, the term “ap-  
9 propriate congressional committees” has the mean-  
10 ing given that term in section 221 of the Countering  
11 Russian Influence in Europe and Eurasia Act of  
12 2017 (22 U.S.C. 9521) and includes the Committee  
13 on Armed Services of the Senate and the Committee  
14 on Armed Services of the House of Representatives.

15 **SEC. 1295. RULE OF CONSTRUCTION RELATING TO THE USE**  
16 **OF FORCE.**

17 Nothing in this Act may be construed to authorize  
18 the use of force against Iran or North Korea.

19 **TITLE XIII—COOPERATIVE**  
20 **THREAT REDUCTION**

TITLE XIII—COOPERATIVE THREAT REDUCTION

Sec. 1301. Funding allocations.

Sec. 1302. Specification of cooperative threat reduction funds.

21 **SEC. 1301. FUNDING ALLOCATIONS.**

22 Of the \$335,240,000 authorized to be appropriated  
23 to the Department of Defense for fiscal year 2019 in sec-

1 tion 301 and made available by the funding table in divi-  
2 sion D for the Department of Defense Cooperative Threat  
3 Reduction Program established under section 1321 of the  
4 Department of Defense Cooperative Threat Reduction Act  
5 (50 U.S.C. 3711), the following amounts may be obligated  
6 for the purposes specified:

7 (1) For strategic offensive arms elimination,  
8 \$2,823,000.

9 (2) For chemical weapons destruction,  
10 \$5,446,000.

11 (3) For global nuclear security, \$29,001,000.

12 (4) For cooperative biological engagement,  
13 \$197,585,000.

14 (5) For proliferation prevention, \$74,937,000.

15 (6) For activities designated as Other Assess-  
16 ments/Administrative Costs, \$25,448,000.

17 **SEC. 1302. SPECIFICATION OF COOPERATIVE THREAT RE-**  
18 **DUCTION FUNDS.**

19 Funds appropriated pursuant to the authorization of  
20 appropriations in section 301 and made available by the  
21 funding table in division D for the Department of Defense  
22 Cooperative Threat Reduction Program shall be available  
23 for obligation for fiscal years 2019, 2020, and 2021.

1                   **TITLE XIV—OTHER**  
2                   **AUTHORIZATIONS**

                  Subtitle A—Military Programs

- Sec. 1401. Working capital funds.
- Sec. 1402. Chemical agents and munitions destruction, defense.
- Sec. 1403. Drug interdiction and counter-drug activities, defense-wide.
- Sec. 1404. Defense inspector general.
- Sec. 1405. Defense health program.

                  Subtitle B—Armed Forces Retirement Home

- Sec. 1411. Authorization of appropriations for Armed Forces Retirement Home.
- Sec. 1412. Expansion of eligibility for residence at the Armed Forces Retirement Home.
- Sec. 1413. Oversight of health care provided to residents of the Armed Forces Retirement Home.
- Sec. 1414. Modification of authority on acceptance of gifts for the Armed Forces Retirement Home.
- Sec. 1415. Relief for residents of the Armed Forces Retirement Home impacted by increase in fees.
- Sec. 1416. Limitation on applicability of fee increase for residents of the Armed Forces Retirement Home.

                  Subtitle C—Other Matters

- Sec. 1421. Authority for transfer of funds to joint Department of Defense-Department of Veterans Affairs medical facility demonstration fund for Captain James A. Lovell Health Care Center, Illinois.
- Sec. 1422. Economical and efficient operation of working capital fund activities.
- Sec. 1423. Consolidation of reporting requirements under the Strategic and Critical Materials Stock Piling Act.
- Sec. 1424. Quarterly briefing on progress of chemical demilitarization program.

3                   **Subtitle A—Military Programs**

4                   **SEC. 1401. WORKING CAPITAL FUNDS.**

5                   Funds are hereby authorized to be appropriated for  
6 fiscal year 2019 for the use of the Armed Forces and other  
7 activities and agencies of the Department of Defense for  
8 providing capital for working capital and revolving funds,  
9 as specified in the funding table in section 4501.

1 **SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUC-**  
2 **TION, DEFENSE.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
4 are hereby authorized to be appropriated for the Depart-  
5 ment of Defense for fiscal year 2019 for expenses, not oth-  
6 erwise provided for, for Chemical Agents and Munitions  
7 Destruction, Defense, as specified in the funding table in  
8 section 4501.

9 (b) USE.—Amounts authorized to be appropriated  
10 under subsection (a) are authorized for—

11 (1) the destruction of lethal chemical agents  
12 and munitions in accordance with section 1412 of  
13 the Department of Defense Authorization Act, 1986  
14 (50 U.S.C. 1521); and

15 (2) the destruction of chemical warfare materiel  
16 of the United States that is not covered by section  
17 1412 of such Act.

18 **SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG AC-**  
19 **TIVITIES, DEFENSE-WIDE.**

20 Funds are hereby authorized to be appropriated for  
21 the Department of Defense for fiscal year 2019 for ex-  
22 penses, not otherwise provided for, for Drug Interdiction  
23 and Counter-Drug Activities, Defense-wide, as specified in  
24 the funding table in section 4501.

1 **SEC. 1404. DEFENSE INSPECTOR GENERAL.**

2 Funds are hereby authorized to be appropriated for  
3 the Department of Defense for fiscal year 2019 for ex-  
4 penses, not otherwise provided for, for the Office of the  
5 Inspector General of the Department of Defense, as speci-  
6 fied in the funding table in section 4501.

7 **SEC. 1405. DEFENSE HEALTH PROGRAM.**

8 Funds are hereby authorized to be appropriated for  
9 fiscal year 2019 for the Defense Health Program for use  
10 of the Armed Forces and other activities and agencies of  
11 the Department of Defense for providing for the health  
12 of eligible beneficiaries, as specified in the funding table  
13 in section 4501.

14 **Subtitle B—Armed Forces**  
15 **Retirement Home**

16 **SEC. 1411. AUTHORIZATION OF APPROPRIATIONS FOR**  
17 **ARMED FORCES RETIREMENT HOME.**

18 There is hereby authorized to be appropriated for fis-  
19 cal year 2019 from the Armed Forces Retirement Home  
20 Trust Fund the sum of \$64,300,000 for the operation of  
21 the Armed Forces Retirement Home.

22 **SEC. 1412. EXPANSION OF ELIGIBILITY FOR RESIDENCE AT**  
23 **THE ARMED FORCES RETIREMENT HOME.**

24 Section 1512 of the Armed Forces Retirement Home  
25 Act of 1991 (24 U.S.C. 412) is amended to read as fol-  
26 lows:

1 **“SEC. 1512. RESIDENTS OF RETIREMENT HOME.**

2       “(a) PERSONS ELIGIBLE TO BE RESIDENTS.—Ex-  
3 cept as provided in subsection (b), the following persons  
4 who served as members of the Armed Forces, at least one-  
5 half of whose service was not active commissioned service  
6 (other than as a warrant officer or limited-duty officer),  
7 are eligible to become residents of the Retirement Home:

8           “(1) Persons who are 60 years of age or over  
9 and were discharged or released from service in the  
10 Armed Forces after 20 or more years of active serv-  
11 ice.

12           “(2) Persons who are determined under rules  
13 prescribed by the Chief Operating Officer to be suf-  
14 fering from a service-connected disability incurred in  
15 the line of duty in the Armed Forces.

16           “(3) Persons who served in a war theater dur-  
17 ing a time of war declared by Congress or were eligi-  
18 ble for hostile fire special pay under section 310 or  
19 351 of title 37, United States Code, and who are de-  
20 termined under rules prescribed by the Chief Oper-  
21 ating Officer to be suffering from injuries, disease,  
22 or disability.

23           “(4) Persons who served in a women’s compo-  
24 nent of the Armed Forces before June 12, 1948,  
25 and are determined under rules prescribed by the

1 Chief Operating Officer to be eligible for admission  
2 because of compelling personal circumstances.

3 “(b) PERSONS INELIGIBLE TO BE RESIDENTS.—The  
4 following persons are ineligible to become a resident of the  
5 Retirement Home:

6 “(1) A person who—

7 “(A) has been convicted of a felony; or

8 “(B) was discharged or released from serv-  
9 ice in the Armed Forces under other than hon-  
10 orable conditions.

11 “(2) A person with substance abuse or mental  
12 health problems, except upon a judgment and satis-  
13 factory determination by the Chief Operating Officer  
14 that—

15 “(A) the person has been evaluated by a  
16 qualified health professional selected by the Re-  
17 tirement Home;

18 “(B) the Retirement Home can accommo-  
19 date the person’s condition; and

20 “(C) the person agrees to such conditions  
21 of residency as the Retirement Home may re-  
22 quire.

23 “(c) ACCEPTANCE.—To apply for acceptance as a  
24 resident of a facility of the Retirement Home, a person  
25 eligible to be a resident shall submit to the Administrator

1 of that facility an application in such form and containing  
2 such information as the Chief Operating Officer may re-  
3 quire.

4 “(d) PRIORITIES FOR ACCEPTANCE.—The Chief Op-  
5 erating Officer shall establish a system of priorities for  
6 the acceptance of residents so that the most deserving ap-  
7 plicants will be accepted whenever the number of eligible  
8 applicants is greater than the Retirement Home can ac-  
9 commodate.

10 “(e) SPOUSES OF RESIDENTS.—

11 “(1) AUTHORITY TO ADMIT.—Except as other-  
12 wise established pursuant to subsection (d), the  
13 spouse of a person accepted as a resident of a facil-  
14 ity of the Retirement Home may be admitted to that  
15 facility if the spouse—

16 “(A) is a covered beneficiary within the  
17 meaning of section 1072(5) of title 10, United  
18 States Code;

19 “(B) is not ineligible to become a resident  
20 as provided in subsection (b); and

21 “(C) submits an application for admittance  
22 in accordance with subsection (c).

23 “(2) TREATMENT AS RESIDENT.—A spouse ad-  
24 mitted in accordance with paragraph (1) shall be a  
25 resident of the Retirement Home consistent with

1 this Act, except as the Chief Operating Officer may  
2 otherwise provide.”.

3 **SEC. 1413. OVERSIGHT OF HEALTH CARE PROVIDED TO**  
4 **RESIDENTS OF THE ARMED FORCES RETIRE-**  
5 **MENT HOME.**

6 Section 1513A(c) of the Armed Forces Retirement  
7 Home Act of 1991 (24 U.S.C. 413a(c)) is amended—

8 (1) by striking paragraph (1) and inserting the  
9 following new paragraph (1):

10 “(1) Facilitate and monitor the timely avail-  
11 ability to residents of the Retirement Home such  
12 medical, mental health, and dental care services as  
13 such residents may require at locations other than  
14 the Retirement Home.”

15 (2) in paragraph (2), by striking “Ensure” and  
16 inserting “Monitor”.

17 **SEC. 1414. MODIFICATION OF AUTHORITY ON ACCEPTANCE**  
18 **OF GIFTS FOR THE ARMED FORCES RETIRE-**  
19 **MENT HOME.**

20 Paragraph (1) of section 1515(f) of the Armed  
21 Forces Retirement Home Act of 1991 (24 U.S.C. 415(f))  
22 is amended to read as follows:

23 “(1) The Chief Operating Officer may accept, receive,  
24 solicit, hold, administer, and use any gift, devise, or be-  
25 quest, either absolutely or in trust, of real or personal

1 property, or any income therefrom or other interest there-  
2 in, for the benefit of the Retirement Home.”.

3 **SEC. 1415. RELIEF FOR RESIDENTS OF THE ARMED FORCES**  
4 **RETIREMENT HOME IMPACTED BY INCREASE**  
5 **IN FEES.**

6 (a) PROHIBITION ON REMOVAL FOR INABILITY TO  
7 PAY FEE INCREASE.—A resident of the Armed Forces Re-  
8 tirement Home as of September 30, 2018, may not be re-  
9 moved or released from the Retirement Home after that  
10 date based solely upon the inability of the resident to pay  
11 the amount of any increase in fees applicable to residents  
12 of the Retirement Home that takes effect on October 1,  
13 2018.

14 (b) OTHER RELIEF.—The Chief Operating Officer of  
15 the Armed Forces Retirement Home shall take all actions  
16 practicable to accommodate residents of the Retirement  
17 Home who are impacted by the fee structure applicable  
18 to residents of the Retirement Home that takes effect on  
19 October 1, 2018, including through hardship relief, addi-  
20 tional deductions from gross income, and other appro-  
21 priate actions.

1 **SEC. 1416. LIMITATION ON APPLICABILITY OF FEE IN-**  
2 **CREASE FOR RESIDENTS OF THE ARMED**  
3 **FORCES RETIREMENT HOME.**

4 (a) **IN GENERAL.**—In the case of an individual who  
5 was a resident of the Armed Forces Retirement Home as  
6 of April 9, 2018, the increase in fees for residents of the  
7 Home scheduled to take effect on October 1, 2018, shall  
8 occur on an incremental basis over the three-year period  
9 beginning on October 1, 2018, such that the total fee for  
10 such individual as a resident of the Home as of the end  
11 of such period covers the cost of care of such individual  
12 as a resident of the Home.

13 (b) **NOTICE AND WAIT ON IMPLEMENTATION OF FU-**  
14 **TURE INCREASES.**—Any increase in the fees for residents  
15 of the Home that is scheduled to take effect after October  
16 1, 2018, may not take effect until 90 days after the date  
17 on which a report on the increase is submitted to the Com-  
18 mittees on Armed Services of the Senate and the House  
19 of Representatives.

1                   **Subtitle C—Other Matters**

2   **SEC. 1421. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT**  
3                   **DEPARTMENT OF DEFENSE-DEPARTMENT OF**  
4                   **VETERANS AFFAIRS MEDICAL FACILITY DEM-**  
5                   **ONSTRATION FUND FOR CAPTAIN JAMES A.**  
6                   **LOVELL HEALTH CARE CENTER, ILLINOIS.**

7           (a) **AUTHORITY FOR TRANSFER OF FUNDS.**—Of the  
8 funds authorized to be appropriated by section 1405 and  
9 available for the Defense Health Program for operation  
10 and maintenance, \$113,000,000 may be transferred by the  
11 Secretary of Defense to the Joint Department of Defense—  
12 Department of Veterans Affairs Medical Facility Dem-  
13 onstration Fund established by subsection (a)(1) of sec-  
14 tion 1704 of the National Defense Authorization Act for  
15 Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571).  
16 For purposes of subsection (a)(2) of such section 1704,  
17 any funds so transferred shall be treated as amounts au-  
18 thorized and appropriated specifically for the purpose of  
19 such a transfer.

20           (b) **USE OF TRANSFERRED FUNDS.**—For the pur-  
21 poses of subsection (b) of such section 1704, facility oper-  
22 ations for which funds transferred under subsection (a)  
23 may be used are operations of the Captain James A.  
24 Lovell Federal Health Care Center, consisting of the  
25 North Chicago Veterans Affairs Medical Center, the Navy

1 Ambulatory Care Center, and supporting facilities des-  
2 igned as a combined Federal medical facility under an  
3 operational agreement covered by section 706 of the Dun-  
4 can Hunter National Defense Authorization Act for Fiscal  
5 Year 2009 (Public Law 110–417; 122 Stat. 4500).

6 **SEC. 1422. ECONOMICAL AND EFFICIENT OPERATION OF**  
7 **WORKING CAPITAL FUND ACTIVITIES.**

8 Section 2208(e) of title 10, United States Code, is  
9 amended by adding at the end the following: “The accom-  
10 plishment of the most economical and efficient organiza-  
11 tion and operation of working capital fund activities for  
12 the purposes of this subsection shall include actions to-  
13 ward the following:

14 “(1) Undertaking efforts to optimize the rate  
15 structure for all requisitioning entities.

16 “(2) Encouraging a working capital fund activ-  
17 ity to perform reimbursable work for other entities  
18 to sustain the efficient use of the workforce.

19 “(3) Determining the appropriate leadership  
20 level for approving work from outside entities to  
21 maximize efficiency.”.

1 **SEC. 1423. CONSOLIDATION OF REPORTING REQUIRE-**  
2 **MENTS UNDER THE STRATEGIC AND CRIT-**  
3 **ICAL MATERIALS STOCK PILING ACT.**

4 Section 11 of the Strategic and Critical Materials  
5 Stock Piling Act (50 U.S.C. 98h-2) is amended—

6 (1) in subsection (a), by striking “January 15”  
7 and inserting “February 15”; and

8 (2) in subsection (b)—

9 (A) in paragraph (1), by striking “Not  
10 later” and all that follows through “report con-  
11 taining” and inserting “Each report under sub-  
12 section (a) shall also include”; and

13 (B) in paragraph (2)—

14 (i) by striking “Each” in the first sen-  
15 tence and inserting “With respect to the  
16 plan described in paragraph (1), each”;  
17 and

18 (ii) by striking “Each such report” in  
19 the second sentence and inserting “With  
20 respect to such plan, each report”.

21 **SEC. 1424. QUARTERLY BRIEFING ON PROGRESS OF CHEM-**  
22 **ICAL DEMILITARIZATION PROGRAM.**

23 Section 1412(j) of the Department of Defense Au-  
24 thorization Act, 1986 (50 U.S.C. 1521(j)) is amended—

25 (1) in the heading, by striking “Semiannual Re-  
26 ports” and inserting “QUARTERLY BRIEFING”;

1 (2) in paragraph (1)—

2 (A) by striking “March 1” and all that fol-  
3 lows through “the year in which” and inserting  
4 “90 days after the date of the enactment of the  
5 National Defense Authorization Act for Fiscal  
6 Year 2019, and every 90 days thereafter until”;

7 (B) by striking “submit to” and inserting  
8 “brief”;

9 (C) by striking “a report on the implemen-  
10 tation” and inserting “on the progress made”;  
11 and

12 (D) by striking “of its chemical weapons  
13 destruction obligations” and inserting “toward  
14 fulfilling its chemical weapons destruction obli-  
15 gations”; and

16 (3) by striking paragraph (2) and inserting the  
17 following:

18 “(2) Each briefing under paragraph (1) shall  
19 include a description of contractor costs and per-  
20 formance relative to schedule, the progress to date  
21 toward the complete destruction of the stockpile, and  
22 any other information the Secretary determines to  
23 be relevant.”.

1 **TITLE XV—AUTHORIZATION OF**  
2 **ADDITIONAL APPROPRIA-**  
3 **TIONS FOR OVERSEAS CON-**  
4 **TINGENCY OPERATIONS**

Subtitle A—Authorization of Appropriations

- Sec. 1501. Purpose.
- Sec. 1502. Procurement.
- Sec. 1503. Research, development, test, and evaluation.
- Sec. 1504. Operation and maintenance.
- Sec. 1505. Military personnel.
- Sec. 1506. Working capital funds.
- Sec. 1507. Drug interdiction and counter-drug activities, defense-wide.
- Sec. 1508. Defense inspector general.
- Sec. 1509. Defense health program.

Subtitle B—Financial Matters

- Sec. 1511. Treatment as additional authorizations.
- Sec. 1512. Special transfer authority.
- Sec. 1513. Overseas contingency operations.

Subtitle C—Other Matters

- Sec. 1521. Joint Improvised-Threat Defeat Organization.
- Sec. 1522. Enduring costs funded through overseas contingency operations.
- Sec. 1523. Comptroller General report on use of funds provided by overseas contingency operations.

5 **Subtitle A—Authorization of**  
6 **Appropriations**

7 **SEC. 1501. PURPOSE.**

8 The purpose of this subtitle is to authorize appropria-  
9 tions for the Department of Defense for fiscal year 2019  
10 to provide additional funds for overseas contingency oper-  
11 ations being carried out by the Armed Forces.

12 **SEC. 1502. PROCUREMENT.**

13 Funds are hereby authorized to be appropriated for  
14 fiscal year 2019 for procurement accounts for the Army,

1 the Navy and the Marine Corps, the Air Force, and De-  
2 fense-wide activities, as specified in the funding table in  
3 section 4102.

4 **SEC. 1503. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
5 **TION.**

6 Funds are hereby authorized to be appropriated for  
7 fiscal year 2019 for the use of the Department of Defense  
8 for research, development, test, and evaluation, as speci-  
9 fied in the funding table in section 4202.

10 **SEC. 1504. OPERATION AND MAINTENANCE.**

11 Funds are hereby authorized to be appropriated for  
12 fiscal year 2019 for the use of the Armed Forces and other  
13 activities and agencies of the Department of Defense for  
14 expenses, not otherwise provided for, for operation and  
15 maintenance, as specified in the funding table in section  
16 4302.

17 **SEC. 1505. MILITARY PERSONNEL.**

18 Funds are hereby authorized to be appropriated for  
19 fiscal year 2019 for the use of the Armed Forces and other  
20 activities and agencies of the Department of Defense for  
21 expenses, not otherwise provided for, for military per-  
22 sonnel, as specified in the funding table in section 4402.

23 **SEC. 1506. WORKING CAPITAL FUNDS.**

24 Funds are hereby authorized to be appropriated for  
25 fiscal year 2019 for the use of the Armed Forces and other

1 activities and agencies of the Department of Defense for  
2 providing capital for working capital and revolving funds,  
3 as specified in the funding table in section 4502.

4 **SEC. 1507. DRUG INTERDICTION AND COUNTER-DRUG AC-**  
5 **TIVITIES, DEFENSE-WIDE.**

6 Funds are hereby authorized to be appropriated for  
7 the Department of Defense for fiscal year 2019 for ex-  
8 penses, not otherwise provided for, for Drug Interdiction  
9 and Counter-Drug Activities, Defense-wide, as specified in  
10 the funding table in section 4502.

11 **SEC. 1508. DEFENSE INSPECTOR GENERAL.**

12 Funds are hereby authorized to be appropriated for  
13 the Department of Defense for fiscal year 2019 for ex-  
14 penses, not otherwise provided for, for the Office of the  
15 Inspector General of the Department of Defense, as speci-  
16 fied in the funding table in section 4502.

17 **SEC. 1509. DEFENSE HEALTH PROGRAM.**

18 Funds are hereby authorized to be appropriated for  
19 the Department of Defense for fiscal year 2019 for ex-  
20 penses, not otherwise provided for, for the Defense Health  
21 Program, as specified in the funding table in section 4502.

## 1           **Subtitle B—Financial Matters**

### 2   **SEC. 1511. TREATMENT AS ADDITIONAL AUTHORIZATIONS.**

3           The amounts authorized to be appropriated by this  
4 title are in addition to amounts otherwise authorized to  
5 be appropriated by this Act.

### 6   **SEC. 1512. SPECIAL TRANSFER AUTHORITY.**

#### 7           (a) AUTHORITY TO TRANSFER AUTHORIZATIONS.—

8                   (1) AUTHORITY.—Upon determination by the  
9 Secretary of Defense that such action is necessary in  
10 the national interest, the Secretary may transfer  
11 amounts of authorizations made available to the De-  
12 partment of Defense in this title for fiscal year 2019  
13 between any such authorizations for that fiscal year  
14 (or any subdivisions thereof). Amounts of authoriza-  
15 tions so transferred shall be merged with and be  
16 available for the same purposes as the authorization  
17 to which transferred.

18                   (2) LIMITATION.—The total amount of author-  
19 izations that the Secretary may transfer under the  
20 authority of this subsection may not exceed  
21 \$3,500,000,000.

22           (b) TERMS AND CONDITIONS.—Transfers under this  
23 section shall be subject to the same terms and conditions  
24 as transfers under section 1001.

1 (c) ADDITIONAL AUTHORITY.—The transfer author-  
2 ity provided by this section is in addition to the transfer  
3 authority provided under section 1001.

4 **SEC. 1513. OVERSEAS CONTINGENCY OPERATIONS.**

5 Funds are hereby authorized to be appropriated for  
6 fiscal year 2019 for the Department of Defense for over-  
7 seas contingency operations in such amounts as may be  
8 designated as provided in section 251(b)(2)(A)(ii) of the  
9 Balanced Budget and Emergency Deficit Control Act of  
10 1985 (2 U.S.C. 901(b)(2)(A)(ii)).

11 **Subtitle C—Other Matters**

12 **SEC. 1521. JOINT IMPROVISED-THREAT DEFEAT ORGANIZA-**  
13 **TION.**

14 (a) USE AND TRANSFER OF FUNDS.—

15 (1) IN GENERAL.—Subsections (b) and (c) of  
16 section 1514 of the John Warner National Defense  
17 Authorization Act for Fiscal Year 2007 (Public Law  
18 109–364; 120 Stat. 2439), as in effect before the  
19 amendments made by section 1503 of the Duncan  
20 Hunter National Defense Authorization Act for Fis-  
21 cal Year 2009 (Public Law 110–417; 122 Stat.  
22 4649), shall apply to amounts made available for fis-  
23 cal year 2019 for the Department of Defense for the  
24 Joint Improvised-Threat Defeat Organization.

1           (2) REFERENCES TO JOINT IMPROVISED EX-  
2 PLOSIVE DEVICE DEFEAT FUND.—In the application  
3 of paragraph (1) to the use of funds described in  
4 that paragraph in fiscal year 2019, any reference in  
5 the subsections referred to in that paragraph to the  
6 Joint Improvised Explosive Device Defeat Fund  
7 shall be deemed to be a reference to the Joint Im-  
8 proved-Threat Defeat Organization.

9           (b) INTERDICTION OF IMPROVISED EXPLOSIVE DE-  
10 VICE PRECURSOR CHEMICALS.—

11           (1) AVAILABILITY OF FUNDS.—Of the amounts  
12 authorized to be appropriated for fiscal year 2019  
13 for the Department of Defense by this Act for the  
14 Joint Improvised-Threat Defeat Organization,  
15 \$15,000,000 may be made available to the Secretary  
16 of Defense, with the concurrence of the Secretary of  
17 State, to provide training, equipment, supplies, and  
18 services to ministries and other entities of foreign  
19 governments that the Secretary of Defense has iden-  
20 tified as critical for countering the flow of impro-  
21 vised explosive device precursor chemicals.

22           (2) PROVISION THROUGH OTHER UNITED  
23 STATES AGENCIES.—If jointly agreed upon by the  
24 Secretary of Defense and the head of another de-  
25 partment or agency of the United States Govern-

1       ment, the Secretary of Defense may transfer  
2       amounts made available under paragraph (1) to  
3       such department or agency for the provision by such  
4       department or agency of training, equipment, sup-  
5       plies, and services to ministries and other entities of  
6       foreign governments as described in that paragraph.

7           (3) NOTICE TO CONGRESS.—None of the funds  
8       made available under paragraph (1) may be obli-  
9       gated or expended to supply training, equipment,  
10      supplies, or services to a foreign country before the  
11      date that is 15 days after the date on which the Sec-  
12      retary of Defense, in coordination with the Secretary  
13      of State, has submitted to the congressional defense  
14      committees, the Committee on Foreign Relations of  
15      the Senate, and the Committee on Foreign Affairs  
16      of the House of Representatives a notice that in-  
17      cludes each of the following:

18           (A) The name of the foreign country for  
19      which training, equipment, supplies, or services  
20      are proposed to be supplied.

21           (B) A description of the training, equip-  
22      ment, supplies, and services to be provided to  
23      such foreign country using such funds.

24           (C) A detailed description of the amounts  
25      proposed to be obligated or expended to supply

1           such training, equipment, supplies, or services,  
2           including—

3                   (i) any amounts proposed to be obli-  
4                   gated or expended to support the participa-  
5                   tion of a department or agency of the  
6                   United States Government other than the  
7                   Department of Defense; and

8                   (ii) a description of the training,  
9                   equipment, supplies, or services proposed  
10                  to be supplied.

11               (D) An evaluation of the effectiveness of  
12               the efforts of such foreign country to counter  
13               the flow of improvised explosive device pre-  
14               cursor chemicals.

15               (E) An overall plan for countering the flow  
16               of precursor chemicals in such foreign country.

17               (4) EXPIRATION.—The authority provided by  
18               this subsection expires on December 31, 2019.

19               (c) TRANSITION PLAN REQUIRED.—Not later than  
20               March 1, 2019, the Secretary of Defense shall submit to  
21               the congressional defense committees a plan to transition  
22               funding for the Joint Improvised-Threat Defeat Organiza-  
23               tion from amounts made available for overseas contin-  
24               gency operations to amounts otherwise made available for  
25               the purposes of such Organization.

1 **SEC. 1522. ENDURING COSTS FUNDED THROUGH OVERSEAS**  
2 **CONTINGENCY OPERATIONS.**

3 (a) REPORT REQUIRED.—Not later than 14 days  
4 after the President submits to Congress the budget re-  
5 quest for each of fiscal years 2020, 2021, 2022, 2023,  
6 and 2024, pursuant to section 1105 of title 31, United  
7 States Code, the Under Secretary of Defense (Comp-  
8 troller) shall submit to the congressional defense commit-  
9 tees a report on enduring costs funded through overseas  
10 contingency operations.

11 (b) ELEMENTS.—Each report required by subsection  
12 (a) shall include the following:

13 (1) An estimate of the costs of operations cur-  
14 rently supported in part or in whole by requested  
15 funding for overseas contingency operations that are  
16 likely to continue beyond such contingency, in ac-  
17 cordance with the recommendation in the Govern-  
18 ment Accountability Office report entitled “Overseas  
19 Contingency Operations: OMB and DOD Should Re-  
20 vise the Criteria for Determining Eligible Costs and  
21 Identify the Costs Likely to Endure Long Term”  
22 published on January 18, 2017.

23 (2) With respect to programs, projects, or ac-  
24 tivities for which the source of the requested funds  
25 has shifted from overseas contingency operations

1 funding in the previous fiscal year to base budget  
2 funding in the current fiscal year—

3 (A) a description of the criteria used by  
4 the Department of Defense and the Armed  
5 Forces in determining the programs, projects,  
6 and activities for which funds were requested in  
7 the budget request of the current fiscal year for  
8 overseas contingency operations, including any  
9 changes relative to the criteria issued in 2010  
10 that was used by the Office of Management and  
11 Budget to identify such programs, projects, and  
12 activities for such funding requests;

13 (B) a list of each such program, project, or  
14 activity and the amount requested for each such  
15 program, project, or activity, at the following  
16 levels of detail:

17 (i) For procurement, by line item.

18 (ii) For research, development, test,  
19 and evaluation, by program element num-  
20 ber.

21 (iii) For operation and maintenance,  
22 by sub-activity group.

23 (iv) For military personnel, by sub-ac-  
24 tivity group.

1 (v) For revolving and management  
2 funds, by sub-activity group.

3 (vi) For military construction, by  
4 project.

5 (c) FORM.—The report required by subsection (a)  
6 shall be submitted in unclassified form but may contain  
7 a classified annex.

8 **SEC. 1523. COMPTROLLER GENERAL REPORT ON USE OF**  
9 **FUNDS PROVIDED BY OVERSEAS CONTIN-**  
10 **GENCY OPERATIONS.**

11 (a) REPORT.—Not later than 180 days after the date  
12 of the enactment of this Act, the Comptroller General of  
13 the United States shall submit to Congress a report on  
14 how funds authorized to be appropriated for fiscal year  
15 2018 for overseas contingency operations were obligated.

16 (b) FORM.—The report required by subsection (a)  
17 shall be submitted in unclassified form, but may include  
18 a classified annex.

19 **TITLE XVI—STRATEGIC PRO-**  
20 **GRAMS, CYBER, AND INTEL-**  
21 **LIGENCE MATTERS**

Subtitle A—Space Activities

Sec. 1601. Improvements to acquisition system, personnel, and organization of space forces.

Sec. 1602. Modifications to Space Rapid Capabilities Office.

Sec. 1603. Rapid, responsive, and reliable space launch.

Sec. 1604. Provision of space situational awareness services and information.

Sec. 1605. Budget assessments for national security space programs.

Sec. 1606. Improvements to commercial space launch operations.

- Sec. 1607. Space warfighting policy, review of space capabilities, and plan on space warfighting readiness.
- Sec. 1608. Use of small- and medium-size buses for strategic and tactical satellite payloads.
- Sec. 1609. Enhancement of positioning, navigation, and timing capacity.
- Sec. 1610. Designation of component of Department of Defense responsible for coordination of modernization efforts relating to military-code capable GPS receiver cards.
- Sec. 1611. Designation of component of Department of Defense responsible for coordination of hosted payload information.
- Sec. 1612. Limitation on availability of funds for Joint Space Operations Center mission system.
- Sec. 1613. Evaluation and enhanced security of supply chain for protected satellite communications programs and overhead persistent infrared systems.
- Sec. 1614. Report on protected satellite communications.
- Sec. 1615. Report on enhancements to the Global Positioning System Operational Control Segment.
- Sec. 1616. Report on persistent weather imagery for United States Central Command.
- Sec. 1617. Study on space-based radio frequency mapping.
- Sec. 1618. Independent study on space launch locations.
- Sec. 1619. Briefing on commercial satellite servicing capabilities.

#### Subtitle B—Defense Intelligence and Intelligence-Related Activities

- Sec. 1621. Role of Under Secretary of Defense for Intelligence.
- Sec. 1622. Security vetting for foreign nationals.
- Sec. 1623. Department of Defense Counterintelligence polygraph program.
- Sec. 1624. Defense intelligence business management systems.
- Sec. 1625. Modification to annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands.
- Sec. 1626. Framework on governance, mission management, resourcing, and effective oversight of combat support agencies that are also elements of the intelligence community.

#### Subtitle C—Cyberspace-Related Matters

- Sec. 1631. Reorganization and consolidation of certain cyber provisions.
- Sec. 1632. Affirming the authority of the Secretary of Defense to conduct military activities and operations in cyberspace.
- Sec. 1633. Department of Defense Cyber Scholarship Program scholarships and grants.
- Sec. 1634. Amendments to pilot program regarding cyber vulnerabilities of Department of Defense critical infrastructure.
- Sec. 1635. Modification of acquisition authority of the Commander of the United States Cyber Command.
- Sec. 1636. Policy of the United States on cyberspace, cybersecurity, cyber warfare, and cyber deterrence.
- Sec. 1637. Budget display for cyber vulnerability evaluations and mitigation activities for major weapon systems of the Department of Defense.
- Sec. 1638. Determination of responsibility for the Department of Defense Information Networks.

- Sec. 1639. Procedures and reporting requirement on cybersecurity breaches and loss of personally identifiable information and controlled unclassified information.
- Sec. 1640. Program to establish cyber institutes at institutions of higher learning.
- Sec. 1641. Matters pertaining to the SharkSeer cybersecurity program.
- Sec. 1642. Active defense against the Russian Federation, People's Republic of China, Democratic People's Republic of Korea, and Islamic Republic of Iran attacks in cyberspace.
- Sec. 1643. Designation of official for matters relating to integrating cybersecurity and industrial control systems within the Department of Defense.
- Sec. 1644. Assistance for small manufacturers in the defense industrial supply chain and universities on matters relating to cybersecurity.
- Sec. 1645. Email and Internet website security and authentication.
- Sec. 1646. Security product integration framework.
- Sec. 1647. Information security continuous monitoring and cybersecurity scorecard.
- Sec. 1648. Tier 1 exercise of support to civil authorities for a cyber incident.
- Sec. 1649. Pilot program on modeling and simulation in support of military homeland defense operations in connection with cyber attacks on critical infrastructure.
- Sec. 1650. Pilot program authority to enhance cybersecurity and resiliency of critical infrastructure.
- Sec. 1651. Pilot program on regional cybersecurity training center for the Army National Guard.
- Sec. 1652. Cyberspace Solarium Commission.
- Sec. 1653. Study and report on reserve component cyber civil support teams.
- Sec. 1654. Identification of countries of concern regarding cybersecurity.
- Sec. 1655. Mitigation of risks to national security posed by providers of information technology products and services who have obligations to foreign governments.
- Sec. 1656. Report on Cybersecurity Apprentice Program.
- Sec. 1657. Report on enhancement of software security for critical systems.

#### Subtitle D—Nuclear Forces

- Sec. 1661. Under Secretary of Defense for Research and Engineering and the Nuclear Weapons Council.
- Sec. 1662. Long-range standoff weapon requirements.
- Sec. 1663. Acceleration of ground-based strategic deterrent program and long-range standoff weapon program.
- Sec. 1664. Procurement authority for certain parts of intercontinental ballistic missile fuzes.
- Sec. 1665. Prohibition on reduction of the intercontinental ballistic missiles of the United States.
- Sec. 1666. Extension of prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile.
- Sec. 1667. Exchange program for nuclear weapons program employees.
- Sec. 1668. Plan to train officers in nuclear command, control, and communications.
- Sec. 1669. Independent study on options to increase Presidential decision-time regarding nuclear weapons employment.

- Sec. 1670. Extension of annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.
- Sec. 1671. Plan for alignment of acquisition of warhead life extension programs and delivery vehicles for such warheads.
- Sec. 1672. Annual report on development of long-range stand-off weapon.
- Sec. 1673. Sense of Congress on nuclear posture of the United States.

#### Subtitle E—Missile Defense Programs

- Sec. 1675. Development of persistent space-based sensor architecture.
- Sec. 1676. Boost phase ballistic missile defense.
- Sec. 1677. Extension of requirement for reports on unfunded priorities of Missile Defense Agency.
- Sec. 1678. Extension of prohibition relating to missile defense information and systems.
- Sec. 1679. Modification of requirement relating to transition of ballistic missile defense programs to military departments.
- Sec. 1680. Modification of requirement to develop a space-based ballistic missile intercept layer.
- Sec. 1681. Improvements to acquisition processes of Missile Defense Agency.
- Sec. 1682. Layered defense of the United States homeland.
- Sec. 1683. Testing of redesigned kill vehicle prior to production and ground-based midcourse defense acceleration options.
- Sec. 1684. Requirements for ballistic missile defense capable ships.
- Sec. 1685. Multiyear procurement authority for standard missile–3 IB guided missiles.
- Sec. 1686. Limitation on availability of funds for Army lower tier air and missile defense sensor.
- Sec. 1687. Missile defense radar in Hawaii.
- Sec. 1688. Iron Dome short-range rocket defense system and Israeli cooperative missile defense program co-development and co-production.
- Sec. 1689. Acceleration of hypersonic missile defense program.
- Sec. 1690. Report on ballistic missile defense.
- Sec. 1691. Sense of Congress on allied partnerships for missile defense.
- Sec. 1692. Sense of Congress on testing by Missile Defense Agency.

#### Subtitle F—Other Matters

- Sec. 1695. Extension of Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Similar Events.
- Sec. 1696. Procurement of ammonium perchlorate and other chemicals for use in solid rocket motors.
- Sec. 1697. Budget exhibit on support provided to entities outside Department of Defense.
- Sec. 1698. Conventional prompt global strike hypersonic capabilities.
- Sec. 1699. Report regarding industrial base for large solid rocket motors.

1           **Subtitle A—Space Activities**

2   **SEC. 1601. IMPROVEMENTS TO ACQUISITION SYSTEM, PER-**  
3                   **SONNEL, AND ORGANIZATION OF SPACE**  
4                   **FORCES.**

5           (a) ESTABLISHMENT OF SUBORDINATE UNIFIED  
6   COMMAND.—

7           (1) IN GENERAL.—Chapter 6 of title 10, United  
8           States Code, is amended by adding at the end the  
9           following new section:

10   **“§ 169. Subordinate unified command of the United**  
11                   **States Strategic Command**

12           “(a) ESTABLISHMENT.—With the advice and assist-  
13           ance of the Chairman of the Joint Chiefs of Staff, the  
14           President, through the Secretary of Defense, shall estab-  
15           lish under the United States Strategic Command a subor-  
16           dinate unified command to be known as the United States  
17           Space Command (in this section referred to as ‘space com-  
18           mand’) for carrying out joint space warfighting oper-  
19           ations.

20           “(b) ASSIGNMENT OF FORCES.—Unless otherwise di-  
21           rected by the Secretary of Defense, all active and reserve  
22           space warfighting operational forces of the armed forces  
23           shall be assigned to the space command.

24           “(c) COMMANDER.—(1) The commander of the space  
25           command shall hold the grade of general or, in the case

1 of an officer of the Navy, admiral while serving in that  
2 position, without vacating the permanent grade of the offi-  
3 cer. The commander shall be appointed to that grade by  
4 the President, by and with the advice and consent of the  
5 Senate, for service in that position. The position shall be  
6 designated, pursuant to subsection (b) of section 526 of  
7 this title, as one of the general officer and flag officer posi-  
8 tions to be excluded from the limitations in subsection (a)  
9 of such section.

10 “(2) During the three-year period following the date  
11 on which the space command is established, the com-  
12 mander of the Air Force Space Command may also serve  
13 as the commander of the space command so established.  
14 After such period, one individual may not concurrently  
15 serve as both such commanders.

16 “(d) AUTHORITY OF COMMANDER.—(1) Subject to  
17 the authority, direction, and control of the commander of  
18 the United States Strategic Command, the commander of  
19 the space command shall be responsible for, and shall have  
20 the authority to conduct, all affairs of such command re-  
21 lating to joint space warfighting operations.

22 “(2)(A) Subject to the authority, direction, and con-  
23 trol of the Deputy Secretary of Defense, the commander  
24 of the space command shall be responsible for, and shall  
25 have the authority to conduct, the following functions re-

1 relating to joint space warfighting operations (whether or  
2 not relating to the space command):

3           “(i) Developing strategy, doctrine, and tactics.

4           “(ii) Preparing and submitting to the Secretary  
5 of Defense program recommendations and budget  
6 proposals for space operations forces and for other  
7 forces assigned to the space command.

8           “(iii) Exercising authority, direction, and con-  
9 trol over the expenditure of funds for forces assigned  
10 directly to the space command.

11           “(iv) Training and certification of assigned  
12 joint forces.

13           “(v) Conducting specialized courses of instruc-  
14 tion for commissioned and noncommissioned officers.

15           “(vi) Validating requirements.

16           “(vii) Establishing priorities for requirements.

17           “(viii) Ensuring the interoperability of equip-  
18 ment and forces.

19           “(ix) Formulating and submitting requirements  
20 for intelligence support.

21           “(x) Monitoring the promotion of space oper-  
22 ation forces and coordinating with the military de-  
23 partments regarding the assignment, retention,  
24 training, professional military education, and special  
25 and incentive pays of space operation forces.

1           “(B) The authority, direction, and control exercised  
2 by the Deputy Secretary of Defense for purposes of this  
3 paragraph is authority, direction, and control with respect  
4 to the administration and support of the space command,  
5 including readiness and organization of space operations  
6 forces, space operations-peculiar equipment and resources,  
7 and civilian personnel.

8           “(C) Nothing in this paragraph shall be construed as  
9 providing the Deputy Secretary of Defense authority, di-  
10 rection, and control of operational matters that are subject  
11 to the operational chain of command of the combatant  
12 commands or the exercise of authority, direction, and con-  
13 trol of personnel, resources, equipment, and other matters  
14 that are not space-operations peculiar and that are in the  
15 purview of the armed forces.

16           “(3) The commander of the space command shall be  
17 responsible for—

18                   “(A) ensuring the combat readiness of forces  
19 assigned to the space command; and

20                   “(B) monitoring the preparedness to carry out  
21 assigned missions of space forces assigned to unified  
22 combatant commands other than the United States  
23 Strategic Command.

24           “(4) The staff of the commander shall include an in-  
25 spector general who shall conduct internal audits and in-

1 inspections of purchasing and contracting actions through  
2 the space command and such other inspector general func-  
3 tions as may be assigned.

4 “(e) INTELLIGENCE AND SPECIAL ACTIVITIES.—This  
5 section does not constitute authority to conduct any activ-  
6 ity which, if carried out as an intelligence activity by the  
7 Department of Defense, would require a notice to the Se-  
8 lect Committee on Intelligence of the Senate and the Per-  
9 manent Select Committee on Intelligence of the House of  
10 Representatives under title V of the National Security Act  
11 of 1947 (50 U.S.C. 3091 et seq.).”.

12 (2) CLERICAL AMENDMENT.—The table of sec-  
13 tions at the beginning of such chapter is amended  
14 by inserting after the item relating to section 167b  
15 the following new item:

“169. Subordinate unified command of the United States Strategic Command”.

16 (3) BRIEFING.—The Secretary of the Air Force  
17 shall provide the Committees on Armed Services of  
18 the House of Representatives and the Senate a brief-  
19 ing on the need to develop additional recruitment  
20 measures or Reserve Officer Training Corps pro-  
21 grams relating to space career fields.

22 (b) PLAN FOR ACQUISITION SYSTEM.—

23 (1) DEVELOPMENT.—The Deputy Secretary of  
24 Defense shall develop a plan to establish a separate,  
25 alternative acquisition system for defense space ac-

1       quisitions, including with respect to procuring space  
2       vehicles, ground segments relating to such vehicles,  
3       and satellite terminals.

4           (2) REQUIREMENTS PROCESS.—The plan devel-  
5       oped under paragraph (1) shall include recommenda-  
6       tions of the Deputy Secretary with respect to wheth-  
7       er the separate, alternative acquisition system de-  
8       scribed in the plan should use the Joint Capabilities  
9       Integration and Development System process or in-  
10      stead use a new requirements process developed by  
11      the Deputy Secretary in a manner that ensures that  
12      requirements for a program are synchronized across  
13      the space vehicles, ground segments relating to such  
14      vehicles, and satellite terminals, of the program.

15          (3) EXCEPTION.—The plan developed under  
16      paragraph (1) shall cover defense space acquisitions  
17      except with respect to the National Reconnaissance  
18      Office and other elements of the Department of De-  
19      fense that are elements of the intelligence commu-  
20      nity (as defined in section 3 of the National Security  
21      Act of 1947 (50 U.S.C. 3003)).

22          (4) SUBMISSION.—Not later than December 31,  
23      2019, the Deputy Secretary shall submit to the con-  
24      gressional defense committees a report containing  
25      the plan developed under paragraph (1).

1 (c) PLAN FOR CADRE DEVELOPMENT.—

2 (1) DEVELOPMENT.—The Secretary of the Air  
3 Force shall develop a plan to increase the number  
4 and improve the quality of the space cadre of the Air  
5 Force.

6 (2) MATTERS INCLUDED.—The plan developed  
7 under paragraph (1) shall address the following:

8 (A) Managing the career progression of  
9 members of the Armed Forces and civilian em-  
10 ployees of the Department who form the space  
11 cadre of the Air Force throughout the military  
12 or civilian career of the member or the em-  
13 ployee, as the case may be, including with re-  
14 spect to—

15 (i) defining career professional mile-  
16 stones;

17 (ii) pay and incentive structures;

18 (iii) the management and oversight of  
19 the space cadre;

20 (iv) training relating to planning and  
21 executing warfighting missions and oper-  
22 ations in space;

23 (v) conducting periodic cadre-wide  
24 professional assessments to determine how  
25 the cadre is developing as a group; and

1 (vi) establishing a centralized method  
2 to control personnel assignments and dis-  
3 tribution.

4 (B) The identification of future space-re-  
5 lated career fields that the Secretary determines  
6 appropriate, including a space acquisition ca-  
7 reer field.

8 (C) The identification of any overlap that  
9 exists among operations and acquisitions career  
10 fields to determine opportunities for cross-func-  
11 tional career opportunities.

12 (3) SUBMISSION.—Not later than March 1,  
13 2019, the Secretary shall submit to the congres-  
14 sional defense committees a report containing the  
15 plan developed under paragraph (1).

16 **SEC. 1602. MODIFICATIONS TO SPACE RAPID CAPABILITIES**  
17 **OFFICE.**

18 Section 2273a of title 10, United States Code, is  
19 amended to read as follows:

20 **“§ 2273a. Space Rapid Capabilities Office**

21 “(a) IN GENERAL.—There is within the Air Force  
22 Space Command a program office known as the Space  
23 Rapid Capabilities Office (in this section referred to as  
24 the ‘Office’). The facilities of the Office may not be co-

1 located with the headquarters facilities of the Air Force  
2 Space and Missile Systems Center.

3 “(b) HEAD OF OFFICE.—The head of the Office shall  
4 be the designee of the Secretary of the Air Force. The  
5 head of the Office shall report to the Commander of the  
6 Air Force Space Command.

7 “(c) MISSION.—The mission of the Office shall be—

8 “(1) to contribute to the development of low-  
9 cost, rapid reaction payloads, busses, launch, and  
10 launch control capabilities in order to fulfill joint  
11 military operational requirements for on-demand  
12 space support and reconstitution;

13 “(2) to coordinate and execute space rapid ca-  
14 pabilities efforts across the Department of Defense  
15 with respect to planning, acquisition, and operations;  
16 and

17 “(3) to rapidly develop and field new classified  
18 space capabilities.

19 “(d) ACQUISITION AUTHORITY.—The acquisition ac-  
20 tivities of the Office shall be subject to the following:

21 “(1) The Secretary of the Air Force shall des-  
22 ignate the acquisition executive of the Office who  
23 shall provide streamlined acquisition authorities for  
24 projects of the Office.

1           “(2) The Joint Capabilities Integration and De-  
2           velopment System process shall not apply to acquisi-  
3           tions by the Office.

4           “(3) The Commander of the United States  
5           Strategic Command, acting through the United  
6           States Space Command, shall—

7                   “(A) establish and validate capability re-  
8                   quirements; and

9                   “(B) recommend priorities as the Com-  
10                  mander determines appropriate.

11          “(e) REQUIRED PROGRAM ELEMENT.—(1) The Sec-  
12          retary of the Air Force shall ensure, within budget pro-  
13          gram elements for space programs, that—

14                   “(A) there are separate, dedicated unclas-  
15                   sified and classified program elements for space  
16                   rapid capabilities; and

17                   “(B) the Office executes the responsibil-  
18                   ities of the Office through such program ele-  
19                   ments.

20          “(2) The Office shall manage the program elements  
21          required by paragraph (1).

22          “(f) BOARD OF DIRECTORS.—The Secretary of the  
23          Air Force shall establish for the Office a Board of Direc-  
24          tors (to be known as the ‘Space Rapid Capabilities Board

1 of Directors') to provide coordination, oversight, and ap-  
2 proval of projects of the Office.”.

3 **SEC. 1603. RAPID, RESPONSIVE, AND RELIABLE SPACE**  
4 **LAUNCH.**

5 (a) ASSURED ACCESS TO SPACE.—Section 2273 of  
6 title 10, United States Code, is amended—

7 (1) in subsection (b)—

8 (A) in paragraph (1), by striking “; and”;

9 (B) in paragraph (2), by striking the pe-  
10 riod at the end and inserting “; and”; and

11 (C) by adding at the end the following new  
12 paragraph:

13 “(3) the availability of rapid, responsive, and  
14 reliable space launches for national security space  
15 programs to—

16 “(A) improve the responsiveness and flexi-  
17 bility of a national security space system;

18 “(B) lower the costs of launching a na-  
19 tional security space system; and

20 “(C) maintain risks of mission success at  
21 acceptable levels.”; and

22 (2) in subsection (c), by inserting before the pe-  
23 riod at the end the following: “and the Director of  
24 National Intelligence”.

25 (b) REUSABILITY OF LAUNCH VEHICLES.—

1           (1) DESIGNATION.—Effective March 1, 2019,  
2           the Evolved Expendable Launch Vehicle program of  
3           the Department of Defense shall be known as the  
4           “National Security Space Launch program”. Any  
5           reference in Federal law, regulations, guidance, in-  
6           structions, or other documents of the Federal Gov-  
7           ernment to the Evolved Expendable Launch Vehicle  
8           program shall be deemed to be a reference to the  
9           National Security Space Launch program.

10           (2) REQUIREMENT.—In carrying out the Na-  
11           tional Security Space Launch program, the Sec-  
12           retary of Defense shall provide for consideration of  
13           both reusable and expendable launch vehicles with  
14           respect to any solicitation occurring on or after  
15           March 1, 2019, for which the use of a reusable  
16           launch vehicle is technically capable and maintains  
17           risk at acceptable levels.

18           (3) NOTIFICATION OF SOLICITATIONS FOR NON-  
19           REUSABLE LAUNCH VEHICLES.—Beginning March 1,  
20           2019, if the Secretary proposes to issue a solicita-  
21           tion for a contract for space launch services for  
22           which the use of reusable launch vehicles is not eligi-  
23           ble for the award of the contract, the Secretary shall  
24           notify in writing the appropriate congressional com-  
25           mittees of such proposed solicitation, including jus-

1 tifications for such ineligibility, by not later than 10  
2 days after issuing such solicitation.

3 (c) RISK AND COST IMPACT ANALYSIS.—

4 (1) IN GENERAL.—The Secretary shall conduct  
5 a risk and cost impact analysis with respect to  
6 launch services that use reusable launch vehicles.  
7 Such analysis shall include—

8 (A) an assessment of how the inspection  
9 and certification regime of the Air Force for  
10 previously flown launch vehicles will ensure in-  
11 creased responsiveness and operational flexi-  
12 bility while maintaining acceptable risk; and

13 (B) an assessment of the anticipated cost  
14 savings to the Department of Defense realized  
15 by using a previously flown launch vehicle or  
16 components.

17 (2) SUBMISSION.—Not later than 180 days  
18 after the date of the enactment of this Act, the Sec-  
19 retary shall submit to the appropriate congressional  
20 committees the analysis conducted under paragraph  
21 (1).

22 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
23 DEFINED.—In this section, the term “appropriate con-  
24 gressional committees” means the following:

25 (1) The congressional defense committees.

1           (2) The Permanent Select Committee on Intel-  
2           ligence of the House of Representatives and the Se-  
3           lect Committee on Intelligence of the Senate.

4 **SEC. 1604. PROVISION OF SPACE SITUATIONAL AWARENESS**

5                           **SERVICES AND INFORMATION.**

6           (a) **ROLE OF DEPARTMENT OF DEFENSE.**—Section  
7 2274(a) of title 10, United States Code, is amended—

8                   (1) by striking “The Secretary of Defense may”  
9                   and inserting “(1) Except as provided by paragraph  
10                  (2), the Secretary of Defense may”; and

11                  (2) by adding at the end the following new  
12                  paragraph:

13                  “(2) Beginning January 1, 2024, the Secretary may  
14                  provide space situational awareness services and informa-  
15                  tion to, and may obtain space situational awareness data  
16                  and information from, non-United States Government en-  
17                  tities under paragraph (1) only to the extent that the Sec-  
18                  retary determines such actions are necessary to meet the  
19                  national security interests of the United States.”.

20           (b) **PLAN.**—

21                  (1) **IN GENERAL.**—Not later than 180 days  
22                  after the date of the enactment of this Act, the  
23                  President shall transmit to the appropriate congres-  
24                  sional committees a plan for a department or agency  
25                  of the United States Government other than the De-

1       partment of Defense to provide space situational  
2       awareness services and information to non-United  
3       States Government entities.

4           (2) MATTERS INCLUDED.—The plan under  
5       paragraph (1) shall include the following:

6           (A) An assessment of the existing and  
7       planned staff, budgetary resources, and relevant  
8       institutional expertise of the department or  
9       agency covered by the plan with respect to pro-  
10      viding space situational awareness services and  
11      information.

12          (B) An assessment of the demonstrated  
13      ability of such department or agency to work  
14      collaboratively with industry and academia in  
15      developing best practices or consensus stand-  
16      ards.

17          (C) An assessment of the existing and  
18      planned capacity of such department or agency  
19      to facilitate communication between space ob-  
20      ject operators to avoid a collision.

21          (D) The ability of such department or  
22      agency to use other transaction agreements or  
23      similar transaction mechanisms to support  
24      space traffic management requirements.

1 (E) Any additional authorities that would  
2 be required to assume the responsibility de-  
3 scribed in paragraph (1).

4 (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
5 FINED.—In this section, the term “appropriate congres-  
6 sional committees” means the following:

7 (1) The congressional defense committees.

8 (2) The Committee on Science, Space, and  
9 Technology, the Committee on Transportation and  
10 Infrastructure, the Committee on Energy and Com-  
11 merce, and the Committee on Foreign Affairs of the  
12 House of Representatives.

13 (3) The Committee on Commerce, Science, and  
14 Transportation and the Committee on Foreign Rela-  
15 tions of the Senate.

16 **SEC. 1605. BUDGET ASSESSMENTS FOR NATIONAL SECU-**  
17 **RITY SPACE PROGRAMS.**

18 Section 239(b)(1) of title 10, United States Code, is  
19 amended to read as follows:

20 “(1) Not later than 30 days after the date on which  
21 the President submits to Congress the budget for each of  
22 fiscal years 2017 through 2021, the Secretary of Defense  
23 shall submit to the congressional defense committees a re-  
24 port on the budget for national security space programs  
25 of the Department of Defense. The Secretary may include

1 the report in the defense budget materials if the Secretary  
2 submits such materials to Congress by such date.”.

3 **SEC. 1606. IMPROVEMENTS TO COMMERCIAL SPACE**  
4 **LAUNCH OPERATIONS.**

5 Section 1617 of the National Defense Authorization  
6 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
7 1106; 51 U.S.C. 50918 note) is amended—

8 (1) in subsection (c)—

9 (A) by redesignating paragraphs (2) and  
10 (3) as paragraphs (3) and (4), respectively; and

11 (B) by inserting after paragraph (1) the  
12 following new paragraph (2):

13 “(2) STREAMLINING.—

14 “(A) IN GENERAL.—With respect to any li-  
15 censed activity under chapter 509 of title 51,  
16 United States Code, the Secretary of Defense  
17 may not impose any requirement on a licensee  
18 or transferee that is duplicative of, or overlaps  
19 in intent with, any requirement imposed by the  
20 Secretary of Transportation under that chapter.

21 “(B) WAIVER.—The Secretary of the Air  
22 Force may waive the limitation under subpara-  
23 graph (A) if—

24 “(i) the Secretary determines that im-  
25 posing a requirement described in that

1           subparagraph is necessary to avoid nega-  
2           tive consequences for the national security  
3           space program; and

4                   “(ii) the Secretary notifies the Sec-  
5           retary of Transportation of such deter-  
6           mination before making such waiver.”; and

7           (2) by adding at the end the following new sub-  
8           section:

9           “(d) **RULE OF CONSTRUCTION.**—Nothing in this sec-  
10          tion shall be construed to limit the ability of the Secretary  
11          of Defense to consult with the Secretary of Transportation  
12          with respect to requirements and approvals under chapter  
13          509 of title 51, United States Code.”.

14          **SEC. 1607. SPACE WARFIGHTING POLICY, REVIEW OF**  
15                   **SPACE CAPABILITIES, AND PLAN ON SPACE**  
16                   **WARFIGHTING READINESS.**

17          (a) **SPACE WARFIGHTING POLICY.**—Not later than  
18          March 29, 2019, the Secretary of Defense shall develop  
19          a space warfighting policy.

20          (b) **REVIEW OF SPACE CAPABILITIES.**—

21                   (1) **IN GENERAL.**—The Secretary shall conduct  
22          a review relating to the national security space en-  
23          terprise that evaluates the following:

24                           (A) The resiliency of the national security  
25          space enterprise with respect to a conflict.

1 (B) The ability of the national security  
2 space enterprise to attribute an attack on a  
3 space system in a timely manner.

4 (C) The ability of the United States—  
5 (i) to resolve a conflict in space; and  
6 (ii) to determine the material means  
7 by which such conflict may be resolved.

8 (D) Specific options for the national secu-  
9 rity space enterprise to provide the ability—  
10 (i) to defend against aggressive behav-  
11 ior in space at all levels of conflict;  
12 (ii) to defeat any adversary that dem-  
13 onstrates aggressive behavior in space at  
14 all levels of conflict;  
15 (iii) to deter aggressive behavior in  
16 space at all levels of conflict; and  
17 (iv) to develop a declassification strat-  
18 egy, if required to demonstrate deterrence.

19 (E) The effectiveness and efficiency of the  
20 national security space enterprise to rapidly re-  
21 search, develop, acquire, and deploy space capa-  
22 bilities and capacities—  
23 (i) to deter and defend the national  
24 security space assets of the United States;  
25 and

1 (ii) to respond to any new threat to  
2 such space assets.

3 (F) The roles, responsibilities, and authori-  
4 ties of the Department of Defense with respect  
5 to space control activities.

6 (G) Any emerging space threat the Sec-  
7 retary expects the United States to confront  
8 during the 10-year period beginning on the date  
9 of the enactment of this Act.

10 (H) Such other matters as the Secretary  
11 considers appropriate.

12 (2) REPORT.—

13 (A) IN GENERAL.—Not later than March  
14 29, 2019, the Secretary shall submit to the con-  
15 gressional defense committees a report on the  
16 findings of the review under paragraph (1).

17 (B) FORM.—The report under subpara-  
18 graph (A) shall be submitted in unclassified  
19 form, but may include a classified annex.

20 (c) PLAN ON SPACE WARFIGHTING READINESS.—

21 (1) IN GENERAL.—Not later than March 29,  
22 2019, the Secretary of Defense shall develop, and  
23 commence the implementation of, a plan that—

24 (A) identifies joint mission-essential tasks  
25 for space as a warfighting domain;

1 (B) identifies any additional authorities, or  
2 delegated authorities, that would need to ac-  
3 company the employment of forces to meet such  
4 mission-essential tasks;

5 (C) meets the readiness requirements for  
6 space warfighting, including with respect to  
7 equipment, training, and personnel, to meet  
8 such mission-essential tasks; and

9 (D) considers the contributions by allies  
10 and partners of the United States with respect  
11 to defense space capabilities to increase burden  
12 sharing across space systems, as appropriate.

13 (2) BRIEFING.—Not later than March 29,  
14 2019, the Secretary shall provide to the Committees  
15 on Armed Services of the House of Representatives  
16 and the Senate, and to any other congressional de-  
17 fense committee upon request, a briefing describing  
18 the authorities identified under paragraph (1)(B)  
19 that the Secretary determines require legislative ac-  
20 tion.

21 **SEC. 1608. USE OF SMALL- AND MEDIUM-SIZE BUSES FOR**  
22 **STRATEGIC AND TACTICAL SATELLITE PAY-**  
23 **LOADS.**

24 (a) BRIEFING ON RISKS, BENEFITS, AND COST SAV-  
25 INGS.—

1           (1) BRIEFING.—Not later than 180 days after  
2           the date of the enactment of this Act, the Secretary  
3           of Defense, in coordination with the Director of Na-  
4           tional Intelligence, shall provide to the Committees  
5           on Armed Services of the House of Representatives  
6           and the Senate, and to any other appropriate con-  
7           gressional committee upon request, a briefing on the  
8           risks, benefits, and cost savings with respect to  
9           using small- and medium-size buses for strategic and  
10          tactical satellite payloads for protected satellite com-  
11          munications programs and next-generation overhead  
12          persistent infrared systems.

13          (2) MATTERS INCLUDED.—The briefing pro-  
14          vided under paragraph (1) shall address the fol-  
15          lowing:

16                (A) Increasing component and subcompo-  
17                nent commonality for power regulation, solar  
18                arrays, battery technology, thermal control, and  
19                avionics.

20                (B) The security of the supply chain, in-  
21                cluding a strategy to mitigate risk in such sup-  
22                ply chain.

23                (C) Requirements for radiation hardening  
24                of critical components.

25          (b) ANALYSES OF ALTERNATIVES.—

1           (1) CERTIFICATIONS.—Upon the completion of  
2 each analysis of alternatives of new space vehicles  
3 relating to a program described in paragraph (2),  
4 the Director for Cost Assessment and Program  
5 Evaluation shall certify to the appropriate congress-  
6 sional committees that the analysis—

7           (A) includes materiel solutions for using  
8 small- and medium-size buses; and

9           (B) considers the relevant operational ben-  
10 efits and potential cost savings of using small-  
11 , medium-, and large-size buses.

12          (2) PROGRAMS DESCRIBED.—The programs de-  
13 scribed in this paragraph are the programs of the  
14 Department of Defense relating to any of the fol-  
15 lowing:

16           (A) Protected satellite communications.

17           (B) Next-generation overhead persistent  
18 infrared systems.

19           (C) Space-based environmental monitoring.

20          (c) BRIEFING ON ALTERNATIVE SPACE-BASED AR-  
21 CHITECTURES.—Not later than 240 days after the date  
22 of the enactment of this Act, the Secretary of Defense,  
23 the Secretary of the Air Force, and the Chairman of the  
24 Joint Chiefs of Staff shall jointly provide to the Commit-  
25 tees on Armed Services of the House of Representatives

1 and the Senate, and to any other appropriate congres-  
2 sional committee upon request, a briefing on alternative  
3 space-based architectures for the programs described in  
4 subsection (b)(2) using small-, medium-, and large-size  
5 buses.

6 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
7 DEFINED.—In this section, the term “appropriate con-  
8 gressional committees” means the following:

9 (1) The congressional defense committees.

10 (2) The Permanent Select Committee on Intel-  
11 ligence of the House of Representatives and the Se-  
12 lect Committee on Intelligence of the Senate.

13 **SEC. 1609. ENHANCEMENT OF POSITIONING, NAVIGATION,**  
14 **AND TIMING CAPACITY.**

15 (a) CAPABILITY FOR TRUSTED SIGNALS.—

16 (1) REQUIREMENT.—Except as provided by  
17 paragraph (2), subject to appropriate mitigation ef-  
18 forts, the Secretary of the Air Force shall ensure  
19 that military Global Positioning System user equip-  
20 ment terminals have the capability to receive trusted  
21 signals from the Galileo satellites of the European  
22 Union and the QZSS satellites of Japan, beginning  
23 with increment 2 of the acquisition of such termi-  
24 nals.

1           (2) WAIVER.—The Secretary of Defense may  
2           waive, on a case-by-case basis, the requirement  
3           under paragraph (1) for military Global Positioning  
4           System user equipment terminals to have the capa-  
5           bility described in such paragraph if the Secretary  
6           submits to the congressional defense committees a  
7           report containing—

8                   (A) the rationale for why the Secretary  
9                   could not integrate such capability beginning  
10                  with increment 2 of the acquisition of such ter-  
11                  minals; and

12                  (B) a plan, including a timeline, to incor-  
13                  porate such capability in future increments of  
14                  such terminals.

15           (3) LIMITATION ON DELEGATION.—The Sec-  
16           retary of Defense may not delegate the authority  
17           under paragraph (2) to make a waiver below the  
18           Deputy Secretary of Defense.

19           (b) CAPABILITY FOR OTHER SIGNALS.—The Sec-  
20           retary of the Air Force shall ensure that military Global  
21           Positioning System user equipment terminals having the  
22           capability to receive non-allied positioning, navigation, and  
23           timing signals, beginning with increment 2 of the acquisi-  
24           tion of such terminals, if the Secretary of Defense, in con-

1 sultation with the Commander of the United States Stra-  
2 tegic Command, determines that—

3 (1) the benefits of receiving such signals out-  
4 weigh the risks; or

5 (2) such risks can be appropriately mitigated.

6 (c) ENGAGEMENT.—The Secretary of Defense and  
7 the Secretary of State shall jointly engage with relevant  
8 allies of the United States to—

9 (1) enable military Global Positioning System  
10 user equipment terminals to receive the positioning,  
11 navigation, and timing signals of such allies; and

12 (2) negotiate as appropriate other potential  
13 agreements relating to the enhancement of posi-  
14 tioning, navigation, and timing.

15 **SEC. 1610. DESIGNATION OF COMPONENT OF DEPARTMENT**  
16 **OF DEFENSE RESPONSIBLE FOR COORDINA-**  
17 **TION OF MODERNIZATION EFFORTS RELAT-**  
18 **ING TO MILITARY-CODE CAPABLE GPS RE-**  
19 **CEIVER CARDS.**

20 (a) DESIGNATION.—Not later than 30 days after the  
21 date of the enactment of this Act, the Secretary of De-  
22 fense, in coordination with the Secretaries of the military  
23 departments and the heads of Defense Agencies the Sec-  
24 retary determines appropriate, shall designate a compo-  
25 nent of the Office of the Secretary of Defense to be re-

1 sponsible for coordinating common solutions for the M-  
2 code modernization efforts among the military depart-  
3 ments, Defense Agencies, and other appropriate elements  
4 of the Department of Defense.

5 (b) ROLES AND RESPONSIBILITIES.—The roles and  
6 responsibilities of the component selected under subsection

7 (a) shall include the following:

8 (1) Identify the elements of the Department of  
9 Defense and the programs of the Department that  
10 require M-code capable receiver cards and deter-  
11 mine—

12 (A) the number of total receiver cards re-  
13 quired by the Department, including the num-  
14 ber required for each such element and pro-  
15 gram and the military departments;

16 (B) the timeline, by fiscal year, for each  
17 program of the Department conducting M-code  
18 modernization efforts; and

19 (C) the projected cost for each such pro-  
20 gram.

21 (2) Systematically collect integration test data,  
22 lessons learned, and design solutions, and share such  
23 information with other elements of the Department.

24 (3) Identify ways the Department can prevent  
25 duplication in conducting M-code modernization ef-

1       forts, and identify, to the extent practicable, poten-  
2       tial cost savings that could be realized by addressing  
3       such duplication.

4           (4) Coordinate the integration, testing, and pro-  
5       curement of M-code capable receiver cards to ensure  
6       that the Department maximizes the buying power of  
7       the Department, reduces duplication, and saves re-  
8       sources, where possible.

9       (c) SUPPORT.—The Secretary of Defense shall ensure  
10      the military departments, the Defense Agencies, and other  
11      elements of the Department of Defense provide the compo-  
12      nent selected under subsection (a) with the appropriate  
13      support and resources needed to perform the roles and re-  
14      sponsibilities under subsection (b).

15      (d) REPORTS.—Not later than March 15, 2019, and  
16      annually thereafter through 2021, the Secretary of De-  
17      fense shall provide to the congressional defense commit-  
18      tees a report on M-code modernization efforts. Each re-  
19      port shall include, with respect to the period covered by  
20      the report, the following:

21           (1) The projected cost and schedule, by fiscal  
22      year, for the Department to acquire M-code capable  
23      receiver cards.

24           (2) The programs of the Department con-  
25      ducting M-code modernization efforts.

1           (3) The number of M-code capable receiver  
2 cards procured by the Department, the number of  
3 such receiver cards yet to be procured, and the per-  
4 centage of the M-code modernization efforts com-  
5 pleted by each program identified under paragraph  
6 (2).

7 (e) DEFINITIONS.—In this section:

8           (1) The term “M-code capable receiver card”  
9 means a Global Positioning System receiver card  
10 that is capable of receiving military code that pro-  
11 vides enhanced positioning, navigation, and timing  
12 capabilities and improved resistance to existing and  
13 emerging threats, such as jamming.

14           (2) The term “M-code modernization efforts”  
15 means the development, integration, testing, and  
16 procurement programs of the Department of De-  
17 fense relating to developing M-code capable receiver  
18 cards.

19 **SEC. 1611. DESIGNATION OF COMPONENT OF DEPARTMENT**  
20 **OF DEFENSE RESPONSIBLE FOR COORDINA-**  
21 **TION OF HOSTED PAYLOAD INFORMATION.**

22           Not later than 30 days after the date of the enact-  
23 ment of this Act, the Secretary of Defense, in coordination  
24 with the Secretary of the Air Force, and other Secretaries  
25 of the military departments and the heads of Defense

1 Agencies the Secretary determines appropriate, shall des-  
2 ignate a component of the Department of Defense or a  
3 military department to be responsible for coordinating in-  
4 formation, processes, and lessons learned relating to using  
5 commercially hosted payloads across the military depart-  
6 ments, Defense Agencies, and other appropriate elements  
7 of the Department of Defense. The functions of such des-  
8 ignated component shall include, at a minimum, the fol-  
9 lowing:

10 (1) Systematically collecting information from  
11 past and planned hosted payload arrangements to  
12 inform future acquisition planning and space system  
13 architecture design, including integration test data,  
14 lessons learned, and design solutions.

15 (2) Creating a centralized database for cost,  
16 technical data, and lessons learned on commercially  
17 hosted payloads and sharing such information with  
18 other elements of the Department.

19 **SEC. 1612. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
20 **JOINT SPACE OPERATIONS CENTER MISSION**  
21 **SYSTEM.**

22 (a) JMS.—Of the funds authorized to be appro-  
23 priated by this Act or otherwise made available for fiscal  
24 year 2019 for the Joint Space Operations Center mission  
25 system, not more than 50 percent may be obligated or ex-

1 pended until the date on which the Secretary of the Air  
2 Force makes the certification under subsection (c).

3 (b) ESBMC2.—Of the funds authorized to be appro-  
4 priated by this Act or otherwise made available for fiscal  
5 year 2019 for service and management applications of the  
6 enterprise space battle management command and con-  
7 trol, not more than 75 percent may be obligated or ex-  
8 pended until the date on which the Secretary of the Air  
9 Force makes the certification under subsection (c).

10 (c) CERTIFICATION.—The Secretary of the Air Force,  
11 without delegation, shall certify to the congressional de-  
12 fense committees that the Secretary has entered into a  
13 contract to operationalize existing, proven, best-in-breed  
14 commercial space situational awareness processing soft-  
15 ware to address warfighter requirements and fill gaps in  
16 current space situational capabilities.

17 **SEC. 1613. EVALUATION AND ENHANCED SECURITY OF SUP-**  
18 **PLY CHAIN FOR PROTECTED SATELLITE**  
19 **COMMUNICATIONS PROGRAMS AND OVER-**  
20 **HEAD PERSISTENT INFRARED SYSTEMS.**

21 (a) EVALUATIONS OF SUPPLY CHAIN  
22 VULNERABILITIES.—

23 (1) IN GENERAL.—Not later than December 31,  
24 2020, and in accordance with the plan under para-  
25 graph (2)(A), the Secretary of Defense, in coordina-

1       tion with the Director of National Intelligence, shall  
2       conduct evaluations of the supply chain  
3       vulnerabilities of each covered program.

4               (2) PLAN.—

5                       (A) DEVELOPMENT.—The Secretary shall  
6       develop a plan to carry out the evaluations  
7       under paragraph (1), including with respect to  
8       the personnel and resources required to carry  
9       out such evaluations.

10                      (B) BRIEFING.—Not later than 180 days  
11       after the date of the enactment of this Act, the  
12       Secretary shall provide to the Committees on  
13       Armed Services of the House of Representatives  
14       and the Senate, and to any other appropriate  
15       congressional committee upon request, a brief-  
16       ing on the plan under subparagraph (A).

17                      (3) WAIVER.—The Secretary may waive, on a  
18       case-by-case basis with respect to a covered pro-  
19       gram, either the requirement to conduct an evalua-  
20       tion under paragraph (1) or the deadline specified in  
21       such paragraph if the Secretary certifies to the con-  
22       gressional defense committees before such date that  
23       all known supply chain vulnerabilities of such cov-  
24       ered program have minimal consequences for the ca-  
25       pability of such covered program to meet operational

1 requirements or otherwise satisfy mission require-  
2 ments.

3 (4) RISK MITIGATION STRATEGIES.—In car-  
4 rying out an evaluation under paragraph (1), the  
5 Secretary shall develop—

6 (A) strategies for mitigating the risks of  
7 supply chain vulnerabilities identified in the  
8 course of such evaluation; and

9 (B) cost estimates for such strategies.

10 (b) PRIORITIZATION OF CERTAIN SUPPLY CHAIN  
11 RISK MANAGEMENT EFFORTS.—

12 (1) INSTRUCTIONS.—Not later than 180 days  
13 after the date of the enactment of this Act, the Sec-  
14 retary shall issue a Department of Defense Instruc-  
15 tion, or update such an Instruction, establishing the  
16 prioritization of supply chain risk management pro-  
17 grams, including supply chain risk management  
18 threat assessment reporting, to ensure that acquisi-  
19 tion and sustainment programs relating to covered  
20 programs receive priority of such supply chain risk  
21 management programs and reporting.

22 (2) REQUIREMENTS.—

23 (A) ESTABLISHMENT.—The Secretary  
24 shall establish requirements to carry out supply  
25 chain risk management threat assessment col-

1           lections and analyses under acquisition and  
2           sustainment programs relating to covered pro-  
3           grams.

4                   (B) BRIEFING.—Not later than 120 days  
5           after the date of the enactment of this Act, the  
6           Secretary shall provide to the Committees on  
7           Armed Services of the House of Representatives  
8           and the Senate, and to any other appropriate  
9           congressional committee upon request, a brief-  
10          ing on the requirements established under sub-  
11          paragraph (A).

12          (c) DEFINITIONS.—In this section:

13                   (1) The term “appropriate congressional com-  
14          mittees” means the following:

15                           (A) The congressional defense committees.

16                           (B) The Permanent Select Committee on  
17          Intelligence of the House of Representatives  
18          and the Select Committee on Intelligence of the  
19          Senate.

20                   (2) The term “covered programs” means pro-  
21          grams of the Department of Defense relating to any  
22          of the following:

23                           (A) Protected satellite communications.

24                           (B) Next-generation overhead persistent  
25          infrared systems.

1 **SEC. 1614. REPORT ON PROTECTED SATELLITE COMMU-**  
2 **NICATIONS.**

3 Not later than December 31, 2018, the Secretary of  
4 Defense shall submit to the congressional defense commit-  
5 tees a report on how each of the following programs will  
6 meet the requirements for resilience, mission assurance,  
7 and the nuclear command, control, and communication  
8 missions of the Department of Defense:

9 (1) The evolved strategic satellite program.

10 (2) The protected tactical service program.

11 (3) The protected tactical enterprise service  
12 program.

13 **SEC. 1615. REPORT ON ENHANCEMENTS TO THE GLOBAL**  
14 **POSITIONING SYSTEM OPERATIONAL CON-**  
15 **TROL SEGMENT.**

16 (a) IN GENERAL.—Not later than one year after the  
17 date of the enactment of this Act, the Secretary of Defense  
18 shall submit to the congressional defense committees a re-  
19 port that identifies whether the current Global Positioning  
20 System Operational Control Segment (in this section re-  
21 ferred to as “OCS”) can be incrementally improved to  
22 achieve capabilities similar to the Next Generation Oper-  
23 ational Control Segment (in this section referred to as  
24 “OCX”) used to operate the Global Positioning System  
25 III.

1 (b) ELEMENTS.—The report required under sub-  
2 section (a) shall include the following elements:

3 (1) A cybersecurity review of both OCS and  
4 OCX to determine the specific cybersecurity im-  
5 provements needed to operate the system through  
6 2030, including—

7 (A) the cybersecurity improvements to  
8 OCS needed to match the cybersecurity capa-  
9 bilities that OCX is intended to provide;

10 (B) any additional OCS cybersecurity pro-  
11 tections needed beyond those OCX is intended  
12 to provide; and

13 (C) any additional OCX cybersecurity pro-  
14 tections needed beyond those for which OCX is  
15 currently contracted.

16 (2) An incremental development plan for OCS,  
17 including—

18 (A) the number of additional incremental  
19 upgrades needed to achieve capabilities similar  
20 to OCX, including a discussion of—

21 (i) any additional capabilities needed;

22 (ii) the specific capabilities in each  
23 upgrade;

24 (iii) the duration of each upgrade; and

1 (iv) a full schedule to complete all up-  
2 grades;

3 (B) the estimated cost for each incre-  
4 mental OCS upgrade; and

5 (C) the total estimated cost across fiscal  
6 years for all OCS upgrades to achieve capabili-  
7 ties similar to OCX and any additional capabili-  
8 ties.

9 (3) The date by which the Department of De-  
10 fense would have to begin contracting for each incre-  
11 mental OCS upgrade to ensure availability of OCS  
12 for the Global Positioning System III.

13 (4) A comparison of current improvements to  
14 OCS that are underway, and additional OCS incre-  
15 mental improvements described under paragraph  
16 (2), to the program of record OCX capabilities, in-  
17 cluding—

18 (A) the acquisition and sustainment cost  
19 by fiscal year through fiscal year 2030 for OCS  
20 and OCX;

21 (B) a comparison schedule between OCS  
22 (including incremental improvements described  
23 under paragraph (2)) and OCX that identifies  
24 the delivery dates and capability delivered; and

1 (C) the cost and schedule required to pro-  
2 vide OCX with any additional needed capabili-  
3 ties that are now required and not currently in  
4 the program of record.

5 **SEC. 1616. REPORT ON PERSISTENT WEATHER IMAGERY**  
6 **FOR UNITED STATES CENTRAL COMMAND.**

7 (a) REPORT.—Not later than March 1, 2019, the  
8 Secretary of the Air Force shall submit to the congres-  
9 sional defense committees a report on options to provide  
10 the United States Central Command with persistent  
11 weather imagery for the area of operations of the Com-  
12 mand beginning not later than January 1, 2026.

13 (b) MATTERS INCLUDED.—The report under sub-  
14 section (a) shall include the following:

15 (1) A description of long-term options for pro-  
16 viding the United States Central Command with  
17 persistent weather imagery for the area of oper-  
18 ations of the Command that—

19 (A) do not rely on data provided by a for-  
20 eign government; and

21 (B) do not include relocating legacy geo-  
22 stationary operational environmental satellites.

23 (2) A description of the costs required to carry  
24 out each option included in the report.

1 **SEC. 1617. STUDY ON SPACE-BASED RADIO FREQUENCY**  
2 **MAPPING.**

3 (a) **STUDY.**—The Secretary of Defense and the Di-  
4 rector of National Intelligence shall jointly conduct a  
5 study on the capabilities of the private sector with respect  
6 to space-based radio frequency mapping and associated  
7 operations and services for space-based electromagnetic  
8 collections. Such study shall address the following:

9 (1) The near-term commercial market offerings  
10 of such operations and services in the United States  
11 and outside the United States.

12 (2) The potential national security benefits to  
13 the United States provided by such operations and  
14 services.

15 (3) The potential national security risks to the  
16 United States posed by such operations and services.

17 (4) The sufficiency of existing legal authorities  
18 available to the Secretary and the Director to ad-  
19 dress such potential risks.

20 (b) **REPORT.**—Not later than 90 days after the date  
21 of the enactment of this Act, the Secretary and the Direc-  
22 tor shall jointly submit to the congressional defense com-  
23 mittees, the Permanent Select Committee on Intelligence  
24 of the House of Representatives, and the Select Committee  
25 on Intelligence of the Senate a report containing the study  
26 under subsection (a).

1 **SEC. 1618. INDEPENDENT STUDY ON SPACE LAUNCH LOCA-**  
2 **TIONS.**

3 (a) INDEPENDENT STUDY.—Not later than 30 days  
4 after the date of the enactment of this Act, the Secretary  
5 of Defense shall seek to enter into a contract with a feder-  
6 ally funded research and development center to conduct  
7 a study on space launch locations, including with respect  
8 to the development and capacity of existing and new loca-  
9 tions. The study shall, at a minimum—

10 (1) identify how additional locations affect the  
11 capability of the Department of Defense to rapidly  
12 reconstitute and improve resilience for defense sat-  
13 ellite system launches;

14 (2) identify the capacities of current and new  
15 space launch locations, in light of the rapid increase  
16 in using commercial space services to support na-  
17 tional security space missions and military require-  
18 ments;

19 (3) identify partnerships within State govern-  
20 ment-owned and operated spaceports that should be  
21 developed to increase launch capacities and enhance  
22 the space resiliency of the United States;

23 (4) provide recommendations on strategic place-  
24 ment for future space launch sites; and

25 (5) identify costs associated with additional lo-  
26 cations and whether such costs should be borne by

1 the Department of Defense, State governments, or  
2 private entities.

3 (b) SUBMISSION TO DOD.—Not later than 240 days  
4 after the date of the enactment of this Act, the federally  
5 funded research and development center shall submit to  
6 the Secretary a report containing the study conducted  
7 under subsection (a).

8 (c) SUBMISSION TO CONGRESS.—Not later than 270  
9 days after the date of the enactment of this Act, the Sec-  
10 retary shall submit to the appropriate congressional com-  
11 mittees the report under subsection (a), without change.

12 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
13 DEFINED.—In this section, the term “appropriate con-  
14 gressional committees” means the following:

15 (1) The congressional defense committees.

16 (2) The Committee on Science, Space, and  
17 Technology and the Committee on Transportation  
18 and Infrastructure of the House of Representatives.

19 (3) The Committee on Commerce, Science, and  
20 Transportation of the Senate.

21 **SEC. 1619. BRIEFING ON COMMERCIAL SATELLITE SERV-**  
22 **ICING CAPABILITIES.**

23 (a) BRIEFING.—Not later than one year after the  
24 date of the enactment of this Act, the Secretary of De-  
25 fense, in consultation with the Director of National Intel-

1 ligence, shall jointly provide the Committees on Armed  
2 Services of the House of Representatives and the Senate,  
3 and to any other appropriate congressional committee  
4 upon request, a briefing detailing the costs, risks, and  
5 operational benefits of leveraging commercial satellite  
6 servicing capabilities for national security satellite sys-  
7 tems.

8 (b) ELEMENTS.—The briefing under subsection (a)  
9 shall include the following:

10 (1) A prioritized list, with rationale, of oper-  
11 ational and planned assets of the Department of De-  
12 fense that could be enhanced by satellite servicing  
13 missions.

14 (2) The costs, risks, and benefits of integrating  
15 satellite servicing capabilities as a part of oper-  
16 ational resilience.

17 (3) Potential strategies that could allow future  
18 national security space systems to leverage commer-  
19 cial on-orbit servicing capabilities where appropriate  
20 and feasible.

21 (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
22 FINED.—In this section, the term “appropriate congres-  
23 sional committee” means—

24 (1) the congressional defense committees;

1           (2) the Committee on Science, Space, and  
2           Technology and the Permanent Select Committee on  
3           Intelligence of the House of Representatives; and

4           (3) the Committee on Commerce, Science, and  
5           Transportation and the Select Committee on Intel-  
6           ligence of the Senate.

7           **Subtitle B—Defense Intelligence**  
8           **and Intelligence-Related Activities**

9           **SEC. 1621. ROLE OF UNDER SECRETARY OF DEFENSE FOR**  
10           **INTELLIGENCE.**

11           Subsection (b) of section 137 of title 10, United  
12           States Code, is amended to read as follows:

13           “(b) Subject to the authority, direction, and control  
14           of the Secretary of Defense, the Under Secretary of De-  
15           fense for Intelligence shall—

16           “(1) have responsibility for the overall direction  
17           and supervision for policy, program planning and  
18           execution, and use of resources, for the activities of  
19           the Department of Defense that are part of the Mili-  
20           tary Intelligence Program;

21           “(2) execute the functions for the National In-  
22           telligence Program of the Department of Defense  
23           under section 105 of the National Security Act of  
24           1947 (50 U.S.C. 3038), as delegated by the Sec-  
25           retary of Defense;

1           “(3) have responsibility for the overall direction  
2           and supervision for policy, program planning and  
3           execution, and use of resources, for personnel secu-  
4           rity, physical security, industrial security, and the  
5           protection of classified information and controlled  
6           unclassified information, related activities of the De-  
7           partment of Defense; and

8           “(4) perform such duties and exercise such  
9           powers as the Secretary of Defense may prescribe in  
10          the area of intelligence.”.

11 **SEC. 1622. SECURITY VETTING FOR FOREIGN NATIONALS.**

12          (a) IN GENERAL.—Chapter 80 of title 10, United  
13 States Code, is amended by inserting after section 1564a  
14 the following new section:

15 **“§ 1564b. Security vetting for foreign nationals**

16          “(a) STANDARDS AND PROCESS.—(1) The Secretary  
17 of Defense, in coordination with the Security Executive  
18 Agent established pursuant to Executive Order 13467 (73  
19 Fed. Reg. 38103; 50 U.S.C. 3161 note), shall develop uni-  
20 form and consistent standards and a centralized process  
21 for the screening and vetting of covered foreign individuals  
22 requiring access to systems, facilities, personnel, informa-  
23 tion, or operations, of the Department of Defense, includ-  
24 ing with respect to the background investigations of cov-

1 ered foreign individuals requiring access to classified infor-  
2 mation.

3 “(2) The Secretary shall ensure that the standards  
4 developed under paragraph (1) are consistent with rel-  
5 evant directives of the Security Executive Agent.

6 “(3) The Secretary shall designate an official of the  
7 Department of Defense to be responsible for executing the  
8 centralized process developed under paragraph (1) and ad-  
9 judicating any information discovered pursuant to such  
10 process.

11 “(b) OTHER USES.—In addition to using the central-  
12 ized process developed under subsection (a)(1) for covered  
13 foreign individuals, the Secretary may use the centralized  
14 process in determining whether to grant a security clear-  
15 ance to any individual with significant foreign influence  
16 or foreign preference issues, in accordance with the adju-  
17 dicative guidelines under part 147 of title 32, Code of Fed-  
18 eral Regulations, or such successor regulation.

19 “(c) COVERED FOREIGN INDIVIDUAL DEFINED.—In  
20 this section, the term ‘covered foreign individual’ means  
21 an individual who meets the following criteria:

22 “(1) The individual is—

23 “(A) a national of a foreign state;

24 “(B) a national of the United States (as  
25 such term is defined in section 101 of the Im-

1 migration and Nationality Act (8 U.S.C. 1101))  
2 and also a national of a foreign state; or

3 “(C) an alien who is lawfully admitted for  
4 permanent residence (as such term is defined in  
5 section 101 of the Immigration and Nationality  
6 Act (8 U.S.C. 1101)).

7 “(2) The individual is either—

8 “(A) a civilian employee of the Department  
9 of Defense or a contractor of the Department;  
10 or

11 “(B) a member of the armed forces.”.

12 (b) CLERICAL AMENDMENT.—The table of sections  
13 at the beginning of such chapter is amended by inserting  
14 after the item relating to section 1564a the following new  
15 item:

“1564b. Security vetting for foreign nationals.”.

16 (c) BRIEFING.—

17 (1) IN GENERAL.—Not later than 180 days  
18 after the date of the enactment of this Act, the Sec-  
19 retary of Defense shall provide to the Committees on  
20 Armed Services of the House of Representatives and  
21 the Senate, and to any other appropriate congres-  
22 sional committee upon request, a briefing on—

23 (A) the process developed under paragraph  
24 (1) of section 1564b(a) of title 10, United  
25 States Code, as added by subsection (a); and

1 (B) the official designated under para-  
2 graph (3) of such section 1564b(a).

3 (2) APPROPRIATE CONGRESSIONAL COMMIT-  
4 TEES DEFINED.—In this subsection, the term “ap-  
5 propriate congressional committees” means the fol-  
6 lowing:

7 (A) The Committees on Armed Services of  
8 the House of Representatives and the Senate.

9 (B) The Permanent Select Committee on  
10 Intelligence of the House of Representatives  
11 and the Select Committee on Intelligence of the  
12 Senate.

13 **SEC. 1623. DEPARTMENT OF DEFENSE COUNTERINTEL-**  
14 **LIGENCE POLYGRAPH PROGRAM.**

15 (a) ADDITION OF DUAL-NATIONALS.—Subsection (b)  
16 of section 1564a of title 10, United States Code, is amend-  
17 ed to read as follows:

18 “(b) PERSONS COVERED.—Except as provided in  
19 subsection (d), the following persons are subject to this  
20 section:

21 “(1) With respect to persons whose duties are  
22 described in subsection (c)—

23 “(A) military and civilian personnel of the  
24 Department of Defense;

25 “(B) personnel of defense contractors;

1           “(C) persons assigned or detailed to the  
2           Department of Defense; and

3           “(D) applicants for a position in the De-  
4           partment of Defense.

5           “(2) A person who is—

6           “(A) a national of the United States (as  
7           such term is defined in section 101 of the Im-  
8           migration and Nationality Act (8 U.S.C. 1101))  
9           and also a national of a foreign state; and

10          “(B) either—

11           “(i) a civilian employee or contractor  
12           who requires access to classified informa-  
13           tion; or

14           “(ii) a member of the armed forces  
15           who requires access to classified informa-  
16           tion.”.

17          (b) STANDARDS FOR DUAL-NATIONALS.—Subsection  
18 (e)(2) of such section is amended by adding at the end  
19 the following new subparagraph:

20           “(D) With respect to persons described in sub-  
21           section (b)(2), to assist in assessing any counter-  
22           intelligence threats identified in an authorized inves-  
23           tigation of foreign preference or foreign influence  
24           risks, as described in part 147 of title 32, Code of  
25           Federal Regulations, or such successor regulations.”.

1 (c) CONFORMING AMENDMENTS.—Such section is  
2 further amended—

3 (1) in subsection (c), by striking “in subsection  
4 (b)” and inserting “in subsection (b)(1)”; and

5 (2) in subsection (e)(2)(A), by striking “in sub-  
6 sections (b)” and inserting “in subsections (b)(1)”.

7 (d) RULE OF CONSTRUCTION.—Nothing in section  
8 1564a of title 10, United States Code, as amended by this  
9 section, shall be construed to prohibit the granting of a  
10 security clearance to persons described in subsection  
11 (b)(2) of such section absent information relevant to the  
12 adjudication process, as described in part 147 of title 32,  
13 Code of Federal Regulations, or such successor regula-  
14 tions.

15 **SEC. 1624. DEFENSE INTELLIGENCE BUSINESS MANAGE-**  
16 **MENT SYSTEMS.**

17 (a) STANDARDIZED BUSINESS PROCESS RULES.—

18 (1) DEVELOPMENT.—Not later than October 1,  
19 2020, the Chief Management Officer of the Depart-  
20 ment of Defense, in coordination with the Under  
21 Secretary of Defense (Comptroller) and the Under  
22 Secretary of Defense for Intelligence, shall develop  
23 and implement standardized business process rules  
24 for the planning, programming, budgeting, and exe-  
25 cution process for the Military Intelligence Program.

1           (2) TREATMENT OF DATA.—The Chief Manage-  
2           ment Officer shall develop the standardized business  
3           process rules under paragraph (1) in accordance  
4           with section 911 of the National Defense Authoriza-  
5           tion Act for Fiscal Year 2018 (Public Law 115–91;  
6           131 Stat. 1519; 10 U.S.C. 2222 note) and section  
7           2222(e)(6) of title 10, United States Code.

8           (3) USE OF EXISTING SYSTEMS.—In developing  
9           the standardized business process rules under para-  
10          graph (1), to the extent practicable, the Chief Man-  
11          agement Officer shall use enterprise business sys-  
12          tems of the Department of Defense in existence as  
13          of the date of the enactment of this Act.

14          (4) REPORT.—Not later than March 1, 2019,  
15          the Chief Management Officer of the Department of  
16          Defense, the Under Secretary of Defense (Comp-  
17          troller), and the Under Secretary of Defense for In-  
18          telligence shall jointly submit to the appropriate con-  
19          gressional committees a report containing a plan to  
20          develop the standardized business process rules  
21          under paragraph (1).

22          (5) APPROPRIATE CONGRESSIONAL COMMIT-  
23          TEES.—In this subsection, the term “appropriate  
24          congressional committees” means the following:

25                (A) The congressional defense committees.

1 (B) The Permanent Select Committee on  
2 Intelligence of the House of Representatives  
3 and the Select Committee on Intelligence of the  
4 Senate.

5 (b) PROGRAM ELEMENTS.—

6 (1) IN GENERAL.—Chapter 9 of title 10, United  
7 States Code, is amended by adding at the end the  
8 following new section:

9 **“§ 239b. Certain intelligence-related programs: budg-**  
10 **et justification materials**

11 “(a) PROHIBITION ON USE OF PROGRAM ELE-  
12 MENTS.—In the budget justification materials submitted  
13 to Congress in support of the Department of Defense  
14 budget for fiscal year 2021 and each fiscal year thereafter  
15 (as submitted with the budget of the President under sec-  
16 tion 1105(a) of title 31), the Secretary of Defense may  
17 not include in any single program element both funds  
18 made available under the Military Intelligence Program  
19 and funds made available outside of the Military Intel-  
20 ligence Program.

21 “(b) DEFINITIONS.—In this section:

22 “(1) The term ‘budget’ has the meaning given  
23 that term in section 231(f) of this title.

1           “(2) The term ‘defense budget materials’ has  
2           the meaning given that term in section 231(f) of this  
3           title.”.

4           (2) CLERICAL AMENDMENT.—The table of sec-  
5           tions at the beginning of such chapter is amended  
6           by inserting after the item relating to section 239a  
7           the following new item:

          “239b. Certain intelligence-related programs: budget justification materials.”.

8   **SEC. 1625. MODIFICATION TO ANNUAL BRIEFING ON THE**  
9                           **INTELLIGENCE, SURVEILLANCE, AND RECON-**  
10                          **NAISSANCE REQUIREMENTS OF THE COM-**  
11                          **BATANT COMMANDS.**

12           (a) IN GENERAL.—Section 1626 of the Carl Levin  
13           and Howard P. “Buck” McKeon National Defense Au-  
14           thorization Act for Fiscal Year 2015 (Public Law 113–  
15           291; 128 Stat. 3635), as amended by section 1624 of the  
16           National Defense Authorization Act for Fiscal Year 2018  
17           (Public Law 115–91; 131 Stat. 1732), is further amend-  
18           ed—

19                   (1) in the matter preceding paragraph (1), by  
20                   striking “2020” and inserting “2025”; and

21                   (2) in paragraph (1)—

22                           (A) in subparagraph (B), by striking “;  
23                           and” and inserting a semicolon; and

24                           (B) by adding at the end the following new  
25                           subparagraph:

1           “(D) for the year preceding the year in which  
2 the briefing is provided—

3           “(i) the number of hours or amount of ca-  
4 pacity of intelligence, surveillance, and recon-  
5 naissance requested by each commander of a  
6 combatant command, by specific intelligence ca-  
7 pability type;

8           “(ii) the number of such requests identified  
9 under clause (i) that the Joint Chiefs of Staff  
10 determined to be a validated requirement, in-  
11 cluding the number of hours or amount of ca-  
12 pacity of such requests that were provided to  
13 each such commander; and

14           “(iii) with respect to such validated re-  
15 quirements, the number of hours or amount of  
16 capacity of intelligence, surveillance, and recon-  
17 naissance, by specific intelligence capability  
18 type, that the Joint Chiefs of Staff requested  
19 each military department to provide, and the  
20 number of such hours or the amount of such  
21 capacity so provided by each such military de-  
22 partment; and”.

23           (b) CODIFICATION.—Such section 1626, as amended  
24 by subsection (a), is—

1 (1) transferred to chapter 21 of title 10, United  
2 States Code; and

3 (2) redesignated as subsection (c) of section  
4 426 of such title.

5 **SEC. 1626. FRAMEWORK ON GOVERNANCE, MISSION MAN-**  
6 **AGEMENT, RESOURCING, AND EFFECTIVE**  
7 **OVERSIGHT OF COMBAT SUPPORT AGENCIES**  
8 **THAT ARE ALSO ELEMENTS OF THE INTEL-**  
9 **LIGENCE COMMUNITY.**

10 (a) FRAMEWORK REQUIRED.—

11 (1) IN GENERAL.—In accordance with section  
12 105 of the National Security Act of 1947 (50 U.S.C.  
13 3038), section 193 of title 10, United States Code,  
14 and section 1018 of the National Security Intel-  
15 ligence Reform Act of 2004 (Public Law 108–458;  
16 50 U.S.C. 3023 note), the Secretary of Defense, in  
17 coordination with the Director of National Intel-  
18 ligence, shall develop and establish in policy a frame-  
19 work and supporting processes within the Depart-  
20 ment of Defense to help ensure that the missions,  
21 roles, and functions of the combat support agencies  
22 of the Department of Defense that are also elements  
23 of the intelligence community, and other intelligence  
24 components of the Department, are appropriately  
25 balanced and resourced.

1           (2) SCOPE.—The framework shall include a  
2 consistent, repeatable process for the evaluation of  
3 proposed additions, transfers, or eliminations of a  
4 mission, role, or functions and associated resource  
5 profiles of the elements described in paragraph (1)  
6 for purposes of preventing imbalances in priorities,  
7 insufficient or misaligned resources, and the unau-  
8 thorized expansion of mission parameters.

9           (b) ELEMENTS.—The framework required by sub-  
10 section (a) shall include the following:

11           (1) A lexicon of relevant terms used by the De-  
12 partment of Defense and the Office of the Director  
13 of National Intelligence that—

14                   (A) ensures consistent definitions are used  
15 in determinations about the balance described  
16 in subsection (a)(1); and

17                   (B) reconciles jointly used definitions.

18           (2) A reevaluation of the intelligence compo-  
19 nents of the Department, including the Joint Intel-  
20 ligence Centers and Joint Intelligence Operations  
21 Centers within the combatant commands, in order to  
22 determine which components should be formally des-  
23 ignated as part of the intelligence community and  
24 any components not so designated conform to rel-  
25 evant tradecraft standards.

1           (3) A repeatable process of the Department for  
2           evaluating the addition, transfer, or elimination of  
3           defense intelligence missions, roles, and functions,  
4           currently or to be performed by elements described  
5           in subsection (a)(1) that includes—

6                   (A) a justification for any proposed addi-  
7                   tion, transfer, or elimination of a mission, role,  
8                   or function;

9                   (B) the identification of the elements in  
10                  the Federal Government, if any, that currently  
11                  perform the mission, role, or function con-  
12                  cerned;

13                  (C) for any proposed addition of a mission,  
14                  role, or function, an assessment of the most ap-  
15                  propriate element of the Department to assume  
16                  it, taking into account current resource profiles,  
17                  scope of existing responsibilities, primary cus-  
18                  tomers, and infrastructure necessary to support  
19                  the addition; and

20                  (D) for any proposed addition or transfer  
21                  of a mission, role, or function—

22                           (i) a determination of the appropriate  
23                           resource profile for such mission, role, or  
24                           function; and

1                   (ii) the identification, in writing, for  
2                   the Department elements concerned of the  
3                   resources anticipated to be needed and  
4                   source of such resources during the period  
5                   covered by the future-years defense pro-  
6                   gram submitted to Congress under section  
7                   221 of title 10, United States Code, as in  
8                   effect at the time of the proposed addition  
9                   or transfer.

10           (c) BRIEFING.—Not later than 180 days after the  
11           date of the enactment of this Act, the Secretary, in coordi-  
12           nation with the Director, shall provide to the Committees  
13           on Armed Services of the House of Representatives and  
14           the Senate, and to any other appropriate congressional  
15           committee upon request, a briefing on the framework re-  
16           quired by subsection (a).

17           (d) POLICY.—Not later than 270 days after the date  
18           of the enactment of this Act, the Secretary, in coordina-  
19           tion with the Director, shall submit to the appropriate con-  
20           gressional committees a report setting forth the policy es-  
21           tablishing the framework required by subsection (a).

22           (e) DEFINITIONS.—In this section:

23                   (1) The term “appropriate congressional com-  
24                   mittees” means—

1 (A) the Committee on Armed Services, the  
2 Committee on Appropriations, and the Select  
3 Committee on Intelligence of the Senate; and

4 (B) the Committee on Armed Services, the  
5 Committee on Appropriations, and the Perma-  
6 nent Select Committee on Intelligence of the  
7 House of Representatives.

8 (2) The term “combat support agency” has the  
9 meaning given that term in section 193 of title 10,  
10 United States Code.

11 (3) The term “intelligence community” has the  
12 meaning given that term in section 3(4) of the Na-  
13 tional Security Act of 1947 (50 U.S.C. 3003(4)).

14 **Subtitle C—Cyberspace-Related**  
15 **Matters**

16 **SEC. 1631. REORGANIZATION AND CONSOLIDATION OF CER-**  
17 **TAIN CYBER PROVISIONS.**

18 (a) IN GENERAL.—Part I of subtitle A of title 10,  
19 United States Code, is amended—

20 (1) by transferring sections 130g, 130j, and  
21 130k to chapter 19 of such part to appear after sec-  
22 tion 393 of such chapter; and

23 (2) by redesignating such sections 130g, 130j,  
24 and 130k, as transferred by paragraph (1), as sec-  
25 tions 394, 395, and 396, respectively.

1 (b) CONFORMING AMENDMENT.—Section 108(m) of  
2 the Cybersecurity Information Sharing Act of 2015 (6  
3 U.S.C. 1507(m)) is amended by striking “under section  
4 130g” and inserting “under section 394”.

5 (c) CLERICAL AMENDMENTS.—(1) The table of sec-  
6 tions at the beginning of chapter 3 of title 10, United  
7 States Code, is amended by striking the items relating to  
8 sections 130g, 130j, and 130k.

9 (2) The table of sections at the beginning of chapter  
10 19 of such title is amended by adding at the end the fol-  
11 lowing new items:

“394. Authorities concerning military cyber operations.

“395. Notification requirements for sensitive military cyber operations.

“396. Notification requirements for cyber weapons.”.

12 **SEC. 1632. AFFIRMING THE AUTHORITY OF THE SEC-**  
13 **RETARY OF DEFENSE TO CONDUCT MILITARY**  
14 **ACTIVITIES AND OPERATIONS IN CYBER-**  
15 **SPACE.**

16 Section 394 of title 10, United States Code (as trans-  
17 ferred and redesignated pursuant to section 1631), is  
18 amended—

19 (1) by striking “The Secretary” and inserting  
20 the following:

21 “(a) IN GENERAL.—The Secretary”;

22 (2) in subsection (a), as designated by para-  
23 graph (1)—

1 (A) by striking “conduct, a military cyber  
2 operation in response” and inserting “conduct,  
3 military cyber activities or operations in cyber-  
4 space, including clandestine military activities  
5 or operations in cyberspace, to defend the  
6 United States and its allies, including in re-  
7 sponse”; and

8 (B) by striking “(as such terms are de-  
9 fined in section 101 of the Foreign Intelligence  
10 Surveillance Act of 1978 (50 U.S.C. 1801))”;  
11 and

12 (3) by adding at the end the following new sub-  
13 sections:

14 “(b) AFFIRMATION OF AUTHORITY.—Congress af-  
15 firms that the activities or operations referred to in sub-  
16 section (a), when appropriately authorized, include the  
17 conduct of military activities or operations in cyberspace  
18 short of hostilities (as such term is used in the War Pow-  
19 ers Resolution (Public Law 93–148; 50 U.S.C. 1541 et  
20 seq.)) or in areas in which hostilities are not occurring,  
21 including for the purpose of preparation of the environ-  
22 ment, information operations, force protection, and deter-  
23 rence of hostilities, or counterterrorism operations involv-  
24 ing the Armed Forces of the United States.

1           “(c) CLANDESTINE ACTIVITIES OR OPERATIONS.—A  
2 clandestine military activity or operation in cyberspace  
3 shall be considered a traditional military activity for the  
4 purposes of section 503(e)(2) of the National Security Act  
5 of 1947 (50 U.S.C. 3093(e)(2)).

6           “(d) CONGRESSIONAL OVERSIGHT.—The Secretary  
7 shall brief the congressional defense committees about any  
8 military activities or operations in cyberspace, including  
9 clandestine military activities or operations in cyberspace,  
10 occurring during the previous quarter during the quarterly  
11 briefing required by section 484 of this title.

12           “(e) RULE OF CONSTRUCTION.—Nothing in this sec-  
13 tion may be construed to limit the authority of the Sec-  
14 retary to conduct military activities or operations in cyber-  
15 space, including clandestine military activities or oper-  
16 ations in cyberspace, to authorize specific military activi-  
17 ties or operations, or to alter or otherwise affect the War  
18 Powers Resolution (50 U.S.C. 1541 et seq.), the Author-  
19 ization for Use of Military Force (Public Law 107–40; 50  
20 U.S.C. 1541 note), or reporting of sensitive military cyber  
21 activities or operations required by section 395 of this  
22 title.

23           “(f) DEFINITIONS.—In this section:

24                   “(1) The term ‘clandestine military activity or  
25                   operation in cyberspace’ means a military activity or

1 military operation carried out in cyberspace, or asso-  
2 ciated preparatory actions, authorized by the Presi-  
3 dent or the Secretary that—

4 “(A) is marked by, held in, or conducted  
5 with secrecy, where the intent is that the activ-  
6 ity or operation will not be apparent or ac-  
7 knowledged publicly; and

8 “(B) is to be carried out—

9 “(i) as part of a military operation  
10 plan approved by the President or the Sec-  
11 retary in anticipation of hostilities or as di-  
12 rected by the President or the Secretary;

13 “(ii) to deter, safeguard, or defend  
14 against attacks or malicious cyber activi-  
15 ties against the United States or Depart-  
16 ment of Defense information, networks,  
17 systems, installations, facilities, or other  
18 assets; or

19 “(iii) in support of information related  
20 capabilities.

21 “(2) The term ‘foreign power’ has the meaning  
22 given such term in section 101 of the Foreign Intel-  
23 ligence Surveillance Act of 1978 (50 U.S.C. 1801).

24 “(3) The term ‘United States person’ has the  
25 meaning given such term in such section.”.

1 **SEC. 1633. DEPARTMENT OF DEFENSE CYBER SCHOLAR-**  
2 **SHIP PROGRAM SCHOLARSHIPS AND**  
3 **GRANTS.**

4 (a) ADDITIONAL CONSIDERATIONS.—Section 2200c  
5 of title 10, United States Code, is amended—

6 (1) by inserting before “In the selection” the  
7 following:

8 “(a) CENTERS OF ACADEMIC EXCELLENCE IN  
9 CYBER EDUCATION.—”; and

10 (2) by adding at the end the following new sub-  
11 section:

12 “(b) CERTAIN INSTITUTIONS OF HIGHER EDU-  
13 CATION.—In the selection of a recipient for the award of  
14 a scholarship or grant under this chapter, consideration  
15 shall be given to whether—

16 “(1) in the case of a scholarship, the institution  
17 of higher education at which the recipient pursues a  
18 degree is an institution described in section 371(a)  
19 of the Higher Education Act of 1965 (20 U.S.C.  
20 1067q(a)); and

21 “(2) in the case of a grant, the recipient is an  
22 institution described in such section.”.

23 (b) CLERICAL AMENDMENTS.—

24 (1) SECTION HEADING.—The heading of section  
25 2200c of title 10, United States Code, is amended  
26 to read as follows:

1 **“§ 2200c. Special considerations in awarding scholar-**  
2 **ships and grants”.**

3 (2) TABLE OF SECTIONS.—The table of sections  
4 at the beginning of chapter 112 of title 10, United  
5 States Code, is amended by striking the item relat-  
6 ing to section 2200c and inserting the following new  
7 item:

“2200c. Special considerations in awarding scholarships and grants.”.

8 **SEC. 1634. AMENDMENTS TO PILOT PROGRAM REGARDING**  
9 **CYBER VULNERABILITIES OF DEPARTMENT**  
10 **OF DEFENSE CRITICAL INFRASTRUCTURE.**

11 Subsection (b) of section 1650 of the National De-  
12 fense Authorization Act for Fiscal Year 2017 (10 U.S.C.  
13 2224 note) is amended—

14 (1) in paragraph (1), in the matter preceding  
15 subparagraph (A), by inserting “and the Defense  
16 Digital Service” after “covered research laboratory”;

17 (2) in paragraph (4), in the matter preceding  
18 subparagraph (A), by striking “2019” and inserting  
19 “2020”; and

20 (3) in paragraph (5), by striking “2019” and  
21 inserting “2020”.

1 **SEC. 1635. MODIFICATION OF ACQUISITION AUTHORITY OF**  
2 **THE COMMANDER OF THE UNITED STATES**  
3 **CYBER COMMAND.**

4 (a) MODIFICATION OF LIMITATION ON USE OF  
5 CYBER OPERATIONS PROCUREMENT FUND.—Subsection  
6 (e) of section 807 of the National Defense Authorization  
7 Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C.  
8 2224 note) is amended by striking “2021” and inserting  
9 “2025”.

10 (b) EXTENSION ON SUNSET.—Subsection (i)(1) of  
11 such section is amended by striking “September 30,  
12 2021” and inserting “September 30, 2025”.

13 **SEC. 1636. POLICY OF THE UNITED STATES ON CYBER-**  
14 **SPACE, CYBERSECURITY, CYBER WARFARE,**  
15 **AND CYBER DETERRENCE.**

16 (a) IN GENERAL.—It shall be the policy of the United  
17 States, with respect to matters pertaining to cyberspace,  
18 cybersecurity, and cyber warfare, that the United States  
19 should employ all instruments of national power, including  
20 the use of offensive cyber capabilities, to deter if possible,  
21 and respond to when necessary, all cyber attacks or other  
22 malicious cyber activities of foreign powers that target  
23 United States interests with the intent to—

24 (1) cause casualties among United States per-  
25 sons or persons of United States allies;

1           (2) significantly disrupt the normal functioning  
2 of United States democratic society or government  
3 (including attacks against critical infrastructure that  
4 could damage systems used to provide key services  
5 to the public or government);

6           (3) threaten the command and control of the  
7 Armed Forces, the freedom of maneuver of the  
8 Armed Forces, or the industrial base or other infra-  
9 structure on which the United States Armed Forces  
10 rely to defend United States interests and commit-  
11 ments; or

12           (4) achieve an effect, whether individually or in  
13 aggregate, comparable to an armed attack or imperil  
14 a vital interest of the United States.

15       (b) RESPONSE OPTIONS.—In carrying out the policy  
16 set forth in subsection (a), the United States shall plan,  
17 develop, and, when appropriate, demonstrate response op-  
18 tions to address the full range of potential cyber attacks  
19 on United States interests that could be conducted by po-  
20 tential adversaries of the United States.

21       (c) DENIAL OPTIONS.—In carrying out the policy set  
22 forth in subsection (a) through response options developed  
23 pursuant to subsection (b), the United States shall, to the  
24 greatest extent practicable, prioritize the defensibility and  
25 resiliency against cyber attacks and malicious cyber activi-

1 ties described in subsection (a) of infrastructure critical  
2 to the political integrity, economic security, and national  
3 security of the United States.

4 (d) COST-IMPOSITION OPTIONS.—In carrying out the  
5 policy set forth in subsection (a) through response options  
6 developed pursuant to subsection (b), the United States  
7 shall develop and, when appropriate, demonstrate, or oth-  
8 erwise make known to adversaries the existence of, cyber  
9 capabilities to impose costs on any foreign power targeting  
10 the United States or United States persons with a cyber  
11 attack or malicious cyber activity described in subsection  
12 (a).

13 (e) MULTI-PRONG RESPONSE.—In carrying out the  
14 policy set forth in subsection (a) through response options  
15 developed pursuant to subsection (b), the United States  
16 shall leverage all instruments of national power.

17 (f) UPDATE ON PRESIDENTIAL POLICY.—

18 (1) IN GENERAL.—Not later than 180 days  
19 after the date of the enactment of this Act, the  
20 President shall transmit, in unclassified and classi-  
21 fied forms, as appropriate, to the appropriate con-  
22 gressional committees a report containing an update  
23 to the report provided to the Congress on the policy  
24 of the United States on cyberspace, cybersecurity,  
25 and cyber warfare pursuant to section 1633 of the

1 National Defense Authorization Act for Fiscal Year  
2 2018 (Public Law 115–91; 10 U.S.C. 130g note).

3 (2) CONTENTS.—The report required under  
4 paragraph (1) shall include the following:

5 (A) An assessment of the current posture  
6 in cyberspace, including assessments of—

7 (i) whether past responses to major  
8 cyber attacks have had the desired deter-  
9 rent effect; and

10 (ii) how adversaries have responded to  
11 past United States responses.

12 (B) Updates on the Administration’s ef-  
13 forts in the development of—

14 (i) cost imposition strategies;

15 (ii) varying levels of cyber incursion  
16 and steps taken to date to prepare for the  
17 imposition of the consequences referred to  
18 in clause (i); and

19 (iii) the Cyber Deterrence Initiative.

20 (C) Information relating to the Adminis-  
21 tration’s plans, including specific planned ac-  
22 tions, regulations, and legislative action re-  
23 quired, for—

1 (i) advancing technologies in attribu-  
2 tion, inherently secure technology, and ar-  
3 tificial intelligence society-wide;

4 (ii) improving cybersecurity in and co-  
5 operation with the private sector;

6 (iii) improving international cyberse-  
7 curity cooperation; and

8 (iv) implementing the policy referred  
9 to in paragraph (1), including any realign-  
10 ment of government or government respon-  
11 sibilities required, writ large.

12 (f) RULE OF CONSTRUCTION.—Nothing in this sub-  
13 section may be construed to limit the authority of the  
14 President or Congress to authorize the use of military  
15 force.

16 (g) DEFINITIONS.—In this section:

17 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
18 TEES.—The term “appropriate congressional com-  
19 mittees” means—

20 (A) the congressional defense committees;

21 (B) the Permanent Select Committee on  
22 Intelligence of the House of Representatives;

23 (C) the Select Committee on Intelligence of  
24 the Senate;

1 (D) the Committee on Foreign Affairs, the  
2 Committee on Homeland Security, and the  
3 Committee on the Judiciary of the House of  
4 Representatives; and

5 (E) the Committee on Foreign Relations;  
6 the Committee on Homeland Security and Gov-  
7 ernmental Affairs; and the Committee on the  
8 Judiciary of the Senate.

9 (2) FOREIGN POWER.—The term “foreign  
10 power” has the meaning given such term in section  
11 101 of the Foreign Intelligence Surveillance Act of  
12 1978 (50 U.S.C. 1801).

13 **SEC. 1637. BUDGET DISPLAY FOR CYBER VULNERABILITY**  
14 **EVALUATIONS AND MITIGATION ACTIVITIES**  
15 **FOR MAJOR WEAPON SYSTEMS OF THE DE-**  
16 **PARTMENT OF DEFENSE.**

17 (a) BUDGET REQUIRED.—Beginning in fiscal year  
18 2021 and in each fiscal year thereafter, the Secretary of  
19 Defense shall submit to Congress, as a part of the docu-  
20 mentation that supports the President’s annual budget for  
21 the Department of Defense, a consolidated Cyber Vulner-  
22 ability Evaluation and Mitigation budget justification dis-  
23 play for each major weapons system of the Department  
24 of Defense that includes the following:

25 (1) CYBER VULNERABILITY EVALUATIONS.—

1 (A) STATUS.—Whether, in accordance with  
2 paragraph (1) of section 1647(a) of the Na-  
3 tional Defense Authorization Act for Fiscal  
4 Year 2016 (Public Law 114–92; 129 Stat.  
5 1118), the cyber vulnerability evaluation for  
6 each such major weapon system is pending, in  
7 progress, complete, or, pursuant to paragraph  
8 (2) of such section, waived.

9 (B) FUNDING.—The funding required for  
10 the fiscal year with respect to which the budget  
11 is submitted and for at least the four suc-  
12 ceeding fiscal years required to complete the  
13 pending or in progress cyber vulnerability eval-  
14 uation of each such major weapon system.

15 (C) DESCRIPTION.—A description of the  
16 activities planned in the fiscal year with respect  
17 to which the budget is submitted and at least  
18 the four succeeding fiscal years to complete the  
19 required evaluation for each such major weapon  
20 system.

21 (D) RISK ANALYSIS.—A description of  
22 operational or security risks associated with  
23 cyber vulnerabilities identified as a result of  
24 such cyber vulnerability evaluations that require  
25 mitigation.

1 (2) MITIGATION ACTIVITIES.—

2 (A) STATUS.—Whether activities to ad-  
3 dress identified cyber vulnerabilities of such  
4 major weapon systems resulting in operational  
5 or security risks requiring mitigation are pend-  
6 ing, in progress, or complete.

7 (B) FUNDING.—The funding required for  
8 the fiscal year with respect to which the budget  
9 is submitted and for at least the four suc-  
10 ceeding fiscal years required to complete the  
11 pending or in progress mitigation activities re-  
12 ferred to in subparagraph (A) related to such  
13 major weapon systems.

14 (C) DESCRIPTION.—A description of the  
15 activities planned in the fiscal year with respect  
16 to which the budget is submitted and at least  
17 the four succeeding fiscal years to complete any  
18 necessary mitigation.

19 (b) FORM.—The display required under subsection  
20 (a) should, to the extent practicable, be submitted in an  
21 unclassified form, and shall include a classified annex as  
22 required.

1 **SEC. 1638. DETERMINATION OF RESPONSIBILITY FOR THE**  
2 **DEPARTMENT OF DEFENSE INFORMATION**  
3 **NETWORKS.**

4 (a) IN GENERAL.—Not later than March 1, 2019, the  
5 Secretary of Defense shall submit to the congressional de-  
6 fense committees a report containing a determination re-  
7 garding the roles, missions, and responsibilities of the  
8 Commander, Joint Force Headquarters–Department of  
9 Defense Information Networks (JFHQ–DODIN) of the  
10 Defense Information Support Agency.

11 (b) ELEMENTS.—The report required under sub-  
12 section (a) shall include the following:

13 (1) An assessment of the current JFHQ-  
14 DODIN command and control structure, adequacy  
15 of the Defense Information Support Agency’s insti-  
16 tutional support for the JFHQ-DODIN mission, re-  
17 source requirements, and mission effectiveness.

18 (2)(A) A determination and justification re-  
19 garding—

20 (i) a transfer to the Commander, United  
21 States Cyber Command, from the JFHQ-  
22 DODIN of some or all roles, missions, and re-  
23 sponsibilities of the JFHQ-DODIN; or

24 (ii) retention in the JFHQ-DODIN of such  
25 roles, missions, and responsibilities.

1 (B) If a determination under subparagraph  
2 (A)(i) is made in the affirmative regarding a trans-  
3 fer to the Commander, United States Cyber Com-  
4 mand, from the JFHQ-DODIN of some or all roles,  
5 missions, and responsibilities of the JFHQ-DODIN,  
6 such report shall include the following:

7 (i) An identification of roles, missions, and  
8 responsibilities to be transferred.

9 (ii) A timeline for any such transfers.

10 (iii) A strategy for mitigating risk and en-  
11 suring no mission degradation.

12 **SEC. 1639. PROCEDURES AND REPORTING REQUIREMENT**  
13 **ON CYBERSECURITY BREACHES AND LOSS OF**  
14 **PERSONALLY IDENTIFIABLE INFORMATION**  
15 **AND CONTROLLED UNCLASSIFIED INFORMA-**  
16 **TION.**

17 (a) IN GENERAL.—In the event of a significant loss  
18 of personally identifiable information of civilian or uni-  
19 formed members of the Armed Forces, or a significant loss  
20 of controlled unclassified information by a cleared defense  
21 contractor, the Secretary of Defense shall promptly submit  
22 to the congressional defense committees notice in writing  
23 of such loss. Such notice may be submitted in classified  
24 or unclassified formats.

1 (b) PROCEDURES.—Not later than 180 days after the  
2 date of the enactment of this Act, the Secretary of Defense  
3 shall establish and submit to the congressional defense  
4 committees procedures for complying with the requirement  
5 of subsection (a). Such procedures shall be consistent with  
6 the national security of the United States, the protection  
7 of operational integrity, the protection of personally identi-  
8 fiable information of civilian and uniformed members of  
9 the Armed Forces, and the protection of controlled unclas-  
10 sified information.

11 (c) DEFINITIONS.—In this section:

12 (1) SIGNIFICANT LOSS OF CONTROLLED UN-  
13 CLASSIFIED INFORMATION.—The term “significant  
14 loss of controlled unclassified information” means an  
15 intentional, accidental, or otherwise known theft,  
16 loss, or disclosure of Department of Defense pro-  
17 grammatic or technical controlled unclassified infor-  
18 mation the loss of which would have significant im-  
19 pact or consequence to a program or mission of the  
20 Department of Defense, or the loss of which is of  
21 substantial volume.

22 (2) SIGNIFICANT LOSS OF PERSONALLY IDENTIFI-  
23 FIBLE INFORMATION.—The term “significant loss  
24 of personally identifiable information” means an in-  
25 tentional, accidental, or otherwise known disclosure

1 of information that can be used to distinguish or  
2 trace an individual's identity, such as the name, So-  
3 cial Security number, date and place of birth, bio-  
4 metric records, home or other phone numbers, or  
5 other demographic, personnel, medical, or financial  
6 information, involving 250 or more civilian or uni-  
7 formed members of the Armed Forces.

8 **SEC. 1640. PROGRAM TO ESTABLISH CYBER INSTITUTES AT**  
9 **INSTITUTIONS OF HIGHER LEARNING.**

10 (a) PROGRAM AUTHORIZED.—The Secretary of De-  
11 fense may carry out a program to establish a Cyber Insti-  
12 tute at institutions of higher learning selected under sub-  
13 section (b) for purposes of accelerating and focusing the  
14 development of foundational expertise in critical cyber  
15 operational skills for future military and civilian leaders  
16 of the Armed Forces and the Department of Defense, in-  
17 cluding such leaders of the reserve components.

18 (b) SELECTED INSTITUTIONS OF HIGHER LEARN-  
19 ING.—

20 (1) IN GENERAL.—The Secretary of Defense  
21 shall select institutions of higher learning for pur-  
22 poses of the program established under subsection  
23 (a) from among institutions of higher learning that  
24 have a Reserve Officers' Training Corps program.

1           (2) CONSIDERATION OF SENIOR MILITARY COL-  
2           LEGES.—In selecting institutions of higher learning  
3           under paragraph (1), the Secretary shall consider  
4           the senior military colleges with Reserve Officers'  
5           Training Corps programs.

6           (c) ELEMENTS.—Each institute established under  
7           the program authorized by subsection (a) shall include the  
8           following:

9           (1) Programs to provide future military and ci-  
10          vilian leaders of the Armed Forces or the Depart-  
11          ment of Defense who possess cyber operational ex-  
12          pertise from beginning through advanced skill levels.  
13          Such programs shall include instruction and prac-  
14          tical experiences that lead to recognized certifi-  
15          cations and degrees in the cyber field.

16          (2) Programs of targeted strategic foreign lan-  
17          guage proficiency training for such future leaders  
18          that—

19                 (A) are designed to significantly enhance  
20                 critical cyber operational capabilities; and

21                 (B) are tailored to current and anticipated  
22                 readiness requirements.

23          (3) Programs related to mathematical founda-  
24          tions of cryptography and courses in cryptographic  
25          theory and practice designed to complement and re-

1       inforce cyber education along with the strategic lan-  
2       guage programs critical to cyber operations.

3           (4) Programs related to data science and  
4       courses in data science theory and practice designed  
5       to complement and reinforce cyber education along  
6       with the strategic language programs critical to  
7       cyber operations.

8           (5) Programs designed to develop early interest  
9       and cyber talent through summer programs, dual  
10      enrollment opportunities for cyber, strategic lan-  
11      guage, data science, and cryptography related  
12      courses.

13          (6) Training and education programs to expand  
14      the pool of qualified cyber instructors necessary to  
15      support cyber education in regional school systems.

16      (d) PARTNERSHIPS WITH DEPARTMENT OF DE-  
17      FENSE AND THE ARMED FORCES.—Any institute estab-  
18      lished under the program authorized by subsection (a)  
19      may enter into a partnership with one or more components  
20      of the Armed Forces, active or reserve, or any agency of  
21      the Department of Defense to facilitate the development  
22      of critical cyber skills for students who may pursue a mili-  
23      tary career.

24          (e) PARTNERSHIPS.—Any institute established under  
25      the program authorized by subsection (a) may enter into

1 a partnership with one or more local educational agencies  
2 to facilitate the development of critical cyber skills.

3 (f) SENIOR MILITARY COLLEGES DEFINED.—The  
4 term “senior military colleges” has the meaning given  
5 such term in section 2111a(f) of title 10, United States  
6 Code.

7 **SEC. 1641. MATTERS PERTAINING TO THE SHARKSEER CY-**  
8 **BERSECURITY PROGRAM.**

9 (a) TRANSFER OF PROGRAM.—Not later than March  
10 1, 2019, the Secretary of Defense shall transfer the oper-  
11 ations and maintenance for the Sharkseer cybersecurity  
12 program from the National Security Agency to the De-  
13 fense Information Systems Agency, including all associ-  
14 ated funding and, as the Secretary considers necessary,  
15 personnel.

16 (b) LIMITATION ON FUNDING FOR THE INFORMA-  
17 TION SYSTEMS SECURITY PROGRAM.—Of the funds au-  
18 thorized to be appropriated by this Act or otherwise made  
19 available for fiscal year 2019 or any subsequent fiscal year  
20 for research, development, test, and evaluation for the In-  
21 formation Systems Security Program for the National Se-  
22 curity Agency, not more than 90 percent may be obligated  
23 or expended unless the Chief of Information Officer, in  
24 consultation with the Principal Cyber Advisor, certifies to  
25 the congressional defense committees that the operations

1 and maintenance funding for the Sharkseer program for  
2 fiscal year 2019 and the subsequent fiscal years of the  
3 current Future Years Defense Program are available or  
4 programmed.

5 (c) REPORT.—Not later than 90 days after the date  
6 of the enactment of this Act, the Chief Information Officer  
7 shall provide to the congressional defense committees a re-  
8 port that assesses the transition of base operations of the  
9 SharkSeer program to the Defense Information Systems  
10 Agency, including with respect to staffing, acquisition,  
11 contracts, sensor management, and the ability to conduct  
12 cyber threat analyses and detect advanced malware. Such  
13 report shall also include a plan for continued capability  
14 development.

15 (d) SHARKSEER BREAK AND INSPECT CAPA-  
16 BILITY.—

17 (1) IN GENERAL.—The Secretary of Defense  
18 shall ensure that the decryption capability described  
19 in section 1636 of the Carl Levin and Howard P.  
20 “Buck” McKeon National Defense Authorization  
21 Act for Fiscal Year 2015 (Public Law 113–291) is  
22 provided by the break and inspect subsystem of the  
23 Sharkseer cybersecurity program, unless the Chief of  
24 Information Officer, in consultation with the Prin-  
25 cipal Cyber Advisor, notifies the congressional de-

1       fense committees on or before the date that is 90  
2       days after the date of the enactment of this Act that  
3       a superior enterprise solution will be operational be-  
4       fore October 1, 2019.

5               (2) INTEGRATION OF CAPABILITY.—The Sec-  
6       retary shall take such actions as are necessary to in-  
7       tegrate the break and inspect subsystem of the  
8       Sharkseer cybersecurity program with the Depart-  
9       ment of Defense public key infrastructure.

10       (e) VISIBILITY TO ENDPOINTS.—The Secretary shall  
11      take such actions as are necessary to enable, by October  
12      1, 2020, the Sharkseer cybersecurity program and com-  
13      puter network defense service providers to instantly and  
14      automatically determine the specific identity and location  
15      of computer hosts and other endpoints that received or  
16      sent malware detected by the Sharkseer cybersecurity pro-  
17      gram or other network perimeter defenses.

18       (f) SANDBOX AS A SERVICE.—The Secretary shall  
19      use the Sharkseer cybersecurity program sandbox-as-a-  
20      service capability as an enterprise solution and terminate  
21      all other such projects, unless the Chief of Information  
22      Officer, in consultation with the Principal Cyber Advisor,  
23      notifies the congressional defense committees on or before  
24      the date that is 90 days after the date of the enactment

1 of this Act that a superior enterprise solution will be oper-  
2 ational before October 1, 2019.

3 **SEC. 1642. ACTIVE DEFENSE AGAINST THE RUSSIAN FED-**  
4 **ERATION, PEOPLE'S REPUBLIC OF CHINA,**  
5 **DEMOCRATIC PEOPLE'S REPUBLIC OF**  
6 **KOREA, AND ISLAMIC REPUBLIC OF IRAN AT-**  
7 **TACKS IN CYBERSPACE.**

8 (a) **AUTHORITY TO DISRUPT, DEFEAT, AND DETER**  
9 **CYBER ATTACKS.—**

10 (1) **IN GENERAL.—**In the event that the Na-  
11 tional Command Authority determines that the Rus-  
12 sian Federation, People's Republic of China, Demo-  
13 cratic People's Republic of Korea, or Islamic Repub-  
14 lic of Iran is conducting an active, systematic, and  
15 ongoing campaign of attacks against the Govern-  
16 ment or people of the United States in cyberspace,  
17 including attempting to influence American elections  
18 and democratic political processes, the National  
19 Command Authority may authorize the Secretary of  
20 Defense, acting through the Commander of the  
21 United States Cyber Command, to take appropriate  
22 and proportional action in foreign cyberspace to dis-  
23 rupt, defeat, and deter such attacks under the au-  
24 thority and policy of the Secretary of Defense to

1       conduct cyber operations and information operations  
2       as traditional military activities.

3               (2) NOTIFICATION AND REPORTING.—

4                       (A) NOTIFICATION OF OPERATIONS.—In  
5       exercising the authority provided in paragraph  
6       (1), the Secretary shall provide notices to the  
7       congressional defense committees in accordance  
8       with section 395 of title 10, United States Code  
9       (as transferred and redesignated pursuant to  
10      section 1631).

11                      (B) QUARTERLY REPORTS BY COMMANDER  
12      OF THE UNITED STATES CYBER COMMAND.—

13                              (i) IN GENERAL.—In any fiscal year  
14      in which the Commander of the United  
15      States Cyber Command carries out an ac-  
16      tion under paragraph (1), the Secretary of  
17      Defense shall, not less frequently than  
18      quarterly, submit to the congressional de-  
19      fense committees a report on the actions of  
20      the Commander under such paragraph in  
21      such fiscal year.

22                              (ii) MANNER OF REPORTING.—Re-  
23      ports submitted under clause (i) shall be  
24      submitted in a manner that is consistent  
25      with the recurring quarterly report re-

1                   required by section 484 of title 10, United  
2                   States Code.

3           (b) PRIVATE SECTOR COOPERATION.—The Secretary  
4 may make arrangements with private sector entities, on  
5 a voluntary basis, to share threat information related to  
6 malicious cyber actors, and any associated false online  
7 personas or compromised infrastructure, associated with  
8 a determination under subsection (a)(1), consistent with  
9 the protection of sources and methods and classification  
10 guidelines, as necessary.

11          (c) ANNUAL REPORT.—Not less frequently than once  
12 each year, the Secretary shall submit to the congressional  
13 defense committees, the congressional intelligence commit-  
14 tees (as defined in section 3 of the National Security Act  
15 of 1947 (50 U.S.C. 3003)), the Committee on Foreign Af-  
16 fairs of the House of Representatives, and the Committee  
17 on Foreign Relations of the Senate a report on—

18           (1) the scope and intensity of the information  
19           operations and attacks through cyberspace by the  
20           countries specified in subsection (a)(1) against the  
21           government or people of the United States observed  
22           by the cyber mission forces of the United States  
23           Cyber Command and the National Security Agency;  
24           and

1           (2) adjustments of the Department of Defense  
2           in the response directed or recommended by the Sec-  
3           retary with respect to such operations and attacks.

4           (d) **RULE OF CONSTRUCTION.**—Nothing in this sec-  
5           tion may be construed to—

6           (1) limit the authority of the Secretary to con-  
7           duct military activities or operations in cyberspace,  
8           including clandestine activities or operations in  
9           cyberspace; or

10          (2) affect the War Powers Resolution (Public  
11          Law 93–148; 50 U.S.C. 1541 et seq.) or the Author-  
12          ization for Use of Military Force (Public Law 107–  
13          40; 50 U.S.C. 1541 note).

14   **SEC. 1643. DESIGNATION OF OFFICIAL FOR MATTERS RE-**  
15                   **LATING TO INTEGRATING CYBERSECURITY**  
16                   **AND INDUSTRIAL CONTROL SYSTEMS WITHIN**  
17                   **THE DEPARTMENT OF DEFENSE.**

18          (a) **DESIGNATION OF INTEGRATING OFFICIAL.**—Not  
19          later than 180 days after the date of the enactment of  
20          this Act, the Secretary of Defense shall designate one offi-  
21          cial to be responsible for matters relating to integrating  
22          cybersecurity and industrial control systems for the De-  
23          partment of Defense.

24          (b) **RESPONSIBILITIES.**—The official designated pur-  
25          suant to subsection (a) shall be responsible for matters

1 described in such subsection at all levels of command,  
2 from the Department's leadership to the facilities owned  
3 by or operated on behalf of the Department of Defense  
4 using industrial control systems, including developing De-  
5 partment-wide certification standards for integration of  
6 industrial control systems and taking into consideration  
7 frameworks set forth by the National Institute of Stand-  
8 ards and Technology for the cybersecurity of such sys-  
9 tems.

10 **SEC. 1644. ASSISTANCE FOR SMALL MANUFACTURERS IN**  
11 **THE DEFENSE INDUSTRIAL SUPPLY CHAIN**  
12 **AND UNIVERSITIES ON MATTERS RELATING**  
13 **TO CYBERSECURITY.**

14 (a) DISSEMINATION OF CYBERSECURITY RE-  
15 SOURCES.—

16 (1) IN GENERAL.—The Secretary of Defense, in  
17 consultation with the Director of the National Insti-  
18 tute of Standards and Technology, shall take such  
19 actions as may be necessary to enhance awareness of  
20 cybersecurity threats among small manufacturers  
21 and universities working on Department of Defense  
22 programs and activities.

23 (2) PRIORITY.—The Secretary of Defense shall  
24 prioritize efforts to increase awareness to help re-

1       duce cybersecurity risks faced by small manufactur-  
2       ers and universities referred to in paragraph (1).

3           (3) SECTOR FOCUS.—The Secretary of Defense  
4       shall carry out this subsection with a focus on such  
5       small manufacturers and universities as the Sec-  
6       retary considers critical.

7           (4) OUTREACH EVENTS.—Under paragraph (1),  
8       the Secretary of Defense shall conduct outreach to  
9       support activities consistent with this section. Such  
10      outreach may include live events with a physical  
11      presence and outreach conducted through Internet  
12      websites. Such outreach may include training, in-  
13      cluding via courses and classes, to help small manu-  
14      facturers and universities improve their cybersecu-  
15      rity.

16          (5) ROADMAPS AND ASSESSMENTS.—The Sec-  
17      retary of Defense shall ensure that cybersecurity for  
18      defense industrial base manufacturing is included in  
19      appropriate research and development roadmaps and  
20      threat assessments.

21          (b) VOLUNTARY CYBERSECURITY SELF-ASSESS-  
22      MENTS.—The Secretary of Defense shall develop mecha-  
23      nisms to provide assistance to help small manufacturers  
24      and universities conduct voluntary self-assessments in  
25      order to understand operating environments, cybersecurity

1 requirements, and existing vulnerabilities, including  
2 through the Mentor Protégé Program, small business pro-  
3 grams, and engagements with defense laboratories and  
4 test ranges.

5 (c) TRANSFER OF RESEARCH FINDINGS AND EXPER-  
6 TISE.—

7 (1) IN GENERAL.—The Secretary of Defense  
8 shall promote the transfer of appropriate technology,  
9 threat information, and cybersecurity techniques de-  
10 veloped in the Department of Defense to small man-  
11 ufacturers and universities throughout the United  
12 States to implement security measures that are ade-  
13 quate to protect covered defense information, includ-  
14 ing controlled unclassified information.

15 (2) COORDINATION WITH OTHER FEDERAL EX-  
16 PERTISE AND CAPABILITIES.—The Secretary of De-  
17 fense shall coordinate efforts, when appropriate, with  
18 the expertise and capabilities that exist in Federal  
19 agencies and federally sponsored laboratories.

20 (3) AGREEMENTS.—In carrying out this sub-  
21 section, the Secretary of Defense may enter into  
22 agreements with private industry, institutes of high-  
23 er education, or a State, United States territory,  
24 local, or tribal government to ensure breadth and

1 depth of coverage to the United States defense in-  
2 dustrial base and to leverage resources.

3 (d) DEFENSE ACQUISITION WORKFORCE CYBER  
4 TRAINING PROGRAM.—The Secretary of Defense shall es-  
5 tablish a cyber counseling certification program, or ap-  
6 prove a similar existing program, to certify small business  
7 professionals and other relevant acquisition staff within  
8 the Department of Defense to provide cyber planning as-  
9 sistance to small manufacturers and universities.

10 (e) ESTABLISHMENT OF CYBERSECURITY FOR DE-  
11 FENSE INDUSTRIAL BASE MANUFACTURING ACTIVITY.—

12 (1) AUTHORITY.—The Secretary of Defense  
13 may establish an activity to assess and strengthen  
14 the cybersecurity resiliency of the defense industrial  
15 base, if the Secretary determines such is appro-  
16 priate.

17 (2) DESIGNATION.—The activity described in  
18 paragraph (1), if established, shall be known as the  
19 “Cybersecurity for Defense Industrial Base Manu-  
20 facturing Activity”.

21 (3) SPECIFICATION.—The Cybersecurity for  
22 Defense Industrial Base Manufacturing Activity, if  
23 established, shall implement the requirements speci-  
24 fied in subsections (a) through (c).

1 (f) AUTHORITIES.—In carrying out this section, the  
2 Secretary may use the following authorities:

3 (1) The Manufacturing Technology Program es-  
4 tablished under section 2521 of title 10, United  
5 States Code.

6 (2) The Centers for Science, Technology, and  
7 Engineering Partnership program under section  
8 2368 of title 10, United States Code.

9 (3) The Manufacturing Engineering Education  
10 Program established under section 2196 of title 10,  
11 United States Code.

12 (4) The Small Business Innovation Research  
13 program.

14 (5) The mentor-protégé program.

15 (6) Other legal authorities as the Secretary de-  
16 termines necessary to effectively and efficiently carry  
17 out this section.

18 (g) DEFINITIONS.—In this section:

19 (1) RESOURCES.—The term “resources” means  
20 guidelines, tools, best practices, standards, meth-  
21 odologies, and other ways of providing information.

22 (2) SMALL BUSINESS CONCERN.—The term  
23 “small business concern” means a small business  
24 concern as that term is used in section 3 of the  
25 Small Business Act (15 U.S.C. 632).

1           (3) SMALL MANUFACTURER.—The term “small  
2           manufacturer” means a small business concern that  
3           is a manufacturer in the defense industrial supply  
4           chain.

5           (4) STATE.—The term “State” means each of  
6           the several States, Territories, and possessions of  
7           the United States, the District of Columbia, and the  
8           Commonwealth of Puerto Rico.

9   **SEC. 1645. EMAIL AND INTERNET WEBSITE SECURITY AND**  
10                                   **AUTHENTICATION.**

11          (a) IMPLEMENTATION OF PLAN REQUIRED.—Except  
12          as provided by subsection (b), the Secretary of Defense  
13          shall develop and implement the plan outlined in Binding  
14          Operational Directive 18–01, issued by the Secretary of  
15          Homeland Security on October 16, 2017, relating to email  
16          security and authentication and Internet website security,  
17          according to the schedule established by the Binding Oper-  
18          ational Directive for the rest of the Executive Branch be-  
19          ginning with the date of enactment of this Act.

20          (b) WAIVER.—The Secretary may waive the require-  
21          ments of subsection (a) if the Secretary submits to the  
22          congressional defense committees, the Committee on Over-  
23          sight and Government Reform of the House of Represent-  
24          atives, and the Committee on Homeland Security and Gov-  
25          ernment Affairs of the Senate a certification that existing

1 or planned security measures for the Department of De-  
2 fense either meet or exceed the information security re-  
3 quirements of Binding Operational Directive 18–01.

4 (c) FUTURE BINDING OPERATIONAL DIRECTIVES.—  
5 The Chief Information Officer of the Department of De-  
6 fense shall notify the congressional defense committees,  
7 the Committee on Oversight and Government Reform of  
8 the House of Representatives, and the Committee on  
9 Homeland Security and Government Affairs of the Senate  
10 within 180 days of the issuance by the Secretary of Home-  
11 land Security after the date of the enactment of this Act  
12 of any Binding Operational Directive for cybersecurity  
13 whether the Department of Defense will comply with the  
14 Directive or how the Department of Defense plans to meet  
15 or exceed the security objectives of the Directive.

16 **SEC. 1646. SECURITY PRODUCT INTEGRATION FRAME-**  
17 **WORK.**

18 The Principal Cyber Adviser, the Chief Information  
19 Officer, and the Commander of the United States Cyber  
20 Command shall select a network or network segment and  
21 associated computer network defense service provider to  
22 conduct a demonstration and evaluation of one or more  
23 existing security product integration frameworks, includ-  
24 ing modifying network security systems to enable such

1 systems to ingest, publish, subscribe, tip and cue, and re-  
2 quest information or services from each other.

3 **SEC. 1647. INFORMATION SECURITY CONTINUOUS MONI-**  
4 **TORING AND CYBERSECURITY SCORECARD.**

5 (a) LIMITATION.—After October 1, 2019, no funds  
6 may be obligated or expended to prepare the cybersecurity  
7 scorecard for the Secretary of Defense unless the Depart-  
8 ment of Defense is implementing a funded capability to  
9 meet the requirements—

10 (1) established by the Chief Information Officer  
11 and the Commander of United States Cyber Com-  
12 mand pursuant to section 1653 of the National De-  
13 fense Authorization for Fiscal Year 2017 (Public  
14 Law 114–328; 10 U.S.C. 2224 note); and

15 (2) as set forth in the Department of Defense’s  
16 policies on modernized, Department-wide automated  
17 information security continuous monitoring.

18 (b) REPORT.—Not later than January 10, 2019, the  
19 Director of Cost Assessment and Program Evaluation  
20 shall submit to the congressional defense committees a re-  
21 port—

22 (1) comparing the current capabilities of the  
23 Department of Defense to—

24 (A) the requirements described in sub-  
25 section (a);

1 (B) the capabilities deployed by the De-  
2 partment of Homeland Security and the Gen-  
3 eral Services Administration under the Contin-  
4 uous Diagnostics and Mitigation program  
5 across the non-Department of Defense depart-  
6 ments and agencies of the Federal Government;  
7 and

8 (2) that contains a review and determination of  
9 whether the current requirements and policies de-  
10 scribed in subsection (a) are adequate to address the  
11 current threat environment.

12 (c) RISK THRESHOLDS.—The Chief Information Of-  
13 ficer of the Department of Defense, in coordination with  
14 the Principal Cyber Advisor, the Director of Operations  
15 of the Joint Staff, and the Commander of United States  
16 Cyber Command, shall establish risk thresholds for sys-  
17 tems and network operations that, when exceeded, would  
18 trigger heightened security measures, such as enhanced  
19 monitoring and access policy changes.

20 (d) ENTERPRISE GOVERNANCE, RISK, AND COMPLI-  
21 ANCE PLAN.—Not later than 180 days after the date of  
22 the enactment of this Act, the Chief Information Officer  
23 and the Principal Cyber Advisor shall develop a plan to  
24 implement an enterprise governance, risk, and compliance  
25 platform and process to maintain current status of all in-

1 formation and operational technology assets,  
2 vulnerabilities, threats, and mitigations.

3 **SEC. 1648. TIER 1 EXERCISE OF SUPPORT TO CIVIL AU-**  
4 **THORITIES FOR A CYBER INCIDENT.**

5 (a) IN GENERAL.—The Commander of the United  
6 States Cyber Command, the Commander of United States  
7 Northern Command, and such other commands or compo-  
8 nents of the Department of Defense as the Secretary of  
9 Defense considers appropriate, shall, consistent with the  
10 recommendations made by the Comptroller General of the  
11 United States in the Government Accountability Office re-  
12 port GAO–16–574, conduct a tier 1 exercise of support  
13 to civil authorities for a cyber incident.

14 (b) ELEMENTS.—The exercise required by subsection  
15 (a) shall include the following:

16 (1) Department level leadership and decision-  
17 making for providing cyber support to civil authori-  
18 ties.

19 (2) Testing of the policy, guidance, doctrine  
20 and other elements in the Department of Defense  
21 Cyber Incident Coordinating Procedure.

22 (3) Operational planning and execution by the  
23 Joint Staff and supported and supporting combatant  
24 commands.

1           (4) Coordination with, and incorporation of, as  
2           appropriate, the Department of Homeland Security,  
3           the Federal Bureau of Investigation, and elements  
4           across Federal and State governments and the pri-  
5           vate sector.

6 **SEC. 1649. PILOT PROGRAM ON MODELING AND SIMULA-**  
7                                   **TION IN SUPPORT OF MILITARY HOMELAND**  
8                                   **DEFENSE OPERATIONS IN CONNECTION**  
9                                   **WITH CYBER ATTACKS ON CRITICAL INFRA-**  
10                                  **STRUCTURE.**

11           (a) PILOT PROGRAM REQUIRED.—

12                   (1) IN GENERAL.—The Assistant Secretary of  
13           Defense for Homeland Defense and Global Security  
14           shall carry out a pilot program to model cyber at-  
15           tacks on critical infrastructure in order to identify  
16           and develop means of improving Department of De-  
17           fense responses to requests for defense support to  
18           civil authorities for such attacks.

19                   (2) RESEARCH EXERCISES.—The pilot program  
20           shall source data from and include consideration of  
21           the “Jack Voltaic” research exercises conducted by  
22           the Army Cyber Institute, industry partners of the  
23           Institute, and the cities of New York, New York,  
24           and Houston, Texas.

1 (b) PURPOSE.—The purpose of the pilot program  
2 shall be to accomplish the following:

3 (1) The development and demonstration of risk  
4 analysis methodologies, and the application of com-  
5 mercial simulation and modeling capabilities, based  
6 on artificial intelligence and hyperscale cloud com-  
7 puting technologies, as applicable—

8 (A) to assess defense critical infrastructure  
9 vulnerabilities and interdependencies to improve  
10 military resiliency;

11 (B) to determine the likely effectiveness of  
12 attacks described in subsection (a)(1), and  
13 countermeasures, tactics, and tools supporting  
14 responsive military homeland defense oper-  
15 ations;

16 (C) to train personnel in incident response;

17 (D) to conduct exercises and test sce-  
18 narios;

19 (E) to foster collaboration and learning be-  
20 tween and among departments and agencies of  
21 the Federal Government, State and local gov-  
22 ernments, and private entities responsible for  
23 critical infrastructure; and

1 (F) improve intra-agency and inter-agency  
2 coordination for consideration and approval of  
3 requests for defense support to civil authorities.

4 (2) The development and demonstration of the  
5 foundations for establishing and maintaining a pro-  
6 gram of record for a shared high-fidelity, interactive,  
7 affordable, cloud-based modeling and simulation of  
8 critical infrastructure systems and incident response  
9 capabilities that can simulate complex cyber and  
10 physical attacks and disruptions on individual and  
11 multiple sectors on national, regional, State, and  
12 local scales.

13 (c) REPORT.—

14 (1) IN GENERAL.—At the same time the budget  
15 of the President for fiscal year 2021 is submitted to  
16 Congress pursuant to section 1105(a) of title 31,  
17 United States Code, the Assistant Secretary shall, in  
18 consultation with the Secretary of Homeland Secu-  
19 rity, submit to the congressional defense committees  
20 a report on the pilot program.

21 (2) CONTENTS.—The report required by para-  
22 graph (1) shall include the following:

23 (A) A description of the results of the pilot  
24 program as of the date of the report.

1 (B) A description of the risk analysis  
2 methodologies and modeling and simulation ca-  
3 pabilities developed and demonstrated pursuant  
4 to the pilot program, and an assessment of the  
5 potential for future growth of commercial tech-  
6 nology in support of the homeland defense mis-  
7 sion of the Department of Defense.

8 (C) Such recommendations as the Sec-  
9 retary considers appropriate regarding the es-  
10 tablishment of a program of record for the De-  
11 partment on further development and  
12 sustainment of risk analysis methodologies and  
13 advanced, large-scale modeling and simulation  
14 on critical infrastructure and cyber warfare.

15 (D) Lessons learned from the use of novel  
16 risk analysis methodologies and large-scale  
17 modeling and simulation carried out under the  
18 pilot program regarding vulnerabilities, required  
19 capabilities, and reconfigured force structure,  
20 coordination practices, and policy.

21 (E) Planned steps for implementing the  
22 lessons described in subparagraph (D).

23 (F) Any other matters the Secretary deter-  
24 mines appropriate.

1 **SEC. 1650. PILOT PROGRAM AUTHORITY TO ENHANCE CY-**  
2 **BERSECURITY AND RESILIENCY OF CRITICAL**  
3 **INFRASTRUCTURE.**

4 (a) **AUTHORITY.**—The Secretary of Defense, in co-  
5 ordination with the Secretary of Homeland Security, is au-  
6 thorized to provide, detail, or assign technical personnel  
7 to the Department of Homeland Security on a non-reim-  
8 bursable basis to enhance cybersecurity cooperation, col-  
9 laboration, and unity of Government efforts.

10 (b) **SCOPE OF ASSISTANCE.**—The authority under  
11 subsection (a) shall be limited in any fiscal year to the  
12 provision of not more than 50 technical cybersecurity per-  
13 sonnel from the Department of Defense to the Depart-  
14 ment of Homeland Security, including the national cyber-  
15 security and communications integration center (NCCIC)  
16 of the Department, or other locations as agreed upon by  
17 the Secretary of Defense and the Secretary of Homeland  
18 Security.

19 (c) **LIMITATION.**—The authority under subsection (a)  
20 may not negatively impact the primary missions of the De-  
21 partment of Defense or the Department of Homeland Se-  
22 curity.

23 (d) **ESTABLISHMENT OF PROCEDURES.**—

24 (1) **IN GENERAL.**—The Secretary of Defense  
25 and the Secretary of Homeland Security shall estab-  
26 lish procedures to carry out subsection (a), including

1 procedures relating to the protection of and safe-  
2 guards for maintenance of information held by the  
3 NCCIC regarding United States persons.

4 (2) LIMITATION.—Nothing in this subsection  
5 may be construed as providing authority to the Sec-  
6 retary of Defense to establish procedures regarding  
7 the NCCIC with respect to any matter outside the  
8 scope of this section.

9 (e) NO EFFECT ON OTHER AUTHORITY TO PROVIDE  
10 SUPPORT.—Nothing in this section may be construed to  
11 limit the authority of an Executive department, military  
12 department, or independent establishment to provide any  
13 appropriate support, including cybersecurity support, or to  
14 provide, detail, or assign personnel, under any other law,  
15 rule, or regulation.

16 (f) DEFINITIONS.—In this section, each of the terms  
17 “Executive department”, “military department”, and  
18 “independent establishment”, has the meaning given each  
19 of such terms, respectively, in chapter 1 of title 5, United  
20 States Code.

21 (g) TERMINATION OF AUTHORITY.—This section  
22 shall terminate on September 30, 2022.

1 **SEC. 1651. PILOT PROGRAM ON REGIONAL CYBERSECURITY**  
2 **TRAINING CENTER FOR THE ARMY NATIONAL**  
3 **GUARD.**

4 (a) PILOT PROGRAM.—The Secretary of the Army  
5 may carry out a pilot program under which the Secretary  
6 establishes a National Guard training center to provide  
7 collaborative interagency education and training for mem-  
8 bers of the Army National Guard.

9 (b) CENTER.—

10 (1) TRAINING AND COOPERATION.—If the Sec-  
11 retary carries out the pilot program under sub-  
12 section (a), the Secretary should ensure that the  
13 training center established under such subsection—

14 (A) educates and trains members of the  
15 Army National Guard quickly and efficiently by  
16 concurrently training cyber protection teams  
17 and cyber network defense teams on a common  
18 standard in order to defend—

19 (i) the information network of the De-  
20 partment of Defense in a State environ-  
21 ment;

22 (ii) while acting under title 10, United  
23 States Code, the information networks of  
24 State governments; and

25 (iii) critical infrastructure;

26 (B) fosters interagency cooperation by—

1 (i) co-locating members of the Army  
2 National Guard with personnel of depart-  
3 ments and agencies of the Federal Govern-  
4 ment and State governments; and

5 (ii) providing an environment to de-  
6 velop interagency relationship to coordinate  
7 responses and recovery efforts during and  
8 following a cyber attack;

9 (C) collaborates with academic institutions  
10 to develop and implement curriculum for inter-  
11 agency education and training within the class-  
12 room; and

13 (D) coordinates with the Persistent Cyber  
14 Training Environment of the Army Cyber Com-  
15 mand in devising and implementing interagency  
16 education and training using physical and infor-  
17 mation technology infrastructure.

18 (2) LOCATIONS.—If the Secretary carries out  
19 the pilot program under subsection (a), the Sec-  
20 retary may select one National Guard facility at  
21 which to carry out the pilot program. The Secretary  
22 may select a facility that is located in an area that  
23 meets the following criteria:

24 (A) The location has a need for cyber  
25 training, as measured by both the number of

1 members of the Army National Guard that  
2 would apply for such training and the number  
3 of units of the Army National Guard that verify  
4 the unit would apply for such training.

5 (B) The location has high capacity infor-  
6 mation and telecommunications infrastructure,  
7 including high speed fiber optic networks.

8 (C) The location has personnel, technology,  
9 laboratories, and facilities to support proposed  
10 activities and has the opportunity for ongoing  
11 training, education, and research.

12 (e) ACTIVITIES.—If the Secretary carries out the  
13 pilot program under subsection (a), the Secretary should  
14 ensure that the pilot program includes the following activi-  
15 ties:

16 (1) Providing joint education and training and  
17 accelerating training certifications for working in a  
18 cyber range.

19 (2) Integrating education and training between  
20 the National Guard, law enforcement, and emer-  
21 gency medical and fire first responders.

22 (3) Providing a program to continuously train  
23 the cyber network defense teams to not only defend  
24 the information network of the Department of De-  
25 fense, but to also provide education and training on

1       how to use defense capabilities of the team in a  
2       State environment.

3               (4) Developing curriculum and educating the  
4       National Guard on the different missions carried out  
5       under titles 10 and 32, United States Code, in order  
6       to enhance interagency coordination and create a  
7       common operating picture.

8       (d) NOTIFICATION REQUIRED.—If the Secretary car-  
9       ries out the pilot program under subsection (a), the Sec-  
10      retary shall provide immediate notification to the congres-  
11      sional defense committees that includes information relat-  
12      ing to the resources required to carry out such pilot pro-  
13      gram, identification of units to be trained, the location of  
14      such training, and a description of agreements with Fed-  
15      eral, State, local, and private sector entities.

16      (e) SUNSET.—The authority provided under this sec-  
17      tion shall expire on the date that is two years after the  
18      date of the enactment of this Act.

19      **SEC. 1652. CYBERSPACE SOLARIUM COMMISSION.**

20      (a) ESTABLISHMENT.—

21               (1) IN GENERAL.—There is established a com-  
22      mission to develop a consensus on a strategic ap-  
23      proach to defending the United States in cyberspace  
24      against cyber attacks of significant consequences.

1           (2) DESIGNATION.—The commission estab-  
2           lished under paragraph (1) shall be known as the  
3           “Cyberspace Solarium Commission” (in this section  
4           the “Commission”).

5           (b) MEMBERSHIP.—

6           (1) COMPOSITION.—(A) Subject to subpara-  
7           graph (B), the Commission shall be composed of 13  
8           members, as follows:

9                   (i) The Principal Deputy Director of Na-  
10                  tional Intelligence.

11                  (ii) The Deputy Secretary of Homeland  
12                  Security.

13                  (iii) The Deputy Secretary of Defense.

14                  (iv) The Director of the Federal Bureau of  
15                  Investigation.

16                  (v) Three members appointed by the ma-  
17                  jority leader of the Senate, in consultation with  
18                  the Chairman of the Committee on Armed  
19                  Services of the Senate, one of whom shall be a  
20                  member of the Senate and two of whom shall  
21                  not be.

22                  (vi) Two members appointed by the minor-  
23                  ity leader of the Senate, in consultation with  
24                  the Ranking Member of the Committee on  
25                  Armed Services of the Senate, one of whom

1 shall be a member of the Senate and one of  
2 whom shall not be.

3 (vii) Three members appointed by the  
4 Speaker of the House of Representatives, in  
5 consultation with the Chairman of the Com-  
6 mittee on Armed Services of the House of Rep-  
7 resentatives, one of whom shall be a member of  
8 the House of Representatives and two of whom  
9 shall not be.

10 (viii) Two members appointed by the mi-  
11 nority leader of the House of Representatives,  
12 in consultation with the Ranking Member of the  
13 Committee on Armed Services of the House of  
14 Representatives, one of whom shall be a mem-  
15 ber of the House of Representatives and one of  
16 whom shall not be.

17 (B)(i) The members of the Commission who are  
18 not members of Congress and who are appointed  
19 under clauses (iv) through (vii) of subparagraph (A)  
20 shall be individuals who are nationally recognized for  
21 expertise, knowledge, or experience in—

22 (I) cyber strategy or national-level strate-  
23 gies to combat long-term adversaries;

24 (II) cyber technology and innovation;

1 (III) use of intelligence information by na-  
2 tional policymakers and military leaders; or

3 (IV) the implementation, funding, or over-  
4 sight of the national security policies of the  
5 United States.

6 (ii) An official who appoints members of the  
7 Commission may not appoint an individual as a  
8 member of the Commission if such individual pos-  
9 sesses any personal or financial interest in the dis-  
10 charge of any of the duties of the Commission.

11 (iii) All members of the Commission described  
12 in clause (i) shall possess an appropriate security  
13 clearance in accordance with applicable provisions of  
14 law concerning the handling of classified informa-  
15 tion.

16 (2) CO-CHAIRS.—(A) The Commission shall  
17 have two co-chairs, selected from among the mem-  
18 bers of the Commission.

19 (B) One co-chair of the Commission shall be a  
20 member of the Democratic Party, and one co-chair  
21 shall be a member of the Republican Party.

22 (C) The individuals who serve as the co-chairs  
23 of the Commission shall be jointly agreed upon by  
24 the President, the majority leader of the Senate, the  
25 minority leader of the Senate, the Speaker of the

1 House of Representatives, and the minority leader of  
2 the House of Representatives.

3 (c) APPOINTMENT; INITIAL MEETING.—

4 (1) APPOINTMENT.—Members of the Commis-  
5 sion shall be appointed not later than 45 days after  
6 the date of the enactment of this Act.

7 (2) INITIAL MEETING.—The Commission shall  
8 hold its initial meeting on or before the date that is  
9 60 days after the date of the enactment of this Act.

10 (d) MEETINGS; QUORUM; VACANCIES.—

11 (1) IN GENERAL.—After its initial meeting, the  
12 Commission shall meet upon the call of the co-chairs  
13 of the Commission.

14 (2) QUORUM.—Seven members of the Commis-  
15 sion shall constitute a quorum for purposes of con-  
16 ducting business, except that two members of the  
17 Commission shall constitute a quorum for purposes  
18 of receiving testimony.

19 (3) VACANCIES.—Any vacancy in the Commis-  
20 sion shall not affect its powers, but shall be filled in  
21 the same manner in which the original appointment  
22 was made.

23 (4) QUORUM WITH VACANCIES.—If vacancies in  
24 the Commission occur on any day after 45 days  
25 after the date of the enactment of this Act, a

1 quorum shall consist of a majority of the members  
2 of the Commission as of such day.

3 (e) ACTIONS OF COMMISSION.—

4 (1) IN GENERAL.—The Commission shall act by  
5 resolution agreed to by a majority of the members  
6 of the Commission voting and present.

7 (2) PANELS.—The Commission may establish  
8 panels composed of less than the full membership of  
9 the Commission for purposes of carrying out the du-  
10 ties of the Commission under this title. The actions  
11 of any such panel shall be subject to the review and  
12 control of the Commission. Any findings and deter-  
13 minations made by such a panel shall not be consid-  
14 ered the findings and determinations of the Commis-  
15 sion unless approved by the Commission.

16 (3) DELEGATION.—Any member, agent, or staff  
17 of the Commission may, if authorized by the co-  
18 chairs of the Commission, take any action which the  
19 Commission is authorized to take pursuant to this  
20 title.

21 (f) DUTIES.—The duties of the Commission are as  
22 follows:

23 (1) To define the core objectives and priorities  
24 of the strategy described in subsection (a)(1).

1           (2) To weigh the costs and benefits of various  
2           strategic options to defend the United States, includ-  
3           ing the political system of the United States, the na-  
4           tional security industrial sector of the United States,  
5           and the innovation base of the United States. The  
6           options to be assessed should include deterrence,  
7           norms-based regimes, and active disruption of adver-  
8           sary attacks through persistent engagement.

9           (3) To evaluate whether the options described  
10          in paragraph (2) are exclusive or complementary,  
11          the best means for executing such options, and how  
12          the United States should incorporate and implement  
13          such options within its national strategy.

14          (4) To review and make determinations on the  
15          difficult choices present within such options, among  
16          them what norms-based regimes the United States  
17          should seek to establish, how the United States  
18          should enforce such norms, how much damage the  
19          United States should be willing to incur in a deter-  
20          rence or persistent denial strategy, what attacks  
21          warrant response in a deterrence or persistent denial  
22          strategy, and how the United States can best exe-  
23          cute these strategies.

24          (5) To review adversarial strategies and inten-  
25          tions, current programs for the defense of the

1 United States, and the capabilities of the Federal  
2 Government to understand if and how adversaries  
3 are currently being deterred or thwarted in their  
4 aims and ambitions in cyberspace.

5 (6) To evaluate the effectiveness of the current  
6 national cyber policy relating to cyberspace, cyberse-  
7 curity, and cyber warfare to disrupt, defeat and  
8 deter cyber attacks.

9 (7) In weighing the options for defending the  
10 United States, to consider possible structures and  
11 authorities that need to be established, revised, or  
12 augmented within the Federal Government.

13 (g) POWERS OF COMMISSION.—

14 (1) IN GENERAL.—(A) The Commission or, on  
15 the authorization of the Commission, any sub-  
16 committee or member thereof, may, for the purpose  
17 of carrying out the provisions of this section—

18 (i) hold such hearings and sit and act at  
19 such times and places, take such testimony, re-  
20 ceive such evidence, and administer such oaths;  
21 and

22 (ii) require, by subpoena or otherwise, the  
23 attendance and testimony of such witnesses and  
24 the production of such books, records, cor-  
25 respondence, memoranda, papers, and docu-

1           ments, as the Commission or such designated  
2           subcommittee or designated member considers  
3           necessary.

4           (B) Subpoenas may be issued under subpara-  
5           graph (A)(ii) under the signature of the co-chairs of  
6           the Commission, and may be served by any person  
7           designated by such co-chairs.

8           (C) The provisions of sections 102 through 104  
9           of the Revised Statutes of the United States (2  
10          U.S.C. 192–194) shall apply in the case of any fail-  
11          ure of a witness to comply with any subpoena or to  
12          testify when summoned under authority of this sec-  
13          tion.

14          (2) CONTRACTING.—The Commission may, to  
15          such extent and in such amounts as are provided in  
16          advance in appropriation Acts, enter into contracts  
17          to enable the Commission to discharge its duties  
18          under this title.

19          (3) INFORMATION FROM FEDERAL AGENCIES.—  
20          (A) The Commission may secure directly from any  
21          executive department, agency, bureau, board, com-  
22          mission, office, independent establishment, or instru-  
23          mentality of the Government information, sugges-  
24          tions, estimates, and statistics for the purposes of  
25          this title.

1           (B) Each such department, agency, bureau,  
2           board, commission, office, establishment, or instru-  
3           mentality shall, to the extent authorized by law, fur-  
4           nish such information, suggestions, estimates, and  
5           statistics directly to the Commission, upon request  
6           of the co-chairs of the Commission.

7           (C) The Commission shall handle and protect  
8           all classified information provided to it under this  
9           section in accordance with applicable statutes and  
10          regulations.

11          (4) ASSISTANCE FROM FEDERAL AGENCIES.—

12          (A) The Secretary of Defense shall provide to the  
13          Commission, on a nonreimbursable basis, such ad-  
14          ministrative services, funds, staff, facilities, and  
15          other support services as are necessary for the per-  
16          formance of the Commission's duties under this title.

17          (B) The Director of National Intelligence may  
18          provide the Commission, on a nonreimbursable basis,  
19          with such administrative services, staff, and other  
20          support services as the Commission may request.

21          (C) In addition to the assistance set forth in  
22          paragraphs (1) and (2), other departments and  
23          agencies of the United States may provide the Com-  
24          mission such services, funds, facilities, staff, and

1 other support as such departments and agencies  
2 consider advisable and as may be authorized by law.

3 (D) The Commission shall receive the full and  
4 timely cooperation of any official, department, or  
5 agency of the United States Government whose as-  
6 sistance is necessary, as jointly determined by the  
7 co-chairs selected under subsection (b)(2), for the  
8 fulfillment of the duties of the Commission, includ-  
9 ing the provision of full and current briefings and  
10 analyses.

11 (5) POSTAL SERVICES.—The Commission may  
12 use the United States postal services in the same  
13 manner and under the same conditions as the de-  
14 partments and agencies of the United States.

15 (6) GIFTS.—No member or staff of the Com-  
16 mission may receive a gift or benefit by reason of  
17 the service of such member or staff to the Commis-  
18 sion.

19 (h) STAFF OF COMMISSION.—

20 (1) IN GENERAL.—(A) The co-chairs of the  
21 Commission, in accordance with rules agreed upon  
22 by the Commission, shall appoint and fix the com-  
23 pensation of a staff director and such other per-  
24 sonnel as may be necessary to enable the Commis-  
25 sion to carry out its duties, without regard to the

1 provisions of title 5, United States Code, governing  
2 appointments in the competitive service, and without  
3 regard to the provisions of chapter 51 and sub-  
4 chapter III of chapter 53 of such title relating to  
5 classification and General Schedule pay rates, except  
6 that no rate of pay fixed under this subsection may  
7 exceed the equivalent of that payable to a person oc-  
8 cupying a position at level V of the Executive Sched-  
9 ule under section 5316 of such title.

10 (B) Any Federal Government employee may be  
11 detailed to the Commission without reimbursement  
12 from the Commission, and such detailee shall retain  
13 the rights, status, and privileges of his or her reg-  
14 ular employment without interruption.

15 (C) All staff of the Commission shall possess a  
16 security clearance in accordance with applicable laws  
17 and regulations concerning the handling of classified  
18 information.

19 (2) CONSULTANT SERVICES.—(A) The Commis-  
20 sion may procure the services of experts and consult-  
21 ants in accordance with section 3109 of title 5,  
22 United States Code, but at rates not to exceed the  
23 daily rate paid a person occupying a position at level  
24 IV of the Executive Schedule under section 5315 of  
25 such title.

1           (B) All experts and consultants employed by  
2           the Commission shall possess a security clearance in  
3           accordance with applicable laws and regulations con-  
4           cerning the handling of classified information.

5           (i) COMPENSATION AND TRAVEL EXPENSES.—

6           (1) COMPENSATION.—(A) Except as provided  
7           in paragraph (2), each member of the Commission  
8           may be compensated at not to exceed the daily  
9           equivalent of the annual rate of basic pay in effect  
10          for a position at level IV of the Executive Schedule  
11          under section 5315 of title 5, United States Code,  
12          for each day during which that member is engaged  
13          in the actual performance of the duties of the Com-  
14          mission under this title.

15          (B) Members of the Commission who are offi-  
16          cers or employees of the United States or Members  
17          of Congress shall receive no additional pay by reason  
18          of their service on the Commission.

19          (2) TRAVEL EXPENSES.—While away from  
20          their homes or regular places of business in the per-  
21          formance of services for the Commission, members  
22          of the Commission may be allowed travel expenses,  
23          including per diem in lieu of subsistence, in the  
24          same manner as persons employed intermittently in

1 the Government service are allowed expenses under  
2 section 5703 of title 5, United States Code.

3 (j) TREATMENT OF INFORMATION RELATING TO NA-  
4 TIONAL SECURITY.—

5 (1) IN GENERAL.—(A) The Director of Na-  
6 tional Intelligence shall assume responsibility for the  
7 handling and disposition of any information related  
8 to the national security of the United States that is  
9 received, considered, or used by the Commission  
10 under this title.

11 (B) Any information related to the national se-  
12 curity of the United States that is provided to the  
13 Commission by a congressional intelligence commit-  
14 tees or the congressional armed services committees  
15 may not be further provided or released without the  
16 approval of the chairman of such committees.

17 (2) ACCESS AFTER TERMINATION OF COMMIS-  
18 SION.—Notwithstanding any other provision of law,  
19 after the termination of the Commission under sub-  
20 section (k)(2), only the members and designated  
21 staff of the congressional intelligence committees,  
22 the Director of National Intelligence (and the des-  
23 ignees of the Director), and such other officials of  
24 the executive branch as the President may designate  
25 shall have access to information related to the na-

1 tional security of the United States that is received,  
2 considered, or used by the Commission.

3 (k) FINAL REPORT; TERMINATION.—

4 (1) FINAL REPORT.—Not later than September  
5 1, 2019, the Commission shall submit to the con-  
6 gressional defense committees, the congressional in-  
7 telligence committees, the Committee on Homeland  
8 Security of the House of Representatives, the Com-  
9 mittee on Homeland Security and Governmental Af-  
10 fairs of the Senate, the Director of National Intel-  
11 ligence, and the Secretary of Defense, and the Sec-  
12 retary of Homeland Security a final report on the  
13 findings of the Commission.

14 (2) TERMINATION.—(A) The Commission, and  
15 all the authorities of this section, shall terminate at  
16 the end of the 120-day period beginning on the date  
17 on which the final report under paragraph (1) is  
18 submitted to the congressional defense and intel-  
19 ligence committees.

20 (B) The Commission may use the 120-day pe-  
21 riod referred to in paragraph (1) for the purposes of  
22 concluding its activities, including providing testi-  
23 mony to Congress concerning the final report re-  
24 ferred to in that paragraph and disseminating the  
25 report.

1           (l) ASSESSMENTS OF FINAL REPORT.—Not later  
2 than 60 days after receipt of the final report under sub-  
3 section (k)(1), the Director of National Intelligence, the  
4 Secretary of Defense, and the Secretary of Homeland Se-  
5 curity shall each submit to the congressional intelligence  
6 committees and the congressional defense committees an  
7 assessment by the Director or the Secretary, as the case  
8 may be, of the final report. Each assessment shall include  
9 such comments on the findings and recommendations con-  
10 tained in the final report as the Director or Secretary, as  
11 the case may be, considers appropriate.

12           (m) INAPPLICABILITY OF CERTAIN ADMINISTRATIVE  
13 PROVISIONS.—

14               (1) FEDERAL ADVISORY COMMITTEE ACT.—The  
15 provisions of the Federal Advisory Committee Act (5  
16 U.S.C. App.) shall not apply to the activities of the  
17 Commission under this section.

18               (2) FREEDOM OF INFORMATION ACT.—The pro-  
19 visions of section 552 of title 5, United States Code  
20 (commonly referred to as the Freedom of Informa-  
21 tion Act), shall not apply to the activities, records,  
22 and proceedings of the Commission under this sec-  
23 tion.

24           (n) FUNDING.—

1           (1) AUTHORIZATION OF APPROPRIATIONS.—Of  
2           the amount authorized to be appropriated for fiscal  
3           year 2019 by this Act, as specified in the funding  
4           tables in division D, \$4,000,000 may be used to  
5           carry out this section.

6           (2) AVAILABILITY IN GENERAL.—Subject to  
7           paragraph (1), the Secretary of Defense shall make  
8           available to the Commission such amounts as the  
9           Commission may require for purposes of the activi-  
10          ties of the Commission under this section.

11          (3) DURATION OF AVAILABILITY.—Amounts  
12          made available to the Commission under paragraph  
13          (2) shall remain available until expended.

14          (o) CONGRESSIONAL INTELLIGENCE COMMITTEES  
15          DEFINED.—In this section, the term “congressional intel-  
16          ligence committees” means—

17                (1) the Select Committee on Intelligence of the  
18                Senate; and

19                (2) the Permanent Select Committee on Intel-  
20                ligence of the House of Representatives.

21          **SEC. 1653. STUDY AND REPORT ON RESERVE COMPONENT**  
22                                **CYBER CIVIL SUPPORT TEAMS.**

23          (a) STUDY REQUIRED.—The Secretaries concerned  
24          shall conduct a study on the feasibility and advisability

1 of the establishment of reserve component cyber civil sup-  
2 port teams for each State.

3 (b) ELEMENTS.—The study under subsection (a)  
4 shall include the following:

5 (1) An examination of the potential ability of  
6 the teams referred to in such subsection to respond  
7 to an attack, natural disaster, or other large-scale  
8 incident affecting computer networks, electronics, or  
9 cyber capabilities, including an analysis of the fol-  
10 lowing:

11 (A) The command structure and lines of  
12 authority for such teams.

13 (B) The operational capabilities of such  
14 teams.

15 (C) The legal authorities available to and  
16 constraints placed on such teams.

17 (D) The amount of funding and other re-  
18 sources that would be required by the Depart-  
19 ment of Defense to organize, train, and equip  
20 such teams.

21 (2) An analysis of the current use of reserve  
22 and active duty components in the Department of  
23 Defense and an explanation of how the establish-  
24 ment of such teams may affect the ability of the De-  
25 partment of Defense to—

1 (A) organize, train, equip, and employ the  
2 Cyber Mission Force, and other organic cyber  
3 forces; and

4 (B) perform the national defense missions  
5 and defense support to civil authorities for  
6 cyber incident response.

7 (3) An explanation of how the establishment of  
8 such teams may affect the ability of the Department  
9 of Homeland Security to—

10 (A) organize, train, equip, and employ  
11 cyber incident response teams; and

12 (B) perform civilian cyber response mis-  
13 sions.

14 (4) An explanation as to how the establishment  
15 of such teams would fit into the current missions of  
16 the Department of Defense and the Department of  
17 Homeland Security.

18 (5) An analysis of current and projected State  
19 civilian and private sector cyber response capabilities  
20 and services, including an identification of any gaps  
21 in such capabilities and services, and including an  
22 analysis of the following:

23 (A) Whether such teams would be, on a  
24 risk- and cost-adjusted basis, of use for each  
25 State.

1 (B) How the establishment of such teams  
2 may impact Federal, State, and private sector  
3 resourcing for State civilian and private sector  
4 cyber response capabilities and services.

5 (6) An identification of the potential role of  
6 such teams with respect to the principles and proc-  
7 esses set forth in—

8 (A) Presidential Policy Directive 20  
9 (United States Cyber Operations Policy);

10 (B) Presidential Policy Directive 21 (Crit-  
11 ical Infrastructure Security and Resilience); and

12 (C) Presidential Policy Directive 41  
13 (United States Cyber Incident Coordination).

14 (7) An explanation of how such teams may  
15 interact with other organizations and elements of the  
16 Federal Government that have responsibilities under  
17 the Presidential Policy Directives referred to in  
18 paragraph (6).

19 (8) Any effects on the privacy and civil liberties  
20 of United States persons that may result from the  
21 establishment of such teams.

22 (9) Any other considerations determined to be  
23 relevant by the Secretaries concerned.

24 (c) REPORT REQUIRED.—Not later than 180 days  
25 after the date of the enactment of this Act, the Secretaries

1 concerned shall submit to the appropriate congressional  
2 committees a report that includes—

3 (1) the results of the study conducted under  
4 subsection (a), including an explanation of each ele-  
5 ment described in subsection (b); and

6 (2) the final determination of the Secretaries  
7 with respect to the feasibility and advisability of es-  
8 tablishing reserve component cyber civil support  
9 teams for each State.

10 (d) DEFINITIONS.—In this section:

11 (1) The term “appropriate congressional com-  
12 mittees” means—

13 (A) the congressional defense committees;

14 (B) the Committee on Homeland Security  
15 of the House of Representatives; and

16 (C) the Committee on Homeland Security  
17 and Governmental Affairs of the Senate.

18 (2) The term “reserve component cyber civil  
19 support team” means a team that—

20 (A) is comprised of members of the reserve  
21 components;

22 (B) is organized, trained, equipped, and  
23 sustained by the Department of Defense for the  
24 purpose of assisting State authorities in pre-

1           paring for and responding to cyber incidents,  
2           cyber emergencies, and cyber attacks; and

3                   (C) operates principally under the com-  
4           mand and control of the Chief Executive of the  
5           State in which the team is located.

6           (3) The term “Secretaries concerned” means  
7           the Secretary of Defense and the Secretary of  
8           Homeland Security acting jointly.

9           (4) The term “State” means each of the several  
10          States, the District of Columbia, the Commonwealth  
11          of Puerto Rico, and the United States Virgin Is-  
12          lands.

13 **SEC. 1654. IDENTIFICATION OF COUNTRIES OF CONCERN**  
14                   **REGARDING CYBERSECURITY.**

15          (a) IDENTIFICATION OF COUNTRIES OF CONCERN.—

16 Not later than 180 days after the date of the enactment  
17 of this Act, the Secretary of Defense shall create a list  
18 of countries that pose a risk to the cybersecurity of United  
19 States defense and national security systems and infra-  
20 structure. Such list shall reflect the level of threat posed  
21 by each country included on such list. In creating such  
22 list, the Secretary shall take in to account the following:

23                   (1) A foreign government’s activities that pose  
24           force protection or cybersecurity risk to the per-  
25           sonnel, financial systems, critical infrastructure, or

1 information systems of the United States or coali-  
2 tion forces.

3 (2) A foreign government's willingness and  
4 record of providing financing, logistics, training or  
5 intelligence to other persons, countries or entities  
6 posing a force protection or cybersecurity risk to the  
7 personnel, financial systems, critical infrastructure,  
8 or information systems of the United States or coali-  
9 tion forces.

10 (3) A foreign government's engagement in for-  
11 eign intelligence activities against the United States  
12 for the purpose of undermining United States na-  
13 tional security.

14 (4) A foreign government's knowing participa-  
15 tion in transnational organized crime or criminal ac-  
16 tivity.

17 (5) A foreign government's cyber activities and  
18 operations to affect the supply chain of the United  
19 States Government.

20 (6) A foreign government's use of cyber means  
21 to unlawfully or inappropriately obtain intellectual  
22 property from the United States Government or  
23 United States persons.

1 (b) UPDATES.—The Secretary shall continuously up-  
2 date and maintain the list under subsection (a) to preempt  
3 obsolescence.

4 (c) REPORT TO CONGRESS.—Not later than one year  
5 after the date of the enactment of this Act, the Secretary  
6 shall submit to the appropriate committees of Congress  
7 the list created pursuant to subsection (a) and any accom-  
8 panying analysis that contributed to the creation of the  
9 list.

10 **SEC. 1655. MITIGATION OF RISKS TO NATIONAL SECURITY**  
11 **POSED BY PROVIDERS OF INFORMATION**  
12 **TECHNOLOGY PRODUCTS AND SERVICES**  
13 **WHO HAVE OBLIGATIONS TO FOREIGN GOV-**  
14 **ERNMENTS.**

15 (a) DISCLOSURE REQUIRED.—Subject to the regula-  
16 tions issued under subsection (b), the Department of De-  
17 fense may not use a product, service, or system procured  
18 or acquired after the date of the enactment of this Act  
19 relating to information or operational technology, cyberse-  
20 curity, an industrial control system, or weapons system  
21 provided by a person unless that person discloses to the  
22 Secretary of Defense the following:

23 (1) Whether, and if so, when, within five years  
24 before or at any time after the date of the enact-  
25 ment of this Act, the person has allowed a foreign

1 government to review the code of a non-commercial  
2 product, system, or service developed for the Depart-  
3 ment, or whether the person is under any obligation  
4 to allow a foreign person or government to review  
5 the code of a non-commercial product, system, or  
6 service developed for the Department as a condition  
7 of entering into an agreement for sale or other  
8 transaction with a foreign government or with a for-  
9 eign person on behalf of such a government.

10 (2) Whether, and if so, when, within five years  
11 before or at any time after the date of the enact-  
12 ment of this Act, the person has allowed a foreign  
13 government listed in section 1654 to review the  
14 source code of a product, system, or service that the  
15 Department is using or intends to use, or is under  
16 any obligation to allow a foreign person or govern-  
17 ment to review the source code of a product, system,  
18 or service that the Department is using or intends  
19 to use as a condition of entering into an agreement  
20 for sale or other transaction with a foreign govern-  
21 ment or with a foreign person on behalf of such a  
22 government.

23 (3) Whether or not the person holds or has  
24 sought a license pursuant to the Export Administra-  
25 tion Regulations under subchapter C of chapter VII

1 of title 15, Code of Federal Regulations, the Inter-  
2 national Traffic in Arms Regulations under sub-  
3 chapter M of chapter I of title 22, Code of Federal  
4 Regulations, or successor regulations, for informa-  
5 tion technology products, components, software, or  
6 services that contain code custom-developed for the  
7 non-commercial product, system, or service the De-  
8 partment is using or intends to use.

9 (b) REGULATIONS.—

10 (1) IN GENERAL.—The Secretary of Defense  
11 shall issue regulations regarding the implementation  
12 of subsection (a).

13 (2) UNIFORM REVIEW PROCESS.—If informa-  
14 tion obtained from a person under subsection (a) or  
15 the contents of the registry under subsection (f) are  
16 the subject of a request under section 552 of title  
17 5, United States Code (commonly referred to as the  
18 “Freedom of Information Act”), the Secretary of  
19 Defense shall conduct a uniform review process,  
20 without regard to the office holding the information,  
21 to determine if the information is exempt from dis-  
22 closure under such section 552.

23 (c) PROCUREMENT.—Procurement contracts for cov-  
24 ered products or systems shall include a clause requiring  
25 the information contained in subsection (a) be disclosed

1 during the period of the contract if an entity becomes  
2 aware of information requiring disclosure required pursu-  
3 ant to such subsection, including any mitigation measures  
4 taken or anticipated.

5 (d) MITIGATION OF RISKS.—

6 (1) IN GENERAL.—If, after reviewing a disclo-  
7 sure made by a person under subsection (a), the  
8 Secretary determines that the disclosure relating to  
9 a product, system, or service entails a risk to the na-  
10 tional security infrastructure or data of the United  
11 States, or any national security system under the  
12 control of the Department, the Secretary shall take  
13 such measures as the Secretary considers appro-  
14 priate to mitigate such risks, including, as the Sec-  
15 retary considers appropriate, by conditioning any  
16 agreement for the use, procurement, or acquisition  
17 of the product, system, or service on the inclusion of  
18 enforceable conditions or requirements that would  
19 mitigate such risks.

20 (2) THIRD-PARTY TESTING STANDARD.—Not  
21 later than two years after the date of the enactment  
22 of this Act the Secretary shall develop such third-  
23 party testing standard as the Secretary considers ac-  
24 ceptable for commercial off the shelf (COTS) prod-

1       ucts, systems, or services to use when dealing with  
2       foreign governments.

3       (e) EXEMPTION OF OPEN SOURCE SOFTWARE.—This  
4       section shall not apply to open source software.

5       (f) ESTABLISHMENT OF REGISTRY.—Not later than  
6       one year after the date of the enactment of this Act, the  
7       Secretary of Defense shall—

8               (1) establish within the operational capabilities  
9               of the Committee for National Security Systems  
10              (CNSS) or within such other agency as the Sec-  
11              retary considers appropriate a registry containing  
12              the information disclosed under subsection (a); and

13              (2) upon request, make such information avail-  
14              able to any agency conducting a procurement pursu-  
15              ant to the Federal Acquisition Regulations or the  
16              Defense Federal Acquisition Regulations.

17       (g) ANNUAL REPORTS.—Not later than one year  
18       after the date of the enactment of this Act and not less  
19       frequently than once each year thereafter, the Secretary  
20       of Defense shall submit to the appropriate committees of  
21       Congress a report detailing the number, scope, product  
22       classifications, and mitigation agreements related to each  
23       product, system, and service for which a disclosure is  
24       made under subsection (a).

25       (h) DEFINITIONS.—In this section:

1           (1) APPROPRIATE COMMITTEES OF CONGRESS  
2       DEFINED.—The term “appropriate committees of  
3       Congress” means—

4           (A) the Committee on Armed Services, the  
5       Select Committee on Intelligence, and the Com-  
6       mittee on Homeland Security and Govern-  
7       mental Affairs of the Senate; and

8           (B) the Committee on Armed Services, the  
9       Permanent Select Committee on Intelligence,  
10      the Committee on Homeland Security, and the  
11      Committee on Oversight and Government Re-  
12      form of the House of Representatives.

13          (2) COMMERCIAL ITEM.—The term “commer-  
14      cial item” has the meaning given such term in sec-  
15      tion 103 of title 41, United States Code.

16          (3) INFORMATION TECHNOLOGY.—The term  
17      “information technology” has the meaning given  
18      such term in section 11101 of title 40, United  
19      States Code.

20          (4) NATIONAL SECURITY SYSTEM.—The term  
21      “national security system” has the meaning given  
22      such term in section 3552(b) of title 44, United  
23      States Code.

24          (5) NON-COMMERCIAL PRODUCT, SYSTEM, OR  
25      SERVICE.—The term “non-commercial product, sys-



1 benefits, technical merits, and other merits of applying the  
2 technologies described in subsection (c) to the vulnerability  
3 assessment and remediation of the following systems:

4 (1) Nuclear systems and nuclear command and  
5 control.

6 (2) A critical subset of conventional power pro-  
7 jection capabilities.

8 (3) Cyber command and control.

9 (4) Other defense critical infrastructure.

10 (b) BASIS FOR CONDUCT OF STUDY.—The study re-  
11 quired for purposes of subsection (a) shall be conducted  
12 pursuant to the following:

13 (1) Section 1640 of the National Defense Au-  
14 thorization Act for Fiscal Year 2018 (Public Law  
15 115–91).

16 (2) Section 1650 of the National Defense Au-  
17 thorization Act for Fiscal Year 2017 (10 U.S.C.  
18 2224 note).

19 (3) Section 1647 of the National Defense Au-  
20 thorization Act for Fiscal Year 2016 (Public Law  
21 114–92; 129 Stat. 1118).

22 (4) Section 937 of the National Defense Au-  
23 thorization Act for Fiscal Year 2014 (Public Law  
24 113–66; 10 U.S.C. 2224 note).

1 (c) TECHNOLOGIES.—The technologies described in  
2 this subsection include the following:

3 (1) Technology acquired, developed, and used  
4 by Combat Support Agencies of the Department of  
5 Defense to discover flaws and weaknesses in soft-  
6 ware code by inputting immense quantities of pseu-  
7 do-random data (commonly referred to as “fuzz”) to  
8 identify inputs that cause the software to fail or de-  
9 grade.

10 (2) Cloud-based software fuzzing-as-a-service to  
11 continuously test the security of Department of De-  
12 fense software repositories at large scale.

13 (3) Formal programming and protocol language  
14 for software code development and other methods  
15 and tools developed under various programs such as  
16 the High Assurance Cyber Military Systems pro-  
17 gram of the Defense Advanced Research Projects  
18 Agency.

19 (4) The binary analysis and symbolic execution  
20 software security tools developed under the Cyber  
21 Grand Challenge of the Defense Advanced Research  
22 Projects Agency.

23 (5) Any other advanced or immature tech-  
24 nologies with respect to which the Department of  
25 Defense determines there is particular potential for

1 application to the vulnerability assessment and re-  
2 mediation of the systems specified in subsection (a).

3 **Subtitle D—Nuclear Forces**

4 **SEC. 1661. UNDER SECRETARY OF DEFENSE FOR RE-**  
5 **SEARCH AND ENGINEERING AND THE NU-**  
6 **CLEAR WEAPONS COUNCIL.**

7 Section 179(a) of title 10, United States Code, is  
8 amended—

9 (1) in paragraph (1), by striking “, Technology,  
10 and Logistics” and inserting “and Sustainment”;

11 (2) by redesignating paragraphs (4) and (5) as  
12 paragraphs (5) and (6), respectively; and

13 (3) by inserting after paragraph (3) the fol-  
14 lowing new paragraph (4):

15 “(4) The Under Secretary of Defense for Re-  
16 search and Engineering.”.

17 **SEC. 1662. LONG-RANGE STANDOFF WEAPON REQUIRE-**  
18 **MENTS.**

19 Subparagraphs (A) and (B) of section 217(a)(1) of  
20 the National Defense Authorization Act for Fiscal Year  
21 2014 (Public Law 113–66; 127 Stat. 706) are amended  
22 to read as follows:

23 “(A) achieves initial operating capability  
24 for nuclear missions prior to the retirement of  
25 the nuclear-armed AGM–86;

1           “(B) achieves initial operating capability  
2           for conventional missions by not later than five  
3           years after the date of the achievement under  
4           subparagraph (A); and”.

5 **SEC. 1663. ACCELERATION OF GROUND-BASED STRATEGIC**  
6           **DETERRENT PROGRAM AND LONG-RANGE**  
7           **STANDOFF WEAPON PROGRAM.**

8           (a) **PLAN FOR ACCELERATION OF PROGRAMS.**—Con-  
9           sistent with validated military requirements and in accord-  
10          ance with applicable provisions of Federal law regarding  
11          acquisition, the Under Secretary of Defense for Acquisi-  
12          tion and Sustainment, in consultation with the Secretary  
13          of the Air Force, shall develop and implement—

14               (1) a plan to accelerate the development, pro-  
15               curement, and fielding of the ground-based strategic  
16               deterrent program; and

17               (2) a plan to accelerate the development, pro-  
18               curement, and fielding of the long-range standoff  
19               weapon.

20          (b) **CRITERIA.**—The plans developed under sub-  
21          section (a) shall meet the following criteria:

22               (1) With respect to the plan developed under  
23               paragraph (1) of such subsection, the plan shall en-  
24               sure that the ground-based strategic deterrent pro-  
25               gram includes the recapitalization of the full inter-

1 continental ballistic missile weapon system for 400  
2 deployed missiles and associated spares and 450  
3 launch facilities, without phasing or splitting the  
4 program, including with respect to the missile flight  
5 system, ground-based infrastructure and equipment,  
6 appropriate command and control elements.

7 (2) The plans shall include a comprehensive as-  
8 sessment of the benefits, risks, feasibility, costs, and  
9 cost savings of various options for accelerating the  
10 respective program covered by the plan, including by  
11 considering—

12 (A) accelerating—

13 (i) the technology maturation and risk  
14 reduction phase, including through the  
15 identification of low- and high- technology  
16 readiness levels, requirements, and  
17 timelines for maturing such technology;

18 (ii) the award of an engineering and  
19 manufacturing development contract; and

20 (iii) making the milestone B decision;

21 (B) transitioning full acquisition authority,  
22 responsibility, and accountability of the respec-  
23 tive program to the Secretary of the Air Force,  
24 including milestone decision authority;

1 (C) providing a general officer-level pro-  
2 gram executive officer a dedicated, single-pro-  
3 gram, long-term assignment with a tailored ac-  
4 quisition approach, program strategy, and over-  
5 sight model for the respective program that em-  
6 powers the general officer to accelerate the pro-  
7 gram, make decisions, and be held accountable;

8 (D) streamlining, as appropriate, test and  
9 evaluation activities for the respective program,  
10 particularly for proven technologies, while en-  
11 suring high confidence in the final deployed sys-  
12 tem;

13 (E) leveraging agile software development  
14 or other innovative approaches to reduce time-  
15 frames for software development;

16 (F) identifying and proposing statutory  
17 changes that the Under Secretary or the Sec-  
18 retary of the Air Force determine could accel-  
19 erate the respective program;

20 (G) identifying accelerated goals for initial  
21 operational capability and full operational capa-  
22 bility for the respective program; and

23 (H) such other options as the Under Sec-  
24 retary or the Secretary of the Air Force con-  
25 sider appropriate.

1 (c) SUBMISSION.—Not later than 120 days after the  
2 date of the enactment of this Act, the Under Secretary,  
3 in consultation with the Secretary of the Air Force, shall  
4 submit to the congressional defense committees the plans  
5 developed under subsection (a), including an assessment  
6 of the options considered and the options selected to be  
7 implemented under the plans.

8 (d) BRIEFING.—Not later than 160 days after the  
9 date of the enactment of this Act, the Commander of the  
10 United States Strategic Command shall provide to the  
11 congressional defense committees a briefing on the views  
12 of the Commander with respect to the plans developed  
13 under subsection (a).

14 (e) DEFINITIONS.—In this section:

15 (1) The term “milestone B decision” has the  
16 meaning given that term in section 2400(a) of title  
17 10, United States Code.

18 (2) The term “milestone decision authority”  
19 has the meaning given that term in section 2366a(d)  
20 of title 10, United States Code.

21 **SEC. 1664. PROCUREMENT AUTHORITY FOR CERTAIN**  
22 **PARTS OF INTERCONTINENTAL BALLISTIC**  
23 **MISSILE FUZES.**

24 (a) AVAILABILITY OF FUNDS.—Notwithstanding sec-  
25 tion 1502(a) of title 31, United States Code, of the

1 amount authorized to be appropriated for fiscal year 2019  
2 by section 101 and available for Missile Procurement, Air  
3 Force, as specified in the funding table in division D,  
4 \$9,841,000 shall be available for the procurement of cov-  
5 ered parts pursuant to contracts entered into under sec-  
6 tion 1645(a) of the Carl Levin and Howard P. “Buck”  
7 McKeon National Defense Authorization Act for Fiscal  
8 Year 2015 (Public Law 113–291; 128 Stat. 3651).

9 (b) COVERED PARTS DEFINED.—In this section, the  
10 term “covered parts” means commercially available off-  
11 the-shelf items as defined in section 104 of title 41, United  
12 States Code.

13 **SEC. 1665. PROHIBITION ON REDUCTION OF THE INTER-**  
14 **CONTINENTAL BALLISTIC MISSILES OF THE**  
15 **UNITED STATES.**

16 (a) PROHIBITION.—Except as provided by subsection  
17 (b), none of the funds authorized to be appropriated by  
18 this Act or otherwise made available for fiscal year 2019  
19 for the Department of Defense shall be obligated or ex-  
20 pended for—

21 (1) reducing, or preparing to reduce, the re-  
22 sponsiveness or alert level of the intercontinental  
23 ballistic missiles of the United States; or



1 Nuclear Security, shall jointly establish an exchange pro-  
2 gram under which—

3           (1) the Chairman shall arrange for the tem-  
4 porary assignment of civilian and military personnel  
5 working on nuclear weapons policy, production, and  
6 force structure issues in the Office of the Secretary  
7 of Defense, the Joint Staff, the Navy, or the Air  
8 Force to the Office of the Deputy Administrator for  
9 Defense Programs in the National Nuclear Security  
10 Administration; and

11           (2) the Administrator shall arrange for the tem-  
12 porary assignment of civilian personnel working on  
13 programs related to nuclear weapons in the Office of  
14 the Deputy Administrator for Defense Programs to  
15 the elements of the Department of Defense specified  
16 in paragraph (1).

17           (b) PURPOSES.—The purposes of the exchange pro-  
18 gram established under subsection (a) are—

19           (1) to familiarize personnel from the Depart-  
20 ment of Defense and the National Nuclear Security  
21 Administration with the equities, priorities, proc-  
22 esses, culture, and employees of the other agency;

23           (2) for participants in the exchange program to  
24 return the expertise gained through their exchanges

1 to their original agencies at the conclusion of their  
2 exchanges; and

3 (3) to improve communication between and in-  
4 tegration of the agencies that support the formation  
5 and oversight of nuclear weapons policy through  
6 lasting relationships across the chain of command.

7 (c) PARTICIPANTS.—

8 (1) NUMBER OF PARTICIPANTS.—The Chair-  
9 man and the Administrator shall each select not  
10 fewer than five and not more than 10 participants  
11 per year for participation in the exchange program  
12 established under subsection (a). The Chairman and  
13 the Administrator may determine how many partici-  
14 pants to select under this paragraph without regard  
15 to the number of participants selected from the  
16 other agency.

17 (2) CRITERIA FOR SELECTION.—

18 (A) IN GENERAL.—The Chairman and the  
19 Administrator shall select participants for the  
20 exchange program established under subsection  
21 (a) from among mid-career employees and  
22 based on—

23 (i) the qualifications and desire to  
24 participate in the program of the employee;  
25 and

1 (ii) the technical needs and capacities  
2 of the Department of Defense and the Na-  
3 tional Nuclear Security Administration, as  
4 applicable.

5 (B) DEPARTMENT OF DEFENSE.—In se-  
6 lecting participants from the Department of  
7 Defense for the exchange program established  
8 under subsection (a), the Chairman shall ensure  
9 that there is a mix of military personnel and ci-  
10 vilian employees of the Department.

11 (d) TERMS.—Exchanges pursuant to the exchange  
12 program established under subsection (a) shall be for  
13 terms of one to two years, as determined and negotiated  
14 by the Chairman and the Administrator. Such terms may  
15 begin and end on a rolling basis.

16 (e) GUIDANCE AND IMPLEMENTATION.—

17 (1) GUIDANCE.—Not later than 90 days after  
18 the date of the enactment of this Act, the Chairman  
19 and the Administrator shall jointly develop and sub-  
20 mit to the congressional defense committees interim  
21 guidance on the form and contours of the exchange  
22 program established under subsection (a).

23 (2) IMPLEMENTATION.—Not later than 180  
24 days after the date of the enactment of this Act, the

1 Chairman and the Administrator shall implement  
2 the guidance developed under paragraph (1).

3 **SEC. 1668. PLAN TO TRAIN OFFICERS IN NUCLEAR COM-**  
4 **MAND, CONTROL, AND COMMUNICATIONS.**

5 (a) IN GENERAL.—The Secretary of Defense, in con-  
6 sultation with the Secretary of the Air Force, the Sec-  
7 retary of the Navy, the Chairman of the Joint Chiefs of  
8 Staff, and the Commander of the United States Strategic  
9 Command, shall develop a plan to train, educate, manage,  
10 and track officers of the Armed Forces in nuclear com-  
11 mand, control, and communications.

12 (b) ELEMENTS.—The plan required by subsection (a)  
13 shall address—

- 14 (1) manpower requirements at various grades;  
15 (2) desired career paths and promotion timing;  
16 and  
17 (3) any other matters the Secretary of Defense  
18 considers relevant to develop a mature cadre of offi-  
19 cers with nuclear command, control, and commu-  
20 nications expertise.

21 (c) SUBMISSION OF PLAN.—Not later than 180 days  
22 after the date of the enactment of this Act, the Secretary  
23 of Defense shall submit to the Committees on Armed Serv-  
24 ices of the Senate and the House of Representatives the  
25 plan required by subsection (a).

1 (d) IMPLEMENTATION.—Not later than 18 months  
2 after the date of the enactment of this Act, the Secretary  
3 of Defense shall implement the plan required by sub-  
4 section (a).

5 **SEC. 1669. INDEPENDENT STUDY ON OPTIONS TO IN-**  
6 **CREASE PRESIDENTIAL DECISION-TIME RE-**  
7 **GARDING NUCLEAR WEAPONS EMPLOYMENT.**

8 (a) INDEPENDENT STUDY.—Not later than 30 days  
9 after the date of the enactment of this Act, the Secretary  
10 of Defense shall seek to enter into a contract with a feder-  
11 ally funded research and development center to conduct  
12 a study on the potential benefits and risks of options to  
13 increase the time the President has to make a decision  
14 regarding the employment of nuclear weapons.

15 (b) REPORTS.—

16 (1) SUBMISSION TO DOD.—Not later than 270  
17 days after the date of the enactment of this Act, the  
18 federally funded research and development center  
19 shall submit to the Secretary a report containing the  
20 study conducted under subsection (a). Such report  
21 shall include the findings and recommendations of  
22 the center.

23 (2) SUBMISSION TO CONGRESS.—Not later than  
24 30 days after the date on which the Secretary re-  
25 ceives the report under paragraph (1), the Secretary

1 shall submit to the congressional defense committees  
2 such report, without change, and any comments of  
3 the Secretary with respect to such report.

4 (3) FORM.—The reports under paragraphs (1)  
5 and (2) shall be submitted in unclassified form, but  
6 may include a classified annex.

7 **SEC. 1670. EXTENSION OF ANNUAL REPORT ON PLAN FOR**  
8 **THE NUCLEAR WEAPONS STOCKPILE, NU-**  
9 **CLEAR WEAPONS COMPLEX, NUCLEAR WEAP-**  
10 **ONS DELIVERY SYSTEMS, AND NUCLEAR**  
11 **WEAPONS COMMAND AND CONTROL SYSTEM.**

12 Section 1043 of the National Defense Authorization  
13 Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat.  
14 1576), as most recently amended by section 1665 of the  
15 National Defense Authorization Act for Fiscal Year 2018  
16 (Public Law 115–91), is further amended in subsection  
17 (a)(1) by striking “2019” and inserting “2023”.

18 **SEC. 1671. PLAN FOR ALIGNMENT OF ACQUISITION OF**  
19 **WARHEAD LIFE EXTENSION PROGRAMS AND**  
20 **DELIVERY VEHICLES FOR SUCH WARHEADS.**

21 Not later than February 15, 2019, the Chairman of  
22 the Nuclear Weapons Council established under section  
23 179 of title 10, United States Code, shall submit to the  
24 congressional defense committees a plan containing a pro-  
25 posal for better aligning the acquisition of warhead life

1 extension programs by the National Nuclear Security Ad-  
2 ministration with the acquisition of the planned delivery  
3 vehicles for such warheads by the Department of Defense.

4 **SEC. 1672. ANNUAL REPORT ON DEVELOPMENT OF LONG-**  
5 **RANGE STAND-OFF WEAPON.**

6 (a) REPORT REQUIRED.—Not later than February  
7 15, 2019, and annually thereafter until the date on which  
8 the long-range stand-off weapon receives Milestone B ap-  
9 proval (as defined in section 2366 of title 10, United  
10 States Code), the Secretary of the Air Force, in coordina-  
11 tion with the Administrator for Nuclear Security and the  
12 Chairman of the Nuclear Weapons Council, shall submit  
13 to the congressional defense committees a report describ-  
14 ing the joint development of the long-range stand-off  
15 weapon, including the missile developed by the Air Force  
16 and the W80–4 warhead life extension program conducted  
17 by the National Nuclear Security Administration.

18 (b) ELEMENTS.—The report under subsection (a)  
19 shall include the following:

20 (1) An estimate of the date on which the long-  
21 range stand-off weapon will reach initial operating  
22 capability.

23 (2) A description of any development milestones  
24 for the missile developed by the Air Force or the  
25 warhead developed by the National Nuclear Security

1 Administration that depend on corresponding  
2 progress at the other agency.

3 (3) A description of coordination efforts be-  
4 tween the Air Force and the National Nuclear Secu-  
5 rity Administration during the period covered by the  
6 report.

7 (4) A description of any schedule delays pro-  
8 jected by the Air Force or the National Nuclear Se-  
9 curity Administration and the anticipated effect such  
10 delays would have on the schedule of work of the  
11 other agency.

12 (5) Plans to mitigate the effects of any delays  
13 described in paragraph (4).

14 (6) A description of any ways, including  
15 through the availability of additional funding or au-  
16 thorities, in which the development milestones de-  
17 scribed in paragraph (2) or the estimated date of  
18 initial operating capability referred to in paragraph  
19 (1), could be achieved more quickly.

20 (7) An estimate of the acquisition costs for the  
21 long-range stand-off weapon.

22 (c) FORM.—The report required by subsection (a)  
23 shall be submitted in unclassified form, but may include  
24 a classified annex.

1 **SEC. 1673. SENSE OF CONGRESS ON NUCLEAR POSTURE OF**  
2 **THE UNITED STATES.**

3 It is the sense of Congress that—

4 (1) for more than 70 years the nuclear deter-  
5 rent of the United States has played, and will con-  
6 tinue to play, a central role in the national security  
7 of the United States and international stability;

8 (2) strong, credible, and flexible nuclear forces  
9 of the United States deter aggression by adversaries  
10 and assure the allies of the United States that the  
11 extended deterrence commitments of the United  
12 States are steadfast;

13 (3) the 2017 National Security Strategy, the  
14 2018 National Defense Strategy, and the 2018 Nu-  
15 clear Posture Review correctly assess changes in the  
16 security environment related to interstate strategic  
17 competition and recognize that the defense policies  
18 and posture of the United States, including those re-  
19 lated to nuclear forces, must undergo measured ad-  
20 justments;

21 (4) the United States remains committed to,  
22 and will continue to honor, its full range of nuclear  
23 arms control and nonproliferation treaty obligations  
24 and seeks continued engagement for prudent and  
25 verifiable agreements, however, the policies and ac-  
26 tions of the United States must also hold states that

1 violate such treaties accountable for such violations  
2 and take such violations into account when consid-  
3 ering further arms control agreements;

4 (5) the North Atlantic Treaty Organization  
5 (NATO) plays an essential role in the national secu-  
6 rity of the United States and NATO should continue  
7 to strengthen and align its nuclear and conventional  
8 deterrence posture, planning, and exercises to align  
9 with modern threats, including modernizing its dual-  
10 capable aircraft, command and control networks, nu-  
11 clear-related facilities, and conventional capabilities;

12 (6) the 2018 Nuclear Posture Review rightly  
13 states that the United States requires reliable, di-  
14 verse, and tailorable nuclear forces capable of re-  
15 sponding to a variety of current threats while pre-  
16 paring for future uncertainty and directs implemen-  
17 tation of a comprehensive nuclear modernization  
18 program at both the Department of Defense and the  
19 National Nuclear Security Administration; and

20 (7) the Department of Defense and the Na-  
21 tional Nuclear Security Administration must inte-  
22 grate, partner, and organize themselves to success-  
23 fully execute all aspects of the nuclear modernization  
24 program, including those regarding nuclear forces,

1 warheads, infrastructure, command and control, and  
2 personnel.

3 **Subtitle E—Missile Defense**  
4 **Programs**

5 **SEC. 1675. DEVELOPMENT OF PERSISTENT SPACE-BASED**  
6 **SENSOR ARCHITECTURE.**

7 (a) DEVELOPMENT REQUIRED.—Subsection (a) of  
8 section 1683 of the National Defense Authorization Act  
9 for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.  
10 2431 note) is amended by striking “If consistent with the  
11 direction or recommendations of the Ballistic Missile De-  
12 fense Review that commenced in 2017, the Director of the  
13 Missile Defense Agency” and inserting “Subject to the  
14 availability of appropriations, beginning fiscal year 2019,  
15 the Director of the Missile Defense Agency, in coordina-  
16 tion with the Commander of the Air Force Space Com-  
17 mand and the Commander of the United States Strategic  
18 Command,”.

19 (b) COMPATIBILITY WITH EFFORTS OF DEFENSE  
20 ADVANCED RESEARCH PROJECTS AGENCY.—Such section  
21 is amended—

22 (1) by redesignating subsections (e) and (f) as  
23 subsections (g) and (h), respectively; and

24 (2) by inserting after subsection (d) the fol-  
25 lowing new subsection (e):

1       “(e) COMPATIBILITY WITH EFFORTS OF DEFENSE  
2   ADVANCED RESEARCH PROJECTS AGENCY.—The Direc-  
3   tor shall ensure that the sensor architecture developed  
4   under subsection (a) is compatible with efforts of the De-  
5   fense Advanced Research Projects Agency relating to  
6   space-based sensors for missile defense.”.

7       (c) REPORT ON USE OF OTHER AUTHORITIES.—  
8   Such section is further amended by inserting after sub-  
9   section (e), as added by subsection (b) of this section, the  
10  following new subsection (f):

11       “(f) REPORT ON USE OF OTHER AUTHORITIES.—  
12  Not later than January 31, 2019, the Director shall sub-  
13  mit to the appropriate congressional committees a report  
14  on the options available to the Director to use other trans-  
15  actional authorities pursuant to section 2371 of title 10,  
16  United States Code, to accelerate the development and de-  
17  ployment of the sensor architecture required by subsection  
18  (a).”.

19       (d) PLAN.—

20           (1) LIMITATION.—Of the funds authorized to  
21   be appropriated by this Act or otherwise made avail-  
22   able for fiscal year 2019 for the Department of De-  
23   fense for the development of the space-based sensor  
24   architecture under subsection (a) of section 1683 of  
25   the National Defense Authorization Act for Fiscal

1 Year 2018 (Public Law 115–91; 10 U.S.C. 2431  
2 note), not more than 85 percent may be obligated or  
3 expended until the date on which the Director of the  
4 Missile Defense Agency submits the plan under sub-  
5 section (g) of such section, as redesignated by sub-  
6 section (b)(1) of this section.

7 (2) CLARIFICATION OF ROLES.—Section  
8 1683(g) of the National Defense Authorization Act  
9 for Fiscal Year 2018 (Public Law 115–91; 10  
10 U.S.C. 2431 note), as redesignated by subsection  
11 (b)(1) of this section, is amended by striking “the  
12 Director shall submit” and inserting “the Director,  
13 in coordination with the Commander of the Air  
14 Force Space Command and the Commander of the  
15 United States Strategic Command, shall submit”.

16 **SEC. 1676. BOOST PHASE BALLISTIC MISSILE DEFENSE.**

17 (a) DEVELOPMENT AND STUDY.—Section 1685 of  
18 the National Defense Authorization Act for Fiscal Year  
19 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is  
20 amended by adding at the end the following new sub-  
21 sections:

22 “(d) DEVELOPMENT.—

23 “(1) REQUIREMENT.—Subject to the avail-  
24 ability of appropriations, beginning fiscal year 2019,  
25 the Director of the Missile Defense Agency shall

1 carry out a program to develop boost phase intercept  
2 capabilities that—

3 “(A) are cost effective;

4 “(B) are air-launched, ship-based, or both;

5 and

6 “(C) include kinetic interceptors.

7 “(2) PARTNERSHIPS.—In developing kinetic  
8 boost phase intercept capabilities under paragraph  
9 (1), the Director may enter into partnerships with  
10 the Ministry of National Defense of the Republic of  
11 Korea or the Ministry of Defense of Japan, or both.

12 “(e) INDEPENDENT STUDY.—

13 “(1) REQUIREMENT.—The Secretary of De-  
14 fense shall seek to enter into an agreement with a  
15 federally funded research and development center to  
16 conduct a feasibility study on providing an initial or  
17 demonstrated boost phase capability using un-  
18 manned aerial vehicles and kinetic interceptors by  
19 December 31, 2021. Such study shall include, at a  
20 minimum, a review of the study published by the  
21 Science, Technology, and National Security Working  
22 Group of the Massachusetts Institute of Technology  
23 in 2017 titled ‘Airborne Patrol to Destroy DPRK  
24 ICBMs in Powered Flight’.

1           “(2) SUBMISSION.—Not later than July 31,  
2           2019, the Secretary shall submit to the congres-  
3           sional defense committees the study conducted under  
4           paragraph (1).”.

5           (b) MODIFICATION TO SENSE OF CONGRESS.—Sub-  
6           section (a) of such section is amended by striking “, if  
7           consistent with the direction or recommendations of the  
8           Ballistic Missile Defense Review that commenced in  
9           2017”.

10   **SEC. 1677. EXTENSION OF REQUIREMENT FOR REPORTS ON**  
11                           **UNFUNDED PRIORITIES OF MISSILE DE-**  
12                           **FENSE AGENCY.**

13           (a) IN GENERAL.—Section 1696 of the National De-  
14           fense Authorization Act for Fiscal Year 2017 (Public Law  
15           114–328; 130 Stat. 2638)—

16                   (1) is—

17                           (A) transferred to chapter 9 of title 10,  
18                   United States Code;

19                           (B) inserted after section 222a; and

20                           (C) redesignated as section 222b; and

21                   (2) is amended—

22                           (A) in subsection (a), by striking “for each  
23                   of fiscal years 2018 and 2019” and inserting  
24                   “for a fiscal year”; and

1 (B) in subsection (c)(3), by striking “the  
2 budget if” and all that follows through the pe-  
3 riod at the end and inserting “the budget if ad-  
4 ditional resources had been available for the  
5 budget to fund the program, activity, or mission  
6 requirement.”.

7 (b) CLERICAL AMENDMENTS.—

8 (1) SECTION HEADING.—Section 222b of title  
9 10, United States Code, as added by subsection (a),  
10 is amended—

11 (A) in the enumerator, by striking “SEC.”  
12 and inserting “§”; and

13 (B) by striking the section heading and in-  
14 serting “**Unfunded priorities of the Mis-**  
15 **sile Defense Agency: annual report**”.

16 (2) TABLE OF SECTIONS.—The table of sections  
17 at the beginning of chapter 9 of title 10, United  
18 States Code, is amended by inserting after the item  
19 relating to section 222a the following new item:

“222b. Unfunded priorities of the Missile Defense Agency: annual report.”.

20 **SEC. 1678. EXTENSION OF PROHIBITION RELATING TO MIS-**  
21 **SILE DEFENSE INFORMATION AND SYSTEMS.**

22 Section 130h(e) of title 10, United States Code, is  
23 amended by striking “January 1, 2019” and inserting  
24 “January 1, 2021”.

1 **SEC. 1679. MODIFICATION OF REQUIREMENT RELATING TO**  
2 **TRANSITION OF BALLISTIC MISSILE DEFENSE**  
3 **PROGRAMS TO MILITARY DEPARTMENTS.**

4 Section 1676(b)(2) of the National Defense Author-  
5 ization Act for Fiscal Year 2018 (Public Law 115–91; 10  
6 U.S.C. 2431 note) is amended by inserting “or equivalent  
7 approval” before the period at the end.

8 **SEC. 1680. MODIFICATION OF REQUIREMENT TO DEVELOP**  
9 **A SPACE-BASED BALLISTIC MISSILE INTER-**  
10 **CEPT LAYER.**

11 (a) DISSOCIATION WITH BALLISTIC MISSILE DE-  
12 FENSE REVIEW.—Subsection (a) of section 1688 of the  
13 National Defense Authorization Act for Fiscal Year 2018  
14 (Public Law 115–91; 10 U.S.C. 2431 note) is amended,  
15 in the matter before paragraph (1), by striking “If con-  
16 sistent” and all that follows through “the Director” and  
17 inserting “Subject to the availability of appropriations, the  
18 Director”.

19 (b) CONFORMING AMENDMENT.—Subsection (b) of  
20 such section is amended, in the matter before paragraph  
21 (1), by striking “If the Director carries out subsection (a),  
22 not later” and inserting “Not later”.

23 **SEC. 1681. IMPROVEMENTS TO ACQUISITION PROCESSES**  
24 **OF MISSILE DEFENSE AGENCY.**

25 (a) NOTIFICATION ON CHANGES TO NON-STANDARD  
26 ACQUISITION PROCESSES AND RESPONSIBILITIES.—

1           (1) LIMITATION.—None of the funds authorized  
2           to be appropriated by this Act or otherwise made  
3           available for fiscal year 2019 for the Secretary of  
4           Defense may be obligated or expended to change the  
5           non-standard acquisition processes and responsibil-  
6           ities described in paragraph (2) until—

7                   (A) the Secretary notifies the congressional  
8                   defense committees of such proposed change;  
9                   and

10                   (B) a period of 90 days has elapsed fol-  
11                   lowing the date of such notification.

12           (2) NON-STANDARD ACQUISITION PROCESSES  
13           AND RESPONSIBILITIES DESCRIBED.—The non-  
14           standard acquisition processes and responsibilities  
15           described in this paragraph are such processes and  
16           responsibilities described in—

17                   (A) the memorandum of the Secretary of  
18                   Defense titled “Missile Defense Program Direc-  
19                   tion” signed on January 2, 2002;

20                   (B) Department of Defense Directive  
21                   5134.09, as in effect on the date of the enact-  
22                   ment of this Act; and

23                   (C) United States Strategic Command In-  
24                   struction 583–3.

1 (b) INTEGRATED MASTER TEST PLAN INFORMA-  
2 TION.—Together with the release of each integrated mas-  
3 ter test plan of the Missile Defense Agency, and at the  
4 same time as each budget of the President is submitted  
5 to Congress under section 1105(a) of title 31, United  
6 States Code, the Director of the Missile Defense Agency  
7 shall make publicly available a version of each such plan  
8 that identifies the fiscal year and the fiscal quarter in  
9 which events under the plan will occur.

10 (c) MISSILE DEFENSE EXECUTIVE BOARD.—In addi-  
11 tion to the Under Secretary of Defense for Research and  
12 Engineering serving as chairman of the Missile Defense  
13 Executive Board pursuant to section 1676(c)(3)(B) of the  
14 National Defense Authorization Act for Fiscal Year 2018  
15 (Public Law 115–91; 131 Stat. 1773), the Under Sec-  
16 retary of Defense for Acquisition and Sustainment shall  
17 serve—

18 (1) as a member of the Board; and

19 (2) as co-chairman with respect to decisions re-  
20 garding acquisition and the approval of acquisition  
21 and production milestones, including with respect to  
22 the use of other transaction authority contracts and  
23 transactions in excess of \$500,000,000 (including all  
24 options).

1 **SEC. 1682. LAYERED DEFENSE OF THE UNITED STATES**  
2 **HOMELAND.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that the United States should—

5 (1) continue to explore and deploy capabilities  
6 that increase the layered defense of the United  
7 States homeland;

8 (2) support, if determined by the Secretary of  
9 Defense as necessary for the national security of the  
10 United States, the deployment of a ground-based in-  
11 terceptor site, or potential other ballistic missile de-  
12 fense systems pending successful testing, on the  
13 East Coast of the United States that—

14 (A) weighs cost effectiveness and  
15 prioritization of capability; and

16 (B) provides for increased protection of the  
17 continental United States from North Korean  
18 and Iranian threats;

19 (3) support the ability of the Army, the Navy,  
20 and the Missile Defense Agency to deploy fixed,  
21 semi-fixed, and mobile at-sea and ashore assets to  
22 locations to increase the layered defense of all of the  
23 United States homeland; and

24 (4) support, as appropriate, further analysis  
25 and testing for regional systems to be employed for  
26 the layered defense of the United States homeland.

1 (b) CERTIFICATION.—Before the Secretary of De-  
2 fense makes a potential determination to deploy regional  
3 assets to provide missile defense from longer range  
4 threats, the Secretary shall certify to the congressional de-  
5 fense committees that such deployment would not pose ad-  
6 ditional risk to strategic stability.

7 **SEC. 1683. TESTING OF REDESIGNED KILL VEHICLE PRIOR**  
8 **TO PRODUCTION AND GROUND-BASED MID-**  
9 **COURSE DEFENSE ACCELERATION OPTIONS.**

10 (a) SUCCESSFUL TESTING REQUIRED.—Except as  
11 provided by subsection (b), the Director of the Missile De-  
12 fense Agency may not make a lot production decision for  
13 the redesigned kill vehicle unless the vehicle has undergone  
14 at least one successful flight intercept test that meets the  
15 following criteria:

16 (1) The test sufficiently assesses the perform-  
17 ance of the vehicle in order to inform a lot produc-  
18 tion decision.

19 (2) The results of the test demonstrate that the  
20 vehicle—

21 (A) will work in an effective manner; and

22 (B) has the ability to accomplish the in-  
23 tended mission of the vehicle.

24 (b) WAIVER.—The Secretary of Defense, without del-  
25 egation, may waive subsection (a) if—

1           (1) the Secretary determines that the waiver is  
2           in the interest of national security;

3           (2) the Secretary determines that the threat of  
4           missiles is advancing at a pace that requires addi-  
5           tional capacity of the ground-based midcourse sys-  
6           tem by 2023;

7           (3) the Secretary determines that the waiver is  
8           appropriate in light of the assessment conducted by  
9           the Director of Operational Test and Evaluation  
10          under subsection (c);

11          (4) the Secretary submits to the congressional  
12          defense committees a report containing—

13                (A) a notice of the waiver, including the  
14                rationale of the Secretary for making the waiv-  
15                er;

16                (B) a certification by the Secretary that  
17                the Secretary has analyzed and accepts the risk  
18                of making and implementing a lot production  
19                decision for the redesigned kill vehicle prior to  
20                the vehicle undergoing a successful flight inter-  
21                cept test; and

22                (C) the assessment of the Director of  
23                Operational Test and Evaluation under sub-  
24                section (c); and

1           (5) a period of 30 days elapses following the  
2           date on which the Secretary submits the report  
3           under paragraph (4).

4           (c) ASSESSMENT ON RISKS.—The Director of Oper-  
5           ational Test and Evaluation shall submit to the Secretary  
6           of Defense an assessment on the risks of making a lot  
7           production decision for the redesigned kill vehicle prior to  
8           the vehicle undergoing a successful flight intercept test.

9           (d) REPORT.—

10           (1) IN GENERAL.—Not later than 180 days  
11           after the date of the enactment of this Act, the Di-  
12           rector of the Missile Defense Agency shall submit to  
13           the congressional defense committees a report on  
14           ways the Director could accelerate by at least one  
15           year the construction of Missile Field 4 at Fort  
16           Greely, Alaska, as well as the deployment of 20  
17           ground-based interceptors with redesigned kill vehi-  
18           cles at such missile field.

19           (2) CONTENTS.—The report under paragraph  
20           (1) shall include the following:

21                   (A) A threat-based description of the bene-  
22                   fits and risks of accelerating the construction  
23                   and deployment referred to in paragraph (1).

24                   (B) A description of the technical and ac-  
25                   quisition risks and potential effects on the reli-

1 ability of the redesigned kill vehicle if deploy-  
2 ment is accelerated as described in paragraph  
3 (1).

4 (C) A description of the cost implications  
5 of accelerating the construction and deployment  
6 referred to in paragraph (1).

7 (D) A description of the effect such accel-  
8 eration would have on the redesigned kill vehicle  
9 flight test schedule and the overall integrated  
10 master test plan.

11 (E) A description of the effect that the ac-  
12 celeration described in paragraph (1) would  
13 have on re-tipping currently deployed  
14 exoatmospheric kill vehicles with the redesigned  
15 kill vehicle.

16 (F) A description of how such acceleration  
17 would align with the deployment of the long-  
18 range discrimination radar and the discrimina-  
19 tion radar for homeland defense to be made  
20 operational in Hawaii.

21 (G) A cost-benefit analysis and a feasibility  
22 assessment for construction of a fifth missile  
23 field at Fort Greely, Alaska.

1           (3) FORM.—The report under paragraph (1)  
2           shall be submitted in unclassified form, but may in-  
3           clude a classified annex.

4 **SEC. 1684. REQUIREMENTS FOR BALLISTIC MISSILE DE-**  
5 **FENSE CAPABLE SHIPS.**

6           (a) FORCE STRUCTURE ASSESSMENT.—The Sec-  
7           retary of the Navy, in consultation with the Director of  
8           the Missile Defense Agency, shall include in the first force  
9           structure assessment conducted following the date of the  
10          enactment of this Act the following:

11           (1) An assessment of the requirements for bal-  
12          listic missile defense capable ships.

13           (2) The force structure requirements associated  
14          with advanced ballistic missile defense capabilities.

15          (b) FORCE STRUCTURE ASSESSMENT DEFINED.—  
16          The term “force structure assessment” has the meaning  
17          given the term in Chief of Naval Operations Instruction  
18          3050.27.

19 **SEC. 1685. MULTIYEAR PROCUREMENT AUTHORITY FOR**  
20 **STANDARD MISSILE-3 IB GUIDED MISSILES.**

21          (a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—  
22          Subject to section 2306b of title 10, United States Code,  
23          the Secretary of Defense may enter into one or more  
24          multiyear contracts, beginning with the fiscal year 2019

1 program year, for the procurement of standard missile–  
2 3 block IB guided missiles.

3 (b) **AUTHORITY FOR ADVANCE PROCUREMENT.**—The  
4 Secretary may enter into one or more contracts for ad-  
5 vance procurement associated with the missiles for which  
6 authorization to enter into a multiyear procurement con-  
7 tract is provided under subsection (a).

8 (c) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
9 **MENTS.**—A contract entered into under subsection (a)  
10 shall provide that any obligation of the United States to  
11 make a payment under the contract for a fiscal year after  
12 fiscal year 2019 is subject to the availability of appropria-  
13 tions for that purpose for such later fiscal year.

14 **SEC. 1686. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
15 **ARMY LOWER TIER AIR AND MISSILE DE-**  
16 **FENSE SENSOR.**

17 (a) **LIMITATION.**—If the Secretary of the Army issues  
18 an acquisition strategy for a 360-degree lower tier air and  
19 missile defense sensor pursuant to section 1679(a) of the  
20 National Defense Authorization Act for Fiscal Year 2018  
21 (Public Law 115–91; 131 Stat. 1774) that proposes such  
22 sensor achieve initial operating capability later than De-  
23 cember 31, 2023, not more than 50 percent of the funds  
24 authorized to be appropriated by this Act or otherwise  
25 made available for fiscal year 2019 for such sensor may

1 be obligated or expended until the date on which the Sec-  
2 retary submits to the congressional defense committees a  
3 report—

4 (1) explaining the rationale of such delayed ini-  
5 tial operating capability, including a description of  
6 any technological or acquisition-related factors caus-  
7 ing such delay; and

8 (2) containing a funding profile and schedule to  
9 ensure that such sensor would achieve initial oper-  
10 ating capability by December 31, 2023.

11 (b) PERFORMANCE SPECIFICATION.—The Secretary  
12 shall ensure that the performance specification of the 360-  
13 degree lower tier air and missile defense sensor—

14 (1) specifies requirements relating to—

15 (A) detecting and tracking complex attacks  
16 from air-breathing threats, tactical ballistic mis-  
17 siles, and emerging hypersonic weapons; and

18 (B) being a key component of the future  
19 integrated air and missile defense architecture  
20 of the Army and supporting engagements for  
21 the full range and capability of Patriot Ad-  
22 vanced Capability—3 missile segment enhance-  
23 ment interceptors; and

24 (2) uses evaluation criteria that enable an un-  
25 derstanding of the cost and value of procuring such

1 sensor in accordance with such specified require-  
2 ments.

3 **SEC. 1687. MISSILE DEFENSE RADAR IN HAWAII.**

4 (a) SENSE OF CONGRESS.—It is the sense of Con-  
5 gress that the Secretary of Defense, acting through the  
6 Director of the Missile Defense Agency, and in coordina-  
7 tion with relevant Federal and local entities, should—

8 (1) ensure an on-time delivery of the discrimi-  
9 nation radar for homeland defense to be made oper-  
10 ational in Hawaii; and

11 (2) accelerate the deployment of the radar as  
12 much as possible, contingent on the environmental  
13 review process pursuant to the National Environ-  
14 mental Policy Act of 1969 (42 U.S.C. 4321 et seq.).

15 (b) CERTIFICATION.—Not later than 45 days after  
16 the date of the enactment of this Act, the Director of the  
17 Missile Defense Agency shall certify to the congressional  
18 defense committees that—

19 (1) the Director is on schedule to award the  
20 contract for the discrimination radar for homeland  
21 defense planned to be located in Hawaii by Decem-  
22 ber 31, 2018; and

23 (2) such radar and associated in-flight inter-  
24 ceptor communications system data terminal will be  
25 operational by not later than September 30, 2023.

1 (c) UPDATES.—

2 (1) MONTHLY UPDATES ON DELAYED SCHED-  
3 ULE.—If the Director has not awarded the contract  
4 referred to in subsection (b)(1) by December 31,  
5 2018, on a monthly basis beginning on such date  
6 and ending on the date on which the Director makes  
7 such award, the Director shall provide to the con-  
8 gressional defense committees an update explain-  
9 ing—

10 (A) the rationale for the delay in making  
11 such award; and

12 (B) any effects of such delay in making  
13 such radar and associated in-flight interceptor  
14 communications system data terminal oper-  
15 ational by not later than September 30, 2023.

16 (2) SEMIANNUAL UPDATES.—Not later than  
17 June 3, 2019, and semiannually thereafter through  
18 2021, the Director shall provide to the congressional  
19 defense committees an update on—

20 (A) the acquisition of the discrimination  
21 radar for homeland defense planned to be lo-  
22 cated in Hawaii and the associated in-flight in-  
23 terceptor communications system data terminal;  
24 and

1 (B) the environmental review process for  
2 such radar pursuant to the National Environ-  
3 mental Policy Act of 1969 (42 U.S.C. 4321 et  
4 seq.).

5 **SEC. 1688. IRON DOME SHORT-RANGE ROCKET DEFENSE**  
6 **SYSTEM AND ISRAELI COOPERATIVE MISSILE**  
7 **DEFENSE PROGRAM CO-DEVELOPMENT AND**  
8 **CO-PRODUCTION.**

9 (a) SENSE OF CONGRESS.—It is the sense of Con-  
10 gress that—

11 (1) the strong and enduring relationship be-  
12 tween the United States and Israel is in the national  
13 security interest of both countries; and

14 (2) the memorandum of understanding signed  
15 by the United States and Israel on September 14,  
16 2016, including the provisions of the memorandum  
17 relating to missile and rocket defense cooperation, is  
18 a critical component of the bilateral relationship.

19 (b) IRON DOME SHORT-RANGE ROCKET DEFENSE  
20 SYSTEM.—

21 (1) AVAILABILITY OF FUNDS.—Of the funds  
22 authorized to be appropriated by this Act or other-  
23 wise made available for fiscal year 2019 for procure-  
24 ment, Defense-wide, and available for the Missile  
25 Defense Agency, \$70,000,000 may be provided to

1 the Government of Israel, in accordance with the  
2 memorandum of understanding signed by the United  
3 States and Israel on September 14, 2016, to procure  
4 components for the Iron Dome short-range rocket  
5 defense system through co-production of such com-  
6 ponents in the United States by industry of the  
7 United States.

8 (2) CONDITIONS.—

9 (A) AGREEMENT.—Funds described in  
10 paragraph (1) for the Iron Dome short-range  
11 rocket defense program shall be available sub-  
12 ject to the terms and conditions in the Agree-  
13 ment Between the Department of Defense of  
14 the United States of America and the Ministry  
15 of Defense of the State of Israel Concerning  
16 Iron Dome Defense System Procurement,  
17 signed on March 5, 2014, as amended to in-  
18 clude co-production for Tamir interceptors.

19 (B) CERTIFICATION.—Not later than 30  
20 days prior to the initial obligation of funds de-  
21 scribed in paragraph (1), the Director of the  
22 Missile Defense Agency and the Under Sec-  
23 retary of Defense for Acquisition and  
24 Sustainment shall jointly submit to the appro-  
25 priate congressional committees—

1 (i) a certification that the amended bi-  
2 lateral international agreement specified in  
3 subparagraph (A) is being implemented as  
4 provided in such agreement; and

5 (ii) an assessment detailing any risks  
6 relating to the implementation of such  
7 agreement.

8 (c) ISRAELI COOPERATIVE MISSILE DEFENSE PRO-  
9 GRAM, DAVID'S SLING WEAPON SYSTEM CO-PRODUC-  
10 TION.—

11 (1) IN GENERAL.—Subject to paragraph (2), of  
12 the funds authorized to be appropriated for fiscal  
13 year 2019 for procurement, Defense-wide, and avail-  
14 able for the Missile Defense Agency, \$50,000,000  
15 may be provided to the Government of Israel, in ac-  
16 cordance with the memorandum of understanding  
17 signed by the United States and Israel on September  
18 14, 2016, to procure the David's Sling Weapon Sys-  
19 tem, including for co-production of parts and compo-  
20 nents in the United States by United States indus-  
21 try.

22 (2) CERTIFICATION.—The Under Secretary of  
23 Defense for Acquisition and Sustainment shall sub-  
24 mit to the appropriate congressional committees a  
25 certification that—

1 (A) the Government of Israel has dem-  
2 onstrated the successful completion of the  
3 knowledge points, technical milestones, and pro-  
4 duction readiness reviews required by the re-  
5 search, development, and technology agreement  
6 and the bilateral co-production agreement for  
7 the David's Sling Weapon System;

8 (B) funds specified in paragraph (1) will  
9 be provided on the basis of a one-for-one cash  
10 match made by Israel or in another matching  
11 amount that otherwise meets best efforts (as  
12 mutually agreed to by the United States and  
13 Israel); and

14 (C) the level of co-production of parts,  
15 components, and all-up rounds (if appropriate)  
16 in the United States by United States industry  
17 for the David's Sling Weapon System is not less  
18 than 50 percent.

19 (d) ISRAELI COOPERATIVE MISSILE DEFENSE PRO-  
20 GRAM, ARROW 3 UPPER TIER INTERCEPTOR PROGRAM  
21 CO-PRODUCTION.—

22 (1) IN GENERAL.—Subject to paragraph (2), of  
23 the funds authorized to be appropriated for fiscal  
24 year 2019 for procurement, Defense-wide, and avail-  
25 able for the Missile Defense Agency, \$80,000,000

1       may be provided to the Government of Israel, in ac-  
2       cordance with the memorandum of understanding  
3       signed by the United States and Israel on September  
4       14, 2016, for the Arrow 3 Upper Tier Interceptor  
5       Program, including for co-production of parts and  
6       components in the United States by United States  
7       industry.

8               (2) CERTIFICATION.—Except as provided by  
9       paragraph (3), the Under Secretary of Defense for  
10      Acquisition and Sustainment shall submit to the ap-  
11      propriate congressional committees a certification  
12      that—

13              (A) the Government of Israel has dem-  
14      onstrated the successful completion of the  
15      knowledge points, technical milestones, and pro-  
16      duction readiness reviews required by the re-  
17      search, development, and technology agree-  
18      ments for the Arrow 3 Upper Tier Interceptor  
19      Program;

20              (B) funds specified in paragraph (1) will  
21      be provided on the basis of a one-for-one cash  
22      match made by Israel or in another matching  
23      amount that otherwise meets best efforts (as  
24      mutually agreed to by the United States and  
25      Israel);

1 (C) the United States has entered into a  
2 bilateral international agreement with Israel  
3 that establishes, with respect to the use of such  
4 funds—

5 (i) in accordance with subparagraph  
6 (D), the terms of co-production of parts  
7 and components on the basis of the great-  
8 est practicable co-production of parts, com-  
9 ponents, and all-up rounds (if appropriate)  
10 by United States industry and minimizes  
11 nonrecurring engineering and facilitization  
12 expenses to the costs needed for co-produc-  
13 tion;

14 (ii) complete transparency on the re-  
15 quirement of Israel for the number of  
16 interceptors and batteries that will be pro-  
17 cured, including with respect to the pro-  
18 curement plans, acquisition strategy, and  
19 funding profiles of Israel;

20 (iii) technical milestones for co-pro-  
21 duction of parts and components and pro-  
22 curement;

23 (iv) a joint affordability working  
24 group to consider cost reduction initiatives;  
25 and

1 (v) joint approval processes for third-  
2 party sales; and

3 (D) the level of co-production described in  
4 subparagraph (C)(i) for the Arrow 3 Upper  
5 Tier Interceptor Program is not less than 50  
6 percent.

7 (3) WAIVER.—The Under Secretary may waive  
8 the certification required by paragraph (2) if the  
9 Under Secretary certifies to the appropriate congress-  
10 sional committees that the Under Secretary has re-  
11 ceived sufficient data from the Government of Israel  
12 to demonstrate—

13 (A) the funds specified in paragraph (1)  
14 are provided to Israel solely for funding the  
15 procurement of long-lead components and crit-  
16 ical hardware in accordance with a production  
17 plan, including a funding profile detailing  
18 Israeli contributions for production, including  
19 long-lead production, of the Arrow 3 Upper  
20 Tier Interceptor Program;

21 (B) such long-lead components have suc-  
22 cessfully completed knowledge points, technical  
23 milestones, and production readiness reviews;  
24 and

1 (C) the long-lead procurement will be con-  
2 ducted in a manner that maximizes co-produce-  
3 tion in the United States without incurring  
4 nonrecurring engineering activity or cost other  
5 than such activity or cost required for suppliers  
6 of the United States to start or restart produc-  
7 tion in the United States.

8 (e) NUMBER.—In carrying out paragraph (2) of sub-  
9 section (c) and paragraph (2) of subsection (d), the Under  
10 Secretary may submit—

11 (1) one certification covering both the David’s  
12 Sling Weapon System and the Arrow 3 Upper Tier  
13 Interceptor Program; or

14 (2) separate certifications for each respective  
15 system.

16 (f) TIMING.—The Under Secretary shall submit to  
17 the congressional defense committees the certifications  
18 under paragraph (2) of subsection (c) and paragraph (2)  
19 of subsection (d) by not later than 60 days before the  
20 funds specified in paragraph (1) of subsections (c) and  
21 (d) for the respective system covered by the certification  
22 are provided to the Government of Israel.

23 (g) APPROPRIATE CONGRESSIONAL COMMITTEES  
24 DEFINED.—In this section, the term “appropriate con-  
25 gressional committees” means the following:

1 (1) The congressional defense committees.

2 (2) The Committee on Foreign Relations of the  
3 Senate and the Committee on Foreign Affairs of the  
4 House of Representatives.

5 **SEC. 1689. ACCELERATION OF HYPERSONIC MISSILE DE-**  
6 **FENSE PROGRAM.**

7 (a) ACCELERATION OF PROGRAM.—Subject to the  
8 availability of appropriations, the Director of the Missile  
9 Defense Agency shall accelerate the hypersonic missile de-  
10 fense program of the Missile Defense Agency.

11 (b) DEPLOYMENT.—The Director shall deploy such  
12 program in conjunction with a persistent space-based mis-  
13 sile defense sensor program.

14 (c) REPORT.—

15 (1) IN GENERAL.—Not later than 90 days after  
16 the date of the enactment of this Act, the Director  
17 shall submit to the congressional defense committees  
18 a report on how hypersonic missile defense can be  
19 accelerated to meet emerging hypersonic threats.

20 (2) CONTENTS.—The report under paragraph  
21 (1) shall include the following:

22 (A) An estimate of the cost of the accelera-  
23 tion described in such paragraph.

24 (B) The technical requirements and acqui-  
25 sition plan needed for the Director to develop

1           and deploy a hypersonic missile defense pro-  
2           gram.

3           (C) A testing campaign plan that acceler-  
4           ates the delivery of hypersonic defense systems  
5           to the warfighter.

6           (3) FORM.—The report required by paragraph  
7           (1) shall be submitted in unclassified form, but may  
8           include a classified annex.

9   **SEC. 1690. REPORT ON BALLISTIC MISSILE DEFENSE.**

10          (a) REPORT.—Not later than 180 days after the date  
11          on which the Ballistic Missile Defense Review that com-  
12          menced in 2017 is published, the Secretary of Defense  
13          shall submit to the congressional defense committees a re-  
14          port that addresses the implications of the recommenda-  
15          tions of the Ballistic Missile Defense Review on current  
16          programs of record, costs and resource prioritization, and  
17          strategic stability.

18          (b) CBO REPORT ON COSTS.—

19                (1) REPORT.—Not later than one year after the  
20                date on which the Ballistic Missile Defense Review  
21                that commenced in 2017 is published, the Director  
22                of the Congressional Budget Office shall submit to  
23                the congressional defense committees a report set-  
24                ting forth an estimate of the costs over the 10-year  
25                period beginning on the date of the report associated

1 with implementing any recommendations of the Bal-  
2 listic Missile Defense Review.

3 (2) FORM.—The report under subsection (a)  
4 shall be submitted in unclassified form, but may in-  
5 clude a classified annex.

6 **SEC. 1691. SENSE OF CONGRESS ON ALLIED PARTNERSHIPS**  
7 **FOR MISSILE DEFENSE.**

8 It is the sense of Congress that—

9 (1) the United States should seek additional op-  
10 portunities, at the tactical, operational, and strategic  
11 levels, to provide missile defense capabilities, doc-  
12 trine, interoperability, and planning to allies and  
13 trusted partners of the United States;

14 (2) an expedited foreign military sales arrange-  
15 ment would be beneficial in delivering such missile  
16 defenses to allies and trusted partners; and

17 (3) it is important to continue to work with al-  
18 lies and trusted partners to learn from their experi-  
19 ence deploying successful missile defense tech-  
20 nologies.

21 **SEC. 1692. SENSE OF CONGRESS ON TESTING BY MISSILE**  
22 **DEFENSE AGENCY.**

23 It is the sense of Congress that—

24 (1) the Missile Defense Agency should, as part  
25 of the test program of the Agency, continue to build

1 an independently accredited modeling and simulation  
2 element to better inform missile defense performance  
3 assessments and test criteria; and

4 (2) the Missile Defense Agency should continue  
5 to pursue an increasingly rigorous testing regime, in  
6 coordination with the Director of Operational Test  
7 and Evaluation, to more rapidly deliver capabilities  
8 to the warfighter as the threat evolves.

## 9 **Subtitle F—Other Matters**

### 10 **SEC. 1695. EXTENSION OF COMMISSION TO ASSESS THE** 11 **THREAT TO THE UNITED STATES FROM ELEC-** 12 **TROMAGNETIC PULSE ATTACKS AND SIMI-** 13 **LAR EVENTS.**

14 Section 1691 of the National Defense Authorization  
15 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
16 1786) is amended—

17 (1) in subsection (e)—

18 (A) in paragraph (1)(A), by striking “April  
19 1, 2019” and inserting “April 1, 2020”; and

20 (B) in paragraph (3), by striking “October  
21 1, 2018” and inserting “October 1, 2019”; and

22 (2) in subsection (h), by striking “October 1,  
23 2019” and inserting “October 1, 2020”.

1 **SEC. 1696. PROCUREMENT OF AMMONIUM PERCHLORATE**  
2 **AND OTHER CHEMICALS FOR USE IN SOLID**  
3 **ROCKET MOTORS.**

4 (a) BUSINESS CASE ANALYSIS.—

5 (1) GOVERNMENT-OWNED, CONTRACTOR OPER-  
6 ATED.—The Secretary of the Army and the Under  
7 Secretary of Defense for Acquisition and  
8 Sustainment shall jointly conduct a business case  
9 analysis of the Federal Government using a Govern-  
10 ment-owned, contractor-operated model to ensure a  
11 robust domestic industrial base to supply specialty  
12 chemicals, including ammonium perchlorate, for use  
13 in solid rocket motors. Such analysis shall include  
14 assessments of the near- and long-term costs, oper-  
15 ating and sustainment costs, program impacts, op-  
16 portunities for competition, opportunities for redun-  
17 dant or complementary capabilities, and national se-  
18 curity implications of using such a model.

19 (2) REPORT.—Not later than March 1, 2019,  
20 the Secretary and the Under Secretary shall submit  
21 to the congressional defense committees the business  
22 case analysis conducted under paragraph (1).

23 (b) ANNUAL REPORTS ON CERTAIN SOLID ROCKET  
24 MOTORS.—

25 (1) IN GENERAL.—Not later than December 31,  
26 2018, and each year thereafter through 2021, the

1 Secretary of Defense shall submit to the congres-  
2 sional defense committees an annual report on rock-  
3 ets or missiles provided to the Department of De-  
4 fense during the year covered by the report that use  
5 a solid rocket motor that was, in whole or in part,  
6 recovered or recycled from a rocket motor previously  
7 owned by the Department of Defense.

8 (2) MATTERS INCLUDED.—Each report under  
9 paragraph (1) shall include, with respect to the year  
10 covered by the report, the following:

11 (A) An identification of which rockets or  
12 missiles covered by the report use recycled am-  
13 monium perchlorate.

14 (B) The quantity of such recovered or re-  
15 cycled ammonium perchlorate.

16 (C) Whether any of the solid rocket propel-  
17 lant, or sodium perchlorate precursor, to be  
18 used in the rocket or missile is imported from  
19 a foreign country, and if so, the identity of the  
20 country.

21 (D) Any other information the Secretary  
22 determines appropriate.

1 **SEC. 1697. BUDGET EXHIBIT ON SUPPORT PROVIDED TO**  
2 **ENTITIES OUTSIDE DEPARTMENT OF DE-**  
3 **FENSE.**

4 (a) IN GENERAL.—The Under Secretary of Defense  
5 (Comptroller) shall include in the budget justification ma-  
6 terials submitted to Congress in support of the Depart-  
7 ment of Defense budget for each fiscal year (as submitted  
8 with the budget of the President under section 1105(a)  
9 of title 31, United States Code) a single budget exhibit  
10 containing relevant details pertaining to support provided  
11 by the Department of Defense to the Executive Office of  
12 the President related to senior leader communications and  
13 continuity of Government programs.

14 (b) INCLUSIONS.—The budget exhibit required by  
15 subsection (a) shall include—

16 (1) support provided by the White House Mili-  
17 tary Office, the White House Communications Agen-  
18 cy, special mission area activities of the Defense In-  
19 formation Systems Agency, and other relevant pro-  
20 grams; and

21 (2) specific appropriation and line numbers  
22 where appropriate.

23 (c) FORM.—The budget exhibit required by sub-  
24 section (a) shall be submitted in unclassified form, but  
25 may include a classified annex.

1 **SEC. 1698. CONVENTIONAL PROMPT GLOBAL STRIKE**  
2 **HYPERSONIC CAPABILITIES.**

3 (a) **VALIDATED REQUIREMENTS.**—Not later than  
4 120 days after the date of the enactment of this Act, the  
5 Secretary of Defense shall submit to the congressional de-  
6 fense committees a validated requirement for ground-, sea-  
7 , or air-launched (or a combination thereof) conventional  
8 prompt global strike hypersonic capabilities.

9 (b) **REPORT.**—Not later than January 31, 2019, the  
10 Under Secretary of Defense for Acquisition and  
11 Sustainment, in coordination with the Under Secretary of  
12 Defense for Policy, shall submit to the congressional de-  
13 fense committees a report that contains the following:

14 (1) A plan to deliver a conventional prompt  
15 global strike weapon system that—

16 (A) is in accordance with section 1693 of  
17 the National Defense Authorization Act for Fis-  
18 cal Year 2018 (Public Law 115–91; 131 Stat.  
19 1791); and

20 (B) includes—

21 (i) options with cost estimates for ac-  
22 celerating the initial capability for such  
23 system; and

24 (ii) a description of policy decisions by  
25 the Secretary of Defense that are nec-  
26 essary to employ hypersonic offense capa-

1                   bilities from each potential launch platform  
2                   of such system.

3                   (2) Details with respect to the assessed level of  
4                   ambiguity and misinterpretation risk relating to the  
5                   conventional prompt global strike weapon system, in-  
6                   cluding such potential risks associated with weapon  
7                   ambiguity (including if adversary sensors are de-  
8                   graded), perceptions of the survivability of strategic  
9                   nuclear forces, and likely adversary responses.

10                  (3) A description of whether, when, and how  
11                  the Under Secretary of Defense for Policy would ad-  
12                  dress the risks identified under paragraph (2) in de-  
13                  veloping and deploying the conventional prompt  
14                  global strike weapon system and in developing the  
15                  concept of operations for such system.

16 **SEC. 1699. REPORT REGARDING INDUSTRIAL BASE FOR**  
17 **LARGE SOLID ROCKET MOTORS.**

18                  (a) REPORT.—

19                  (1) IN GENERAL.—Not later than April 15,  
20                  2019, the Under Secretary of Defense for Acquisi-  
21                  tion and Sustainment, in consultation with the Sec-  
22                  retaries of the military departments that the Under  
23                  Secretary determines appropriate, shall submit to  
24                  the appropriate congressional committees a report  
25                  on whether, and if so, how, the Federal Government

1 will sustain more than one supplier for large solid  
2 rocket motors.

3 (2) MATTERS INCLUDED.—The report under  
4 paragraph (1) shall include an assessment of the fol-  
5 lowing:

6 (A) The risks within the industrial base for  
7 large solid rocket motors, including the risks to  
8 national security.

9 (B) The near- and long-term costs associ-  
10 ated with having a single source of large solid  
11 rocket motors as compared to having more than  
12 one such source.

13 (C) Options for sustaining more than one  
14 supplier for large solid rocket motors, including  
15 through leveraging—

16 (i) the ground-based strategic deter-  
17 rent program;

18 (ii) the Trident II D5 fleet ballistic  
19 missile program;

20 (iii) the ground-based midcourse de-  
21 fense program;

22 (iv) national security space launch  
23 programs;

24 (v) programs of the National Aero-  
25 nautics and Space Administration; and

1 (vi) any other applicable programs  
2 that use or may use solid rocket motors of  
3 any size, including with respect to substra-  
4 tegic and tactical systems.

5 (b) APPROPRIATE CONGRESSIONAL COMMITTEES  
6 DEFINED.—In this section, the term “appropriate con-  
7 gressional committees” means the following:

8 (1) The congressional defense committees.

9 (2) The Committee on Science, Space, and  
10 Technology and the Permanent Select Committee on  
11 Intelligence of the House of Representatives.

12 (3) The Committee on Commerce, Science, and  
13 Transportation and the Select Committee on Intel-  
14 ligence of the Senate.

15 **TITLE XVII—REVIEW OF FOR-**  
16 **EIGN INVESTMENT AND EX-**  
17 **PORT CONTROLS**

Subtitle A—Committee on Foreign Investment in the United States

Sec. 1701. Short title: Foreign Investment Risk Review Modernization Act of 2018.

Sec. 1702. Findings; sense of Congress.

Sec. 1703. Definitions.

Sec. 1704. Acceptance of written notices.

Sec. 1705. Inclusion of partnership and side agreements in notice.

Sec. 1706. Declarations for certain covered transactions.

Sec. 1707. Stipulations regarding transactions.

Sec. 1708. Authority for unilateral initiation of reviews.

Sec. 1709. Timing for reviews and investigations.

Sec. 1710. Identification of non-notified and non-declared transactions.

Sec. 1711. Submission of certifications to Congress.

Sec. 1712. Analysis by Director of National Intelligence.

Sec. 1713. Information sharing.

Sec. 1714. Action by the President.

Sec. 1715. Judicial review.

- Sec. 1716. Considerations for regulations.
- Sec. 1717. Membership and staff of Committee.
- Sec. 1718. Actions by the Committee to address national security risks.
- Sec. 1719. Modification of annual report and other reporting requirements.
- Sec. 1720. Certification of notices and information.
- Sec. 1721. Implementation plans.
- Sec. 1722. Assessment of need for additional resources for Committee.
- Sec. 1723. Funding.
- Sec. 1724. Centralization of certain Committee functions.
- Sec. 1725. Conforming amendments.
- Sec. 1726. Briefing on information from transactions reviewed by Committee on Foreign Investment in the United States relating to foreign efforts to influence democratic institutions and processes.
- Sec. 1727. Effective date.
- Sec. 1728. Severability.

#### Subtitle B—Export Control Reform

- Sec. 1741. Short title.
- Sec. 1742. Definitions.

#### PART I—AUTHORITY AND ADMINISTRATION OF CONTROLS

- Sec. 1751. Short title.
- Sec. 1752. Statement of policy.
- Sec. 1753. Authority of the President.
- Sec. 1754. Additional authorities.
- Sec. 1755. Administration of export controls.
- Sec. 1756. Licensing.
- Sec. 1757. Compliance assistance.
- Sec. 1758. Requirements to identify and control the export of emerging and foundational technologies.
- Sec. 1759. Review relating to countries subject to comprehensive United States arms embargo.
- Sec. 1760. Penalties.
- Sec. 1761. Enforcement.
- Sec. 1762. Administrative procedure.
- Sec. 1763. Review of interagency dispute resolution process.
- Sec. 1764. Consultation with other agencies on commodity classification.
- Sec. 1765. Annual report to Congress.
- Sec. 1766. Repeal.
- Sec. 1767. Effect on other Acts.
- Sec. 1768. Transition provisions.

#### PART II—ANTI-BOYCOTT ACT OF 2018

- Sec. 1771. Short title.
- Sec. 1772. Statement of policy.
- Sec. 1773. Foreign boycotts.
- Sec. 1774. Enforcement.

#### PART III—ADMINISTRATIVE AUTHORITIES

- Sec. 1781. Under Secretary of Commerce for Industry and Security.

#### Subtitle C—Miscellaneous

Sec. 1791. Extension of authority.

Sec. 1792. Limitation on cancellation of designation of Secretary of the Air Force as Department of Defense Executive Agent for a certain Defense Production Act program.

Sec. 1793. Review of and report on certain defense technologies critical to the United States maintaining superior military capabilities.

## 1 **Subtitle A—Committee on Foreign** 2 **Investment in the United States**

### 3 **SEC. 1701. SHORT TITLE: FOREIGN INVESTMENT RISK RE-** 4 **VIEW MODERNIZATION ACT OF 2018.**

5 This subtitle may be cited as the “Foreign Invest-  
6 ment Risk Review Modernization Act of 2018”.

### 7 **SEC. 1702. FINDINGS; SENSE OF CONGRESS.**

8 (a) FINDINGS.—Congress makes the following find-  
9 ings:

10 (1) According to a February 2016 report by the  
11 International Trade Administration of the Depart-  
12 ment of Commerce, 12,000,000 United States work-  
13 ers, equivalent to 8.5 percent of the labor force, have  
14 jobs resulting from foreign investment, including  
15 3,500,000 jobs in the manufacturing sector alone.

16 (2) In 2016, new foreign direct investment in  
17 United States manufacturing totaled  
18 \$129,400,000,000.

19 (3) The Bureau of Economic Analysis of the  
20 Department of Commerce concluded that, in 2015—

21 (A) foreign-owned affiliates in the United  
22 States—

1 (i) contributed \$894,500,000,000 in  
2 value added to the United States economy;

3 (ii) exported goods valued at  
4 \$352,800,000,000, accounting for nearly a  
5 quarter of total exports of goods from the  
6 United States; and

7 (iii) undertook \$56,700,000,000 in re-  
8 search and development; and

9 (B) the 7 countries investing the most in  
10 the United States, all of which are United  
11 States allies (the United Kingdom, Japan, Ger-  
12 many, France, Canada, Switzerland, and the  
13 Netherlands) accounted for 72.1 percent of the  
14 value added by foreign-owned affiliates in the  
15 United States and more than 80 percent of re-  
16 search and development expenditures by such  
17 entities.

18 (4) According to the Government Accountability  
19 Office, from 2011 to 2016, the number of trans-  
20 actions reviewed by the Committee on Foreign In-  
21 vestment in the United States (commonly referred to  
22 as “CFIUS”) grew by 55 percent, while the staff of  
23 the Committees assigned to the reviews increased by  
24 11 percent.

1           (5) According to a February 2018 report of the  
2           Government Accountability Office on the Committee  
3           on Foreign Investment in the United States (GAO–  
4           18–249): “Officials from Treasury and other mem-  
5           ber agencies are aware of pressures on their CFIUS  
6           staff given the current workload and have expressed  
7           concerns about possible workload increases.”. The  
8           Government Accountability Office concluded: “With-  
9           out attaining an understanding of the staffing levels  
10          needed to address the current and future CFIUS  
11          workload, particularly if legislative changes to  
12          CFIUS’s authorities further expand its workload,  
13          CFIUS may be limited in its ability to fulfill its ob-  
14          jectives and address threats to the national security  
15          of the United States.”.

16          (6) On March 30, 1954, Dwight David Eisen-  
17          hower—five-star general, Supreme Allied Com-  
18          mander, and 34th President of the United States—  
19          in his “Special Message to the Congress on Foreign  
20          Economic Policy”, counseled: “Great mutual advan-  
21          tages to buyer and seller, to producer and consumer,  
22          to investor and to the community where investment  
23          is made, accrue from high levels of trade and invest-  
24          ment.”. President Eisenhower continued: “The inter-  
25          nal strength of the American economy has evolved

1 from such a system of mutual advantage. In the  
2 press of other problems and in the haste to meet  
3 emergencies, this nation—and many other nations of  
4 the free world—have all too often lost sight of this  
5 central fact.”. President Eisenhower concluded: “If  
6 we fail in our trade policy, we may fail in all. Our  
7 domestic employment, our standard of living, our se-  
8 curity, and the solidarity of the free world—all are  
9 involved.”.

10 (b) SENSE OF CONGRESS.—It is the sense of Con-  
11 gress that—

12 (1) foreign investment provides substantial eco-  
13 nomic benefits to the United States, including the  
14 promotion of economic growth, productivity, com-  
15 petitiveness, and job creation, thereby enhancing na-  
16 tional security;

17 (2) maintaining the commitment of the United  
18 States to an open investment policy encourages  
19 other countries to reciprocate and helps open new  
20 foreign markets for United States businesses;

21 (3) it should continue to be the policy of the  
22 United States to enthusiastically welcome and sup-  
23 port foreign investment, consistent with the protec-  
24 tion of national security;

1           (4) at the same time, the national security land-  
2       scape has shifted in recent years, and so has the na-  
3       ture of the investments that pose the greatest poten-  
4       tial risk to national security, which warrants an ap-  
5       propriate modernization of the processes and au-  
6       thorities of the Committee on Foreign Investment in  
7       the United States and of the United States export  
8       control system;

9           (5) the Committee on Foreign Investment in  
10      the United States plays a critical role in protecting  
11      the national security of the United States, and,  
12      therefore, it is essential that the member agencies of  
13      the Committee are adequately resourced and able to  
14      hire appropriately qualified individuals in a timely  
15      manner, and that those individuals' security clear-  
16      ances are processed as a high priority;

17          (6) the President should conduct a more robust  
18      international outreach effort to urge and help allies  
19      and partners of the United States to establish proc-  
20      esses that are similar to the Committee on Foreign  
21      Investment in the United States to screen foreign in-  
22      vestments for national security risks and to facilitate  
23      coordination;

1           (7) the President should lead a collaborative ef-  
2           fort with allies and partners of the United States to  
3           strengthen the multilateral export control regime;

4           (8) any penalties imposed by the United States  
5           Government with respect to an individual or entity  
6           pursuant to a determination that the individual or  
7           entity has violated sanctions imposed by the United  
8           States or the export control laws of the United  
9           States should not be reversed for reasons unrelated  
10          to the national security of the United States; and

11          (9) the Committee on Foreign Investment in  
12          the United States should continue to review trans-  
13          actions for the purpose of protecting national secu-  
14          rity and should not consider issues of national inter-  
15          est absent a national security nexus.

16          (c) SENSE OF CONGRESS ON CONSIDERATION OF  
17          COVERED TRANSACTIONS.—It is the sense of Congress  
18          that, when considering national security risks, the Com-  
19          mittee on Foreign Investment in the United States may  
20          consider—

21                (1) whether a covered transaction involves a  
22                country of special concern that has a demonstrated  
23                or declared strategic goal of acquiring a type of crit-  
24                ical technology or critical infrastructure that would

1 affect United States leadership in areas related to  
2 national security;

3 (2) the potential national security-related ef-  
4 fects of the cumulative control of, or pattern of re-  
5 cent transactions involving, any one type of critical  
6 infrastructure, energy asset, critical material, or  
7 critical technology by a foreign government or for-  
8 eign person;

9 (3) whether any foreign person engaging in a  
10 covered transaction with a United States business  
11 has a history of complying with United States laws  
12 and regulations;

13 (4) the control of United States industries and  
14 commercial activity by foreign persons as it affects  
15 the capability and capacity of the United States to  
16 meet the requirements of national security, including  
17 the availability of human resources, products, tech-  
18 nology, materials, and other supplies and services,  
19 and in considering “the availability of human re-  
20 sources”, should construe that term to include po-  
21 tential losses of such availability resulting from re-  
22 ductions in the employment of United States persons  
23 whose knowledge or skills are critical to national se-  
24 curity, including the continued production in the  
25 United States of items that are likely to be acquired

1 by the Department of Defense or other Federal de-  
2 partments or agencies for the advancement of the  
3 national security of the United States;

4 (5) the extent to which a covered transaction is  
5 likely to expose, either directly or indirectly, person-  
6 ally identifiable information, genetic information, or  
7 other sensitive data of United States citizens to ac-  
8 cess by a foreign government or foreign person that  
9 may exploit that information in a manner that  
10 threatens national security; and

11 (6) whether a covered transaction is likely to  
12 have the effect of exacerbating or creating new cy-  
13 bersecurity vulnerabilities in the United States or is  
14 likely to result in a foreign government gaining a  
15 significant new capability to engage in malicious  
16 cyber-enabled activities against the United States,  
17 including such activities designed to affect the out-  
18 come of any election for Federal office.

19 **SEC. 1703. DEFINITIONS.**

20 Section 721(a) of the Defense Production Act of  
21 1950 (50 U.S.C. 4565(a)) is amended to read as follows:

22 “(a) **DEFINITIONS.**—In this section:

23 “(1) **CLARIFICATION.**—The term ‘national secu-  
24 rity’ shall be construed so as to include those issues

1 relating to ‘homeland security’, including its applica-  
2 tion to critical infrastructure.

3 “(2) COMMITTEE; CHAIRPERSON.—The terms  
4 ‘Committee’ and ‘chairperson’ mean the Committee  
5 on Foreign Investment in the United States and the  
6 chairperson thereof, respectively.

7 “(3) CONTROL.—The term ‘control’ means the  
8 power, direct or indirect, whether exercised or not  
9 exercised, to determine, direct, or decide important  
10 matters affecting an entity, subject to regulations  
11 prescribed by the Committee.

12 “(4) COVERED TRANSACTION.—

13 “(A) IN GENERAL.—Except as otherwise  
14 provided, the term ‘covered transaction’  
15 means—

16 “(i) any transaction described in sub-  
17 paragraph (B)(i); and

18 “(ii) any transaction described in  
19 clauses (ii) through (v) of subparagraph  
20 (B) that is proposed, pending, or com-  
21 pleted on or after the effective date set  
22 forth in section 1727 of the Foreign In-  
23 vestment Risk Review Modernization Act  
24 of 2018.

1           “(B) TRANSACTIONS DESCRIBED.—A  
2 transaction described in this subparagraph is  
3 any of the following:

4           “(i) Any merger, acquisition, or take-  
5 over that is proposed or pending after Au-  
6 gust 23, 1988, by or with any foreign per-  
7 son that could result in foreign control of  
8 any United States business, including such  
9 a merger, acquisition, or takeover carried  
10 out through a joint venture.

11           “(ii) Subject to subparagraphs (C)  
12 and (E), the purchase or lease by, or a  
13 concession to, a foreign person of private  
14 or public real estate that—

15           “(I) is located in the United  
16 States;

17           “(II)(aa) is, is located within, or  
18 will function as part of, an air or mar-  
19 itime port; or

20           “(bb)(AA) is in close proximity to  
21 a United States military installation  
22 or another facility or property of the  
23 United States Government that is  
24 sensitive for reasons relating to na-  
25 tional security;

1           “(BB) could reasonably provide  
2           the foreign person the ability to collect  
3           intelligence on activities being con-  
4           ducted at such an installation, facility,  
5           or property; or

6           “(CC) could otherwise expose na-  
7           tional security activities at such an in-  
8           stallation, facility, or property to the  
9           risk of foreign surveillance; and

10          “(III) meets such other criteria  
11          as the Committee prescribes by regu-  
12          lation, except that such criteria may  
13          not expand the categories of real es-  
14          tate to which this clause applies be-  
15          yond the categories described in sub-  
16          clause (II).

17          “(iii) Any other investment, subject to  
18          regulations prescribed under subpara-  
19          graphs (D) and (E), by a foreign person in  
20          any unaffiliated United States business  
21          that—

22          “(I) owns, operates, manufac-  
23          tures, supplies, or services critical in-  
24          frastructure;

1           “(II) produces, designs, tests,  
2 manufactures, fabricates, or develops  
3 one or more critical technologies; or

4           “(III) maintains or collects sen-  
5 sitive personal data of United States  
6 citizens that may be exploited in a  
7 manner that threatens national secu-  
8 rity.

9           “(iv) Any change in the rights that a  
10 foreign person has with respect to a United  
11 States business in which the foreign person  
12 has an investment, if that change could re-  
13 sult in—

14           “(I) foreign control of the United  
15 States business; or

16           “(II) an investment described in  
17 clause (iii).

18           “(v) Any other transaction, transfer,  
19 agreement, or arrangement, the structure  
20 of which is designed or intended to evade  
21 or circumvent the application of this sec-  
22 tion, subject to regulations prescribed by  
23 the Committee.

24           “(C) REAL ESTATE TRANSACTIONS.—

1           “(i) EXCEPTION FOR CERTAIN REAL  
2           ESTATE TRANSACTIONS.—A real estate  
3           purchase, lease, or concession described in  
4           subparagraph (B)(ii) does not include a  
5           purchase, lease, or concession of—

6                       “(I) a single ‘housing unit’, as  
7                       defined by the Census Bureau; or

8                       “(II) real estate in ‘urbanized  
9                       areas’, as defined by the Census Bu-  
10                      reau in the most recent census, except  
11                      as otherwise prescribed by the Com-  
12                      mittee in regulations in consultation  
13                      with the Secretary of Defense.

14           “(ii) DEFINITION OF CLOSE PROX-  
15           IMITY.—With respect to a real estate pur-  
16           chase, lease, or concession described in  
17           subparagraph (B)(ii)(II)(bb)(AA), the  
18           Committee shall prescribe regulations to  
19           ensure that the term ‘close proximity’ re-  
20           fers only to a distance or distances within  
21           which the purchase, lease, or concession of  
22           real estate could pose a national security  
23           risk in connection with a United States  
24           military installation or another facility or

1 property of the United States Government  
2 described in that subparagraph.

3 “(D) OTHER INVESTMENTS.—

4 “(i) OTHER INVESTMENT DEFINED.—

5 For purposes of subparagraph (B)(iii), the  
6 term ‘other investment’ means an invest-  
7 ment, direct or indirect, by a foreign per-  
8 son in a United States business described  
9 in that subparagraph that is not an invest-  
10 ment described in subparagraph (B)(i) and  
11 that affords the foreign person—

12 “(I) access to any material non-  
13 public technical information in the  
14 possession of the United States busi-  
15 ness;

16 “(II) membership or observer  
17 rights on the board of directors or  
18 equivalent governing body of the  
19 United States business or the right to  
20 nominate an individual to a position  
21 on the board of directors or equivalent  
22 governing body; or

23 “(III) any involvement, other  
24 than through voting of shares, in sub-

1           stantive decisionmaking of the United  
2           States business regarding—

3                   “(aa) the use, development,  
4                   acquisition, safekeeping, or re-  
5                   lease of sensitive personal data of  
6                   United States citizens maintained  
7                   or collected by the United States  
8                   business;

9                   “(bb) the use, development  
10                  acquisition, or release of critical  
11                  technologies; or

12                  “(cc) the management, oper-  
13                  ation, manufacture, or supply of  
14                  critical infrastructure.

15                  “(ii) MATERIAL NONPUBLIC TECH-  
16                  NICAL INFORMATION DEFINED.—

17                   “(I) IN GENERAL.—For purposes  
18                   of clause (i)(I), and subject to regula-  
19                   tions prescribed by the Committee,  
20                   the term ‘material nonpublic technical  
21                   information’ means information  
22                   that—

23                           “(aa) provides knowledge,  
24                           know-how, or understanding, not  
25                           available in the public domain, of

1 the design, location, or operation  
2 of critical infrastructure; or

3 “(bb) is not available in the  
4 public domain, and is necessary  
5 to design, fabricate, develop, test,  
6 produce, or manufacture critical  
7 technologies, including processes,  
8 techniques, or methods.

9 “(II) EXEMPTION FOR FINAN-  
10 CIAL INFORMATION.—Notwith-  
11 standing subclause (I), for purposes of  
12 this subparagraph, the term ‘material  
13 nonpublic technical information’ does  
14 not include financial information re-  
15 garding the performance of a United  
16 States business.

17 “(iii) REGULATIONS.—

18 “(I) IN GENERAL.—The Com-  
19 mittee shall prescribe regulations pro-  
20 viding guidance on the types of trans-  
21 actions that the Committee considers  
22 to be ‘other investment’ for purposes  
23 of subparagraph (B)(iii).

24 “(II) UNITED STATES BUSI-  
25 NESSES THAT OWN, OPERATE, MANU-

1 FACTURE, SUPPLY, OR SERVICE CRIT-  
2 ICAL INFRASTRUCTURE.—The regula-  
3 tions prescribed by the Committee  
4 with respect to an investment de-  
5 scribed in subparagraph (B)(iii)(I)  
6 shall—

7 “(aa) specify the critical in-  
8 frastructure subject to that sub-  
9 paragraph based on criteria in-  
10 tended to limit application of  
11 that subparagraph to the subset  
12 of critical infrastructure that is  
13 likely to be of importance to the  
14 national security of the United  
15 States; and

16 “(bb) enumerate specific  
17 types and examples of such crit-  
18 ical infrastructure.

19 “(iv) SPECIFIC CLARIFICATION FOR  
20 INVESTMENT FUNDS.—

21 “(I) TREATMENT OF CERTAIN  
22 INVESTMENT FUND INVESTMENTS.—  
23 Notwithstanding clause (i)(II) and  
24 subject to regulations prescribed by  
25 the Committee, an indirect investment

1 by a foreign person in a United States  
2 business described in subparagraph  
3 (B)(iii) through an investment fund  
4 that affords the foreign person (or a  
5 designee of the foreign person) mem-  
6 bership as a limited partner or equiva-  
7 lent on an advisory board or a com-  
8 mittee of the fund shall not be consid-  
9 ered an ‘other investment’ for pur-  
10 poses of subparagraph (B)(iii) if—

11 “(aa) the fund is managed  
12 exclusively by a general partner,  
13 a managing member, or an equiv-  
14 alent;

15 “(bb) the general partner,  
16 managing member, or equivalent  
17 is not a foreign person;

18 “(cc) the advisory board or  
19 committee does not have the abil-  
20 ity to approve, disapprove, or  
21 otherwise control—

22 “(AA) investment deci-  
23 sions of the fund; or

24 “(BB) decisions made  
25 by the general partner, man-

1                   aging member, or equivalent  
2                   related to entities in which  
3                   the fund is invested;

4                   “(dd) the foreign person  
5                   does not otherwise have the abil-  
6                   ity to control the fund, including  
7                   the authority—

8                   “(AA) to approve, dis-  
9                   approve, or otherwise control  
10                  investment decisions of the  
11                  fund;

12                  “(BB) to approve, dis-  
13                  approve, or otherwise control  
14                  decisions made by the gen-  
15                  eral partner, managing  
16                  member, or equivalent re-  
17                  lated to entities in which the  
18                  fund is invested; or

19                  “(CC) to unilaterally  
20                  dismiss, prevent the dis-  
21                  missal of, select, or deter-  
22                  mine the compensation of  
23                  the general partner, man-  
24                  aging member, or equiva-  
25                  lent;

1           “(ee) the foreign person  
2 does not have access to material  
3 nonpublic technical information  
4 as a result of its participation on  
5 the advisory board or committee;  
6 and

7           “(ff) the investment other-  
8 wise meets the requirements of  
9 this subparagraph.

10           “(II) TREATMENT OF CERTAIN  
11 WAIVERS.—

12           “(aa) IN GENERAL.—For  
13 the purposes of items (cc) and  
14 (dd) of subclause (I) and except  
15 as provided in item (bb), a waiver  
16 of a potential conflict of interest,  
17 a waiver of an allocation limita-  
18 tion, or a similar activity, appli-  
19 cable to a transaction pursuant  
20 to the terms of an agreement  
21 governing an investment fund  
22 shall not be considered to con-  
23 stitute control of investment deci-  
24 sions of the fund or decisions re-

1                   lating to entities in which the  
2                   fund is invested.

3                   “(bb)       EXCEPTION.—The  
4                   Committee may prescribe regula-  
5                   tions providing for exceptions to  
6                   item (aa) for extraordinary cir-  
7                   cumstances.

8                   “(v)    EXCEPTION   FOR   AIR   CAR-  
9                   RIERS.—For purposes of subparagraph  
10                  (B)(iii), the term ‘other investment’ does  
11                  not include an investment involving an air  
12                  carrier, as defined in section 40102(a)(2)  
13                  of title 49, United States Code, that holds  
14                  a certificate issued under section 41102 of  
15                  that title.

16                  “(vi) RULE OF CONSTRUCTION.—Any  
17                  definition of ‘critical infrastructure’ estab-  
18                  lished under any provision of law other  
19                  than this section shall not be determinative  
20                  for purposes of this section.

21                  “(E)    COUNTRY   SPECIFICATION.—The  
22                  Committee shall prescribe regulations that fur-  
23                  ther define the term ‘foreign person’ for pur-  
24                  poses of clauses (ii) and (iii) of subparagraph  
25                  (B). In prescribing such regulations, the Com-

1           committee shall specify criteria to limit the applica-  
2           tion of such clauses to the investments of cer-  
3           tain categories of foreign persons. Such criteria  
4           shall take into consideration how a foreign per-  
5           son is connected to a foreign country or foreign  
6           government, and whether the connection may  
7           affect the national security of the United  
8           States.

9           “(F) TRANSFERS OF CERTAIN ASSETS  
10           PURSUANT TO BANKRUPTCY PROCEEDINGS OR  
11           OTHER DEFAULTS.—The Committee shall pre-  
12           scribe regulations to clarify that the term ‘cov-  
13           ered transaction’ includes any transaction de-  
14           scribed in subparagraph (B) that arises pursu-  
15           ant to a bankruptcy proceeding or other form  
16           of default on debt.

17           “(5) CRITICAL INFRASTRUCTURE.—The term  
18           ‘critical infrastructure’ means, subject to regulations  
19           prescribed by the Committee, systems and assets,  
20           whether physical or virtual, so vital to the United  
21           States that the incapacity or destruction of such sys-  
22           tems or assets would have a debilitating impact on  
23           national security.

24           “(6) CRITICAL TECHNOLOGIES.—

1           “(A) IN GENERAL.—The term ‘critical  
2 technologies’ means the following:

3           “(i) Defense articles or defense serv-  
4 ices included on the United States Muni-  
5 tions List set forth in the International  
6 Traffic in Arms Regulations under sub-  
7 chapter M of chapter I of title 22, Code of  
8 Federal Regulations.

9           “(ii) Items included on the Commerce  
10 Control List set forth in Supplement No. 1  
11 to part 774 of the Export Administration  
12 Regulations under subchapter C of chapter  
13 VII of title 15, Code of Federal Regula-  
14 tions, and controlled—

15           “(I) pursuant to multilateral re-  
16 gimes, including for reasons relating  
17 to national security, chemical and bio-  
18 logical weapons proliferation, nuclear  
19 nonproliferation, or missile tech-  
20 nology; or

21           “(II) for reasons relating to re-  
22 gional stability or surreptitious listen-  
23 ing.

24           “(iii) Specially designed and prepared  
25 nuclear equipment, parts and components,

1 materials, software, and technology covered  
2 by part 810 of title 10, Code of Federal  
3 Regulations (relating to assistance to for-  
4 eign atomic energy activities).

5 “(iv) Nuclear facilities, equipment,  
6 and material covered by part 110 of title  
7 10, Code of Federal Regulations (relating  
8 to export and import of nuclear equipment  
9 and material).

10 “(v) Select agents and toxins covered  
11 by part 331 of title 7, Code of Federal  
12 Regulations, part 121 of title 9 of such  
13 Code, or part 73 of title 42 of such Code.

14 “(vi) Emerging and foundational tech-  
15 nologies controlled pursuant to section  
16 1758 of the Export Control Reform Act of  
17 2018.

18 “(B) RECOMMENDATIONS.—

19 “(i) IN GENERAL.—The chairperson  
20 may recommend technologies for identifica-  
21 tion under the interagency process set  
22 forth in section 1758(a) of the Export  
23 Control Reform Act of 2018.

24 “(ii) MATTERS INFORMING REC-  
25 OMMENDATIONS.—Recommendations by

1 the chairperson under clause (i) shall draw  
2 upon information arising from reviews and  
3 investigations conducted under subsection  
4 (b), notices submitted under subsection  
5 (b)(1)(C)(i), declarations filed under sub-  
6 section (b)(1)(C)(v), and non-notified and  
7 non-declared transactions identified under  
8 subsection (b)(1)(H).

9 “(7) FOREIGN GOVERNMENT-CONTROLLED  
10 TRANSACTION.—The term ‘foreign government-con-  
11 trolled transaction’ means any covered transaction  
12 that could result in the control of any United States  
13 business by a foreign government or an entity con-  
14 trolled by or acting on behalf of a foreign govern-  
15 ment.

16 “(8) INTELLIGENCE COMMUNITY.—The term  
17 ‘intelligence community’ has the meaning given that  
18 term in section 3(4) of the National Security Act of  
19 1947 (50 U.S.C. 3003(4)).

20 “(9) INVESTMENT.—The term ‘investment’  
21 means the acquisition of equity interest, including  
22 contingent equity interest, as further defined in reg-  
23 ulations prescribed by the Committee.



1 shall provide comments on a  
2 draft or formal written notice or  
3 accept a formal written notice  
4 submitted under subclause (I)  
5 with respect to a covered trans-  
6 action not later than the date  
7 that is 10 business days after the  
8 date of submission of the draft or  
9 formal written notice.

10 “(bb) COMPLETENESS.—If  
11 the Committee determines that a  
12 draft or formal written notice de-  
13 scribed in item (aa) is not com-  
14 plete, the Committee shall notify  
15 the party or parties to the trans-  
16 action in writing that the notice  
17 is not complete and provide an  
18 explanation of all material re-  
19 spects in which the notice is in-  
20 complete.

21 “(cc) STIPULATIONS RE-  
22 QUIRED.—The timing require-  
23 ment under item (aa) shall apply  
24 only in a case in which the par-  
25 ties stipulate under clause (vi)

1 that the transaction is a covered  
2 transaction.”.

3 **SEC. 1705. INCLUSION OF PARTNERSHIP AND SIDE AGREE-**  
4 **MENTS IN NOTICE.**

5 Section 721(b)(1)(C) of the Defense Production Act  
6 of 1950 (50 U.S.C. 4565(b)(1)(C)) is amended by adding  
7 at the end the following:

8 “(iv) INCLUSION OF PARTNERSHIP  
9 AND SIDE AGREEMENTS.—The Committee  
10 may require a written notice submitted  
11 under clause (i) to include a copy of any  
12 partnership agreements, integration agree-  
13 ments, or other side agreements relating to  
14 the transaction, as specified in regulations  
15 prescribed by the Committee.”.

16 **SEC. 1706. DECLARATIONS FOR CERTAIN COVERED TRANS-**  
17 **ACTIONS.**

18 Section 721(b)(1)(C) of the Defense Production Act  
19 of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section  
20 1705, is further amended by adding at the end the fol-  
21 lowing:

22 “(v) DECLARATIONS FOR CERTAIN  
23 COVERED TRANSACTIONS.—

24 “(I) IN GENERAL.—A party to  
25 any covered transaction may submit

1 to the Committee a declaration with  
2 basic information regarding the trans-  
3 action instead of a written notice  
4 under clause (i).

5 “(II) REGULATIONS.—The Com-  
6 mittee shall prescribe regulations es-  
7 tablishing requirements for declara-  
8 tions submitted under this clause. In  
9 prescribing such regulations, the Com-  
10 mittee shall ensure that such declara-  
11 tions are submitted as abbreviated no-  
12 tifications that would not generally ex-  
13 ceed 5 pages in length.

14 “(III) COMMITTEE RESPONSE TO  
15 DECLARATION.—

16 “(aa) IN GENERAL.—Upon  
17 receiving a declaration under this  
18 clause with respect to a covered  
19 transaction, the Committee may,  
20 at the discretion of the Com-  
21 mittee—

22 “(AA) request that the  
23 parties to the transaction  
24 file a written notice under  
25 clause (i);

1                   “(BB) inform the par-  
2 ties to the transaction that  
3 the Committee is not able to  
4 complete action under this  
5 section with respect to the  
6 transaction on the basis of  
7 the declaration and that the  
8 parties may file a written  
9 notice under clause (i) to  
10 seek written notification  
11 from the Committee that the  
12 Committee has completed all  
13 action under this section  
14 with respect to the trans-  
15 action;

16                   “(CC) initiate a unilat-  
17 eral review of the trans-  
18 action under subparagraph  
19 (D); or

20                   “(DD) notify the par-  
21 ties in writing that the Com-  
22 mittee has completed all ac-  
23 tion under this section with  
24 respect to the transaction.

1           “(bb) TIMING.—The Com-  
2           mittee shall take action under  
3           item (aa) not later than 30 days  
4           after receiving a declaration  
5           under this clause.

6           “(cc) RULE OF CONSTRUC-  
7           TION.—Nothing in this subclause  
8           (other than item (aa)(CC)) shall  
9           be construed to affect the author-  
10          ity of the President or the Com-  
11          mittee to take any action author-  
12          ized by this section with respect  
13          to a covered transaction.

14          “(IV) MANDATORY DECLARA-  
15          TIONS.—

16               “(aa) REGULATIONS.—The  
17               Committee shall prescribe regula-  
18               tions specifying the types of cov-  
19               ered transactions for which the  
20               Committee requires a declaration  
21               under this subclause.

22               “(bb) CERTAIN COVERED  
23               TRANSACTIONS WITH FOREIGN  
24               GOVERNMENT INTERESTS.—

1                   “(AA) IN GENERAL.—  
2                   Except as provided in  
3                   subitem (BB), the parties to  
4                   a covered transaction shall  
5                   submit a declaration de-  
6                   scribed in subclause (I) with  
7                   respect to the transaction if  
8                   the transaction involves an  
9                   investment that results in  
10                  the acquisition, directly or  
11                  indirectly, of a substantial  
12                  interest in a United States  
13                  business described in sub-  
14                  section (a)(4)(B)(iii) by a  
15                  foreign person in which a  
16                  foreign government has, di-  
17                  rectly or indirectly, a sub-  
18                  stantial interest.

19                  “(BB) SUBSTANTIAL  
20                  INTEREST DEFINED.—In  
21                  this item, the term ‘substan-  
22                  tial interest’ has the mean-  
23                  ing given that term in regu-  
24                  lations which the Committee  
25                  shall prescribe. In devel-

1           oping those regulations, the  
2           Committee shall consider the  
3           means by which a foreign  
4           government could influence  
5           the actions of a foreign per-  
6           son, including through board  
7           membership, ownership in-  
8           terest, or shareholder rights.  
9           An interest that is excluded  
10          under subparagraph (D) of  
11          subsection (a)(4) from the  
12          term ‘other investment’ as  
13          used in subparagraph  
14          (B)(iii) of that subsection or  
15          that is less than a 10 per-  
16          cent voting interest shall not  
17          be considered a substantial  
18          interest.

19                   “(CC) WAIVER.—The  
20                   Committee may waive, with  
21                   respect to a foreign person,  
22                   the requirement under  
23                   subitem (AA) for the sub-  
24                   mission of a declaration de-  
25                   scribed in subclause (I) if

1 the Committee determines  
2 that the foreign person dem-  
3 onstrates that the invest-  
4 ments of the foreign person  
5 are not directed by a foreign  
6 government and the foreign  
7 person has a history of co-  
8 operation with the Com-  
9 mittee.

10 “(cc) OTHER DECLARATIONS  
11 REQUIRED BY COMMITTEE.—The  
12 Committee may require the sub-  
13 mission of a declaration described  
14 in subclause (I) with respect to  
15 any covered transaction identified  
16 under regulations prescribed by  
17 the Committee for purposes of  
18 this item, at the discretion of the  
19 Committee, that involves a  
20 United States business described  
21 in subsection (a)(4)(B)(iii)(II).

22 “(dd) EXCEPTION.—The  
23 submission of a declaration de-  
24 scribed in subclause (I) shall not  
25 be required pursuant to this sub-

1 clause with respect to an invest-  
2 ment by an investment fund if—  
3 “(AA) the fund is man-  
4 aged exclusively by a general  
5 partner, a managing mem-  
6 ber, or an equivalent;  
7 “(BB) the general part-  
8 ner, managing member, or  
9 equivalent is not a foreign  
10 person; and  
11 “(CC) the investment  
12 fund satisfies, with respect  
13 to any foreign person with  
14 membership as a limited  
15 partner on an advisory  
16 board or a committee of the  
17 fund, the criteria specified in  
18 items (cc) and (dd) of sub-  
19 section (a)(4)(D)(iv).  
20 “(ee) SUBMISSION OF WRIT-  
21 TEN NOTICE AS AN ALTER-  
22 NATIVE.—Parties to a covered  
23 transaction for which a declara-  
24 tion is required under this sub-  
25 clause may instead elect to sub-

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mit a written notice under clause  
(i).

“(ff) TIMING AND REFILEING  
OF SUBMISSION.—

“(AA) IN GENERAL.—  
In the regulations prescribed  
under item (aa), the Com-  
mittee may not require a  
declaration to be submitted  
under this subclause with re-  
spect to a covered trans-  
action more than 45 days  
before the completion of the  
transaction.

“(BB) REFILEING OF  
DECLARATION.—The Com-  
mittee may not request or  
recommend that a declara-  
tion submitted under this  
subclause be withdrawn and  
refiled, except to permit par-  
ties to a covered transaction  
to correct material errors or  
omissions in the declaration

1 submitted with respect to  
2 that transaction.

3 “(gg) PENALTIES.—The  
4 Committee may impose a penalty  
5 pursuant to subsection (h)(3)  
6 with respect to a party that fails  
7 to comply with this subclause.”.

8 **SEC. 1707. STIPULATIONS REGARDING TRANSACTIONS.**

9 Section 721(b)(1)(C) of the Defense Production Act  
10 of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section  
11 1706, is further amended by adding at the end the fol-  
12 lowing:

13 “(vi) STIPULATIONS REGARDING  
14 TRANSACTIONS.—

15 “(I) IN GENERAL.—In a written  
16 notice submitted under clause (i) or a  
17 declaration submitted under clause (v)  
18 with respect to a transaction, a party  
19 to the transaction may—

20 “(aa) stipulate that the  
21 transaction is a covered trans-  
22 action; and

23 “(bb) if the party stipulates  
24 that the transaction is a covered  
25 transaction under item (aa), stip-

1                   ulate that the transaction is a  
2                   foreign     government-controlled  
3                   transaction.

4                   “(II) BASIS FOR STIPULATION.—  
5                   A written notice submitted under  
6                   clause (i) or a declaration submitted  
7                   under clause (v) that includes a stipu-  
8                   lation under subclause (I) shall in-  
9                   clude a description of the basis for the  
10                  stipulation.”.

11 **SEC. 1708. AUTHORITY FOR UNILATERAL INITIATION OF**  
12 **REVIEWS.**

13                  Section 721(b)(1) of the Defense Production Act of  
14 1950 (50 U.S.C. 4565(b)(1)) is amended—

15                  (1) by redesignating subparagraphs (E) and  
16                  (F) as subparagraphs (F) and (G), respectively;

17                  (2) in subparagraph (D)—

18                         (A) in the matter preceding clause (i), by  
19                         striking “subparagraph (F)” and inserting  
20                         “subparagraph (G)”;

21                         (B) in clause (i), by inserting “(other than  
22                         a covered transaction described in subpara-  
23                         graph (E))” after “any covered transaction”;

24                         (C) by striking clause (ii) and inserting the  
25                         following:

- 1           “(ii) any covered transaction described  
2           in subparagraph (E), if any party to the  
3           transaction submitted false or misleading  
4           material information to the Committee in  
5           connection with the Committee’s consider-  
6           ation of the transaction or omitted mate-  
7           rial information, including material docu-  
8           ments, from information submitted to the  
9           Committee; or”;
- 10          (D) in clause (iii)—
- 11           (i) in the matter preceding subclause  
12          (I), by striking “any covered transaction  
13          that has previously been reviewed or inves-  
14          tigated under this section,” and inserting  
15          “any covered transaction described in sub-  
16          paragraph (E),”;
- 17           (ii) in subclause (I), by striking “in-  
18          tentionally”;
- 19           (iii) in subclause (II), by striking “an  
20          intentional” and inserting “a”; and
- 21           (iv) in subclause (III), by inserting  
22          “adequate and appropriate” before “rem-  
23          edies or enforcement tools”; and
- 24          (3) by inserting after subparagraph (D) the fol-  
25          lowing:

1           “(E) COVERED TRANSACTIONS DE-  
2           SCRIBED.—A covered transaction is described  
3           in this subparagraph if—

4                   “(i) the Committee has informed the  
5                   parties to the transaction in writing that  
6                   the Committee has completed all action  
7                   under this section with respect to the  
8                   transaction; or

9                   “(ii) the President has announced a  
10                  decision not to exercise the President’s au-  
11                  thority under subsection (d) with respect  
12                  to the transaction.”.

13 **SEC. 1709. TIMING FOR REVIEWS AND INVESTIGATIONS.**

14           Section 721(b) of the Defense Production Act of  
15           1950 (50 U.S.C. 4565(b)), as amended by section 1708,  
16           is further amended—

17                   (1) in paragraph (1)(F), by striking “30” and  
18                   inserting “45”;

19                   (2) in paragraph (2), by striking subparagraph  
20                   (C) and inserting the following:

21                           “(C) TIMING.—

22                                   “(i) IN GENERAL.—Except as pro-  
23                                   vided in clause (ii), any investigation under  
24                                   subparagraph (A) shall be completed be-  
25                                   fore the end of the 45-day period begin-

1                   ning on the date on which the investigation  
2                   commenced.

3                   “(ii) EXTENSION FOR EXTRAOR-  
4                   DINARY CIRCUMSTANCES.—

5                   “(I) IN GENERAL.—In extraor-  
6                   dinary circumstances (as defined by  
7                   the Committee in regulations), the  
8                   chairperson may, at the request of the  
9                   head of the lead agency, extend an in-  
10                  vestigation under subparagraph (A)  
11                  for one 15-day period.

12                  “(II) NONDELEGATION.—The  
13                  authority of the chairperson and the  
14                  head of the lead agency referred to in  
15                  subclause (I) may not be delegated to  
16                  any person other than the Deputy  
17                  Secretary of the Treasury or the dep-  
18                  uty head (or equivalent thereof) of the  
19                  lead agency, as the case may be.

20                  “(III) NOTIFICATION TO PAR-  
21                  TIES.—If the Committee extends the  
22                  deadline under subclause (I) with re-  
23                  spect to a covered transaction, the  
24                  Committee shall notify the parties to  
25                  the transaction of the extension.”; and

1 (3) by adding at the end the following:

2 “(8) TOLLING OF DEADLINES DURING LAPSE IN  
3 APPROPRIATIONS.—Any deadline or time limitation  
4 under this subsection shall be tolled during a lapse  
5 in appropriations.”.

6 **SEC. 1710. IDENTIFICATION OF NON-NOTIFIED AND NON-**  
7 **DECLARED TRANSACTIONS.**

8 Section 721(b)(1) of the Defense Production Act of  
9 1950 (50 U.S.C. 4565(b)(1)), as amended by sections  
10 1708 and 1709, is further amended by adding at the end  
11 the following:

12 “(H) IDENTIFICATION OF NON-NOTIFIED  
13 AND NON-DECLARED TRANSACTIONS.—The  
14 Committee shall establish a process to identify  
15 covered transactions for which—

16 “(i) a notice under clause (i) of sub-  
17 paragraph (C) or a declaration under  
18 clause (v) of that subparagraph is not sub-  
19 mitted to the Committee; and

20 “(ii) information is reasonably avail-  
21 able.”.

22 **SEC. 1711. SUBMISSION OF CERTIFICATIONS TO CONGRESS.**

23 Section 721(b)(3)(C) of the Defense Production Act  
24 of 1950 (50 U.S.C. 4565(b)(3)(C)) is amended—

1 (1) in clause (i), by striking subclause (II) and  
2 inserting the following:

3 “(II) a certification that all rel-  
4 evant national security factors have  
5 received full consideration.”;

6 (2) in clause (iv), by striking subclause (II) and  
7 inserting the following:

8 “(II) DELEGATION OF CERTIFI-  
9 CATIONS.—

10 “(aa) IN GENERAL.—Sub-  
11 ject to item (bb), the chairperson,  
12 in consultation with the Com-  
13 mittee, may determine the level  
14 of official to whom the signature  
15 requirement under subclause (I)  
16 for the chairperson and the head  
17 of the lead agency may be dele-  
18 gated. The level of official to  
19 whom the signature requirement  
20 may be delegated may differ  
21 based on any factor relating to a  
22 transaction that the chairperson,  
23 in consultation with the Com-  
24 mittee, deems appropriate, in-

1 including the type or value of the  
2 transaction.

3 “(bb) LIMITATION ON DELE-  
4 GATION WITH RESPECT TO CER-  
5 TAIN TRANSACTIONS.—The sig-  
6 nature requirement under sub-  
7 clause (I) may be delegated not  
8 below the level of the Assistant  
9 Secretary of the Treasury or an  
10 equivalent official of the lead  
11 agency.”; and

12 (3) by adding at the end the following:

13 “(v) AUTHORITY TO CONSOLIDATE  
14 DOCUMENTS.—Instead of transmitting a  
15 separate certified notice or certified report  
16 under subparagraph (A) or (B) with re-  
17 spect to each covered transaction, the  
18 Committee may, on a monthly basis, trans-  
19 mit such notices and reports in a consoli-  
20 dated document to the Members of Con-  
21 gress specified in clause (iii).”.

22 **SEC. 1712. ANALYSIS BY DIRECTOR OF NATIONAL INTEL-**  
23 **LIGENCE.**

24 Section 721(b)(4) of the Defense Production Act of  
25 1950 (50 U.S.C. 4565(b)(4)) is amended—

1           (1) by striking subparagraph (A) and inserting  
2           the following:

3                   “(A) ANALYSIS REQUIRED.—

4                           “(i) IN GENERAL.—Except as pro-  
5                           vided in subparagraph (B), the Director of  
6                           National Intelligence shall expeditiously  
7                           carry out a thorough analysis of any threat  
8                           to the national security of the United  
9                           States posed by any covered transaction,  
10                           which shall include the identification of  
11                           any recognized gaps in the collection of in-  
12                           telligence relevant to the analysis.

13                           “(ii) VIEWS OF INTELLIGENCE COM-  
14                           MUNITY.—The Director shall seek and in-  
15                           corporate into the analysis required by  
16                           clause (i) the views of all affected or ap-  
17                           propriate agencies of the intelligence com-  
18                           munity with respect to the transaction.

19                           “(iii) UPDATES.—At the request of  
20                           the lead agency, the Director shall update  
21                           the analysis conducted under clause (i)  
22                           with respect to a covered transaction with  
23                           respect to which an agreement was entered  
24                           into under subsection (1)(3)(A).

1           “(iv) INDEPENDENCE AND OBJEC-  
2           TIVITY.—The Committee shall ensure that  
3           its processes under this section preserve  
4           the ability of the Director to conduct anal-  
5           ysis under clause (i) that is independent,  
6           objective, and consistent with all applicable  
7           directives, policies, and analytic tradecraft  
8           standards of the intelligence community.”;

9           (2) by redesignating subparagraphs (B), (C),  
10          and (D) as subparagraphs (C), (D), and (E), respec-  
11          tively;

12          (3) by inserting after subparagraph (A) the fol-  
13          lowing:

14               “(B) BASIC THREAT INFORMATION.—

15                   “(i) IN GENERAL.—The Director of  
16                   National Intelligence may provide the  
17                   Committee with basic information regard-  
18                   ing any threat to the national security of  
19                   the United States posed by a covered  
20                   transaction described in clause (ii) instead  
21                   of conducting the analysis required by sub-  
22                   paragraph (A).

23                   “(ii) COVERED TRANSACTION DE-  
24                   SCRIBED.—A covered transaction is de-  
25                   scribed in this clause if—

1                   “(I) the transaction is described  
2                   in subsection (a)(4)(B)(ii);

3                   “(II) the Director of National In-  
4                   telligence has completed an analysis  
5                   pursuant to subparagraph (A) involv-  
6                   ing each foreign person that is a party  
7                   to the transaction during the 12  
8                   months preceding the review or inves-  
9                   tigation of the transaction under this  
10                  section; or

11                  “(III) the transaction otherwise  
12                  meets criteria agreed upon by the  
13                  Committee and the Director for pur-  
14                  poses of this subparagraph.”;

15                  (4) in subparagraph (C), as redesignated by  
16                  paragraph (2), by striking “20” and inserting “30”;  
17                  and

18                  (5) by adding at the end the following:

19                  “(F) ASSESSMENT OF OPERATIONAL IM-  
20                  PACT.—The Director may provide to the Com-  
21                  mittee an assessment, separate from the anal-  
22                  yses under subparagraphs (A) and (B), of any  
23                  operational impact of a covered transaction on  
24                  the intelligence community and a description of

1 any actions that have been or will be taken to  
2 mitigate any such impact.

3 “(G) SUBMISSION TO CONGRESS.—The  
4 Committee shall submit the analysis required by  
5 subparagraph (A) with respect to a covered  
6 transaction to the Select Committee on Intel-  
7 ligence of the Senate and the Permanent Select  
8 Committee on Intelligence of the House of Rep-  
9 resentatives upon the conclusion of action under  
10 this section (other than compliance plans under  
11 subsection (l)(6)) with respect to the trans-  
12 action.”.

13 **SEC. 1713. INFORMATION SHARING.**

14 Section 721(c) of the Defense Production Act of 1950  
15 (50 U.S.C. 4565(c)) is amended—

16 (1) by striking “Any information” and inserting  
17 the following:

18 “(1) IN GENERAL.—Except as provided in para-  
19 graph (2), any information”;

20 (2) by striking “, except as may be relevant”  
21 and all that follows and inserting a period; and

22 (3) by adding at the end the following:

23 “(2) EXCEPTIONS.—Paragraph (1) shall not  
24 prohibit the disclosure of the following:

1           “(A) Information relevant to any adminis-  
2           trative or judicial action or proceeding.

3           “(B) Information to Congress or any duly  
4           authorized committee or subcommittee of Con-  
5           gress.

6           “(C) Information important to the national  
7           security analysis or actions of the Committee to  
8           any domestic governmental entity, or to any  
9           foreign governmental entity of a United States  
10          ally or partner, under the exclusive direction  
11          and authorization of the chairperson, only to  
12          the extent necessary for national security pur-  
13          poses, and subject to appropriate confidentiality  
14          and classification requirements.

15          “(D) Information that the parties have  
16          consented to be disclosed to third parties.

17          “(3) COOPERATION WITH ALLIES AND PART-  
18          NERS.—

19                 “(A) IN GENERAL.—The chairperson, in  
20                 consultation with other members of the Com-  
21                 mittee, should establish a formal process for the  
22                 exchange of information under paragraph  
23                 (2)(C) with governments of countries that are  
24                 allies or partners of the United States, in the  
25                 discretion of the chairperson, to protect the na-

1 tional security of the United States and those  
2 countries.

3 “(B) REQUIREMENTS.—The process estab-  
4 lished under subparagraph (A) should, in the  
5 discretion of the chairperson—

6 “(i) be designed to facilitate the har-  
7 monization of action with respect to trends  
8 in investment and technology that could  
9 pose risks to the national security of the  
10 United States and countries that are allies  
11 or partners of the United States;

12 “(ii) provide for the sharing of infor-  
13 mation with respect to specific technologies  
14 and entities acquiring such technologies as  
15 appropriate to ensure national security;  
16 and

17 “(iii) include consultations and meet-  
18 ings with representatives of the govern-  
19 ments of such countries on a recurring  
20 basis.”.

21 **SEC. 1714. ACTION BY THE PRESIDENT.**

22 Section 721(d)(2) of the Defense Production Act of  
23 1950 (50 U.S.C. 4565(d)(2)) is amended by striking “not  
24 later than 15 days” and all that follows and inserting the

1 following: “with respect to a covered transaction not later  
2 than 15 days after the earlier of—

3 “(A) the date on which the investigation of  
4 the transaction under subsection (b) is com-  
5 pleted; or

6 “(B) the date on which the Committee oth-  
7 erwise refers the transaction to the President  
8 under subsection (l)(2).”.

9 **SEC. 1715. JUDICIAL REVIEW.**

10 Section 721(e) of the Defense Production Act of 1950  
11 (50 U.S.C. 4565(e)) is amended—

12 (1) by striking “The actions” and inserting the  
13 following:

14 “(1) IN GENERAL.—The actions”; and

15 (2) by adding at the end the following:

16 “(2) CIVIL ACTIONS.—A civil action challenging  
17 an action or finding under this section may be  
18 brought only in the United States Court of Appeals  
19 for the District of Columbia Circuit.

20 “(3) PROCEDURES FOR REVIEW OF PRIVILEGED  
21 INFORMATION.—If a civil action challenging an ac-  
22 tion or finding under this section is brought, and the  
23 court determines that protected information in the  
24 administrative record, including classified or other  
25 information subject to privilege or protections under

1 any provision of law, is necessary to resolve the chal-  
2 lenge, that information shall be submitted ex parte  
3 and in camera to the court and the court shall main-  
4 tain that information under seal.

5 “(4) APPLICABILITY OF USE OF INFORMATION  
6 PROVISIONS.—The use of information provisions of  
7 sections 106, 305, 405, and 706 of the Foreign In-  
8 telligence Surveillance Act of 1978 (50 U.S.C. 1806,  
9 1825, 1845, and 1881e) shall not apply in a civil ac-  
10 tion brought under this subsection.”.

11 **SEC. 1716. CONSIDERATIONS FOR REGULATIONS.**

12 Section 721(h) of the Defense Production Act of  
13 1950 (50 U.S.C. 4565(h)) is amended—

14 (1) by striking paragraph (2);

15 (2) by redesignating paragraph (3) as para-  
16 graph (2); and

17 (3) in paragraph (2), as redesignated—

18 (A) in subparagraph (A), by striking “in-  
19 cluding any mitigation” and all that follows  
20 through “subsection (1)” and inserting “includ-  
21 ing any mitigation agreement entered into, con-  
22 ditions imposed, or order issued pursuant to  
23 this section”;

24 (B) in subparagraph (B)(ii), by striking  
25 “and” at the end;

1 (C) in subparagraph (C), by striking the  
2 period at the end and inserting “; and”; and

3 (D) by adding at the end the following:

4 “(D) provide that, in any review or inves-  
5 tigation of a covered transaction conducted by  
6 the Committee under subsection (b), the Com-  
7 mittee should—

8 “(i) consider the factors specified in  
9 subsection (f); and

10 “(ii) as appropriate, require parties to  
11 provide to the Committee the information  
12 necessary to consider such factors.”.

13 **SEC. 1717. MEMBERSHIP AND STAFF OF COMMITTEE.**

14 (a) **HIRING AUTHORITY.**—Section 721(k) of the De-  
15 fense Production Act of 1950 (50 U.S.C. 4565(k)) is  
16 amended by striking paragraph (4) and inserting the fol-  
17 lowing:

18 “(4) **HIRING AUTHORITY.**—

19 “(A) **SENIOR OFFICIALS.**—

20 “(i) **IN GENERAL.**—Each member of  
21 the Committee shall designate an Assistant  
22 Secretary, or an equivalent official, who is  
23 appointed by the President, by and with  
24 the advice and consent of the Senate, to  
25 carry out such duties related to the Com-

1                   mittee as the member of the Committee  
2                   may delegate.

3                   “(ii) DEPARTMENT OF THE TREAS-  
4                   URY.—

5                   “(I) IN GENERAL.—There shall  
6                   be established in the Office of Inter-  
7                   national Affairs at the Department of  
8                   the Treasury 2 additional positions of  
9                   Assistant Secretary of the Treasury,  
10                  who shall be appointed by the Presi-  
11                  dent, by and with the advice and con-  
12                  sent of the Senate, to carry out such  
13                  duties related to the Committee as the  
14                  Secretary of the Treasury may dele-  
15                  gate, consistent with this section.

16                  “(II) ASSISTANT SECRETARY FOR  
17                  INVESTMENT SECURITY.—One of the  
18                  positions of Assistant Secretary of the  
19                  Treasury authorized under subclause  
20                  (I) shall be the Assistant Secretary  
21                  for Investment Security, whose duties  
22                  shall be principally related to the  
23                  Committee, as delegated by the Sec-  
24                  retary of the Treasury under this sec-  
25                  tion.

1           “(B) SPECIAL HIRING AUTHORITY.—The  
2           heads of the departments and agencies rep-  
3           resented on the Committee may appoint, with-  
4           out regard to the provisions of sections 3309  
5           through 3318 of title 5, United States Code,  
6           candidates directly to positions in the competi-  
7           tive service (as defined in section 2102 of that  
8           title) in their respective departments and agen-  
9           cies. The primary responsibility of positions au-  
10          thorized under the preceding sentence shall be  
11          to administer this section.”.

12          (b) PROCEDURES FOR RECUSAL OF MEMBERS OF  
13          COMMITTEE FOR CONFLICTS OF INTEREST.—Not later  
14          than 90 days after the date of the enactment of this Act,  
15          the Committee on Foreign Investment in the United  
16          States shall—

17                (1) establish procedures for the recusal of any  
18                member of the Committee that has a conflict of in-  
19                terest with respect to a covered transaction (as de-  
20                fined in section 721(a) of the Defense Production  
21                Act of 1950, as amended by section 1703);

22                (2) submit to the Committee on Banking,  
23                Housing, and Urban Affairs of the Senate and the  
24                Committee on Financial Services of the House of

1 Representatives a report describing those proce-  
2 dures; and

3 (3) brief the committees specified in paragraph  
4 (1) on the report required by paragraph (2).

5 **SEC. 1718. ACTIONS BY THE COMMITTEE TO ADDRESS NA-**  
6 **TIONAL SECURITY RISKS.**

7 Section 721(1) of the Defense Production Act of 1950  
8 (50 U.S.C. 4565(1)) is amended—

9 (1) in the subsection heading, by striking  
10 “MITIGATION, TRACKING, AND POSTCONSUMMATION  
11 MONITORING AND ENFORCEMENT” and inserting  
12 “ACTIONS BY THE COMMITTEE TO ADDRESS NA-  
13 TIONAL SECURITY RISKS”;

14 (2) by redesignating paragraphs (1), (2), and  
15 (3) as paragraphs (3), (5), and (6), respectively;

16 (3) by inserting before paragraph (3), as reded-  
17 icated by paragraph (2), the following:

18 “(1) SUSPENSION OF TRANSACTIONS.—The  
19 Committee, acting through the chairperson, may  
20 suspend a proposed or pending covered transaction  
21 that may pose a risk to the national security of the  
22 United States for such time as the covered trans-  
23 action is under review or investigation under sub-  
24 section (b).

1           “(2) REFERRAL TO PRESIDENT.—The Com-  
2           mittee may, at any time during the review or inves-  
3           tigation of a covered transaction under subsection  
4           (b), complete the action of the Committee with re-  
5           spect to the transaction and refer the transaction to  
6           the President for action pursuant to subsection  
7           (d).”;

8           (4) in paragraph (3), as redesignated by para-  
9           graph (2)—

10           (A) in subparagraph (A)—

11           (i) in the subparagraph heading, by  
12           striking “IN GENERAL” and inserting  
13           “AGREEMENTS AND CONDITIONS”;

14           (ii) by striking “The Committee” and  
15           inserting the following:

16           “(i) IN GENERAL.—The Committee”;

17           (iii) by striking “threat” and inserting  
18           “risk”; and

19           (iv) by adding at the end the fol-  
20           lowing:

21           “(ii) ABANDONMENT OF TRANS-  
22           ACTIONS.—If a party to a covered trans-  
23           action has voluntarily chosen to abandon  
24           the transaction, the Committee or lead  
25           agency, as the case may be, may negotiate,

1 enter into or impose, and enforce any  
2 agreement or condition with any party to  
3 the covered transaction for purposes of ef-  
4 fectuating such abandonment and miti-  
5 gating any risk to the national security of  
6 the United States that arises as a result of  
7 the covered transaction.

8 “(iii) AGREEMENTS AND CONDITIONS  
9 RELATING TO COMPLETED TRANS-  
10 ACTIONS.—The Committee or lead agency,  
11 as the case may be, may negotiate, enter  
12 into or impose, and enforce any agreement  
13 or condition with any party to a completed  
14 covered transaction in order to mitigate  
15 any interim risk to the national security of  
16 the United States that may arise as a re-  
17 sult of the covered transaction until such  
18 time that the Committee has completed ac-  
19 tion pursuant to subsection (b) or the  
20 President has taken action pursuant to  
21 subsection (d) with respect to the trans-  
22 action.”; and

23 (B) by striking subparagraph (B) and in-  
24 serting the following:

1           “(B) TREATMENT OF OUTDATED AGREE-  
2 MENTS OR CONDITIONS.—The chairperson and  
3 the head of the lead agency shall periodically  
4 review the appropriateness of an agreement or  
5 condition imposed under subparagraph (A) and  
6 terminate, phase out, or otherwise amend the  
7 agreement or condition if a threat no longer re-  
8 quires mitigation through the agreement or con-  
9 dition.

10           “(C) LIMITATIONS.—An agreement may  
11 not be entered into or condition imposed under  
12 subparagraph (A) with respect to a covered  
13 transaction unless the Committee determines  
14 that the agreement or condition resolves the na-  
15 tional security concerns posed by the trans-  
16 action, taking into consideration whether the  
17 agreement or condition is reasonably calculated  
18 to—

19                   “(i) be effective;

20                   “(ii) allow for compliance with the  
21 terms of the agreement or condition in an  
22 appropriately verifiable way; and

23                   “(iii) enable effective monitoring of  
24 compliance with and enforcement of the  
25 terms of the agreement or condition.

1           “(D) JURISDICTION.—The provisions of  
2 section 706(b) shall apply to any mitigation  
3 agreement entered into or condition imposed  
4 under subparagraph (A).”;

5           (5) by inserting after paragraph (3), as redesign-  
6 nated by paragraph (2), the following:

7           “(4) RISK-BASED ANALYSIS REQUIRED.—

8           “(A) IN GENERAL.—Any determination of  
9 the Committee to suspend a covered transaction  
10 under paragraph (1), to refer a covered trans-  
11 action to the President under paragraph (2), or  
12 to negotiate, enter into or impose, or enforce  
13 any agreement or condition under paragraph  
14 (3)(A) with respect to a covered transaction,  
15 shall be based on a risk-based analysis, con-  
16 ducted by the Committee, of the effects on the  
17 national security of the United States of the  
18 covered transaction, which shall include an as-  
19 sessment of the threat, vulnerabilities, and con-  
20 sequences to national security related to the  
21 transaction.

22           “(B) ACTIONS OF MEMBERS OF THE COM-  
23 MITTEE.—

24           “(i) IN GENERAL.—Any member of  
25 the Committee who concludes that a cov-

1           ered transaction poses an unresolved na-  
2           tional security concern shall recommend to  
3           the Committee that the Committee sus-  
4           pend the transaction under paragraph (1),  
5           refer the transaction to the President  
6           under paragraph (2), or negotiate, enter  
7           into or impose, or enforce any agreement  
8           or condition under paragraph (3)(A) with  
9           respect to the transaction. In making that  
10          recommendation, the member shall propose  
11          or contribute to the risk-based analysis re-  
12          quired by subparagraph (A).

13           “(ii) FAILURE TO REACH CON-  
14          SENSUS.—If the Committee fails to reach  
15          consensus with respect to a recommenda-  
16          tion under clause (i) regarding a covered  
17          transaction, the members of the Committee  
18          who support an alternative recommenda-  
19          tion shall produce—

20                   “(I) a written statement justi-  
21                   fying the alternative recommendation;  
22                   and

23                   “(II) as appropriate, a risk-based  
24                   analysis that supports the alternative  
25                   recommendation.

1           “(C) DEFINITIONS.—For purposes of sub-  
2           paragraph (A), the terms ‘threat’,  
3           ‘vulnerabilities’, and ‘consequences to national  
4           security’ shall have the meanings given those  
5           terms by the Committee by regulation.”;

6           (6) in paragraph (5)(B), as redesignated by  
7           paragraph (2), by striking “(as defined in the Na-  
8           tional Security Act of 1947)”; and

9           (7) in paragraph (6), as redesignated by para-  
10          graph (2)—

11           (A) in subparagraph (A)—

12           (i) by striking “paragraph (1)” and  
13           inserting “paragraph (3)”; and

14           (ii) by striking the second sentence  
15           and inserting the following: “The lead  
16           agency may, at its discretion, seek and re-  
17           ceive the assistance of other departments  
18           or agencies in carrying out the purposes of  
19           this paragraph.”;

20           (B) in subparagraph (B)—

21           (i) by striking “DESIGNATED AGEN-  
22           CY” and all that follows through “The lead  
23           agency in connection” and inserting “DES-  
24           IGNATED AGENCY.—The lead agency in  
25           connection”;

1 (ii) by striking clause (ii); and  
2 (iii) by redesignating subclauses (I)  
3 and (II) as clauses (i) and (ii), respec-  
4 tively, and by moving such clauses, as so  
5 redesignated, 2 ems to the left; and  
6 (C) by adding at the end the following:

7 “(C) COMPLIANCE PLANS.—

8 “(i) IN GENERAL.—In the case of a  
9 covered transaction with respect to which  
10 an agreement is entered into under para-  
11 graph (3)(A), the Committee or lead agen-  
12 cy, as the case may be, shall formulate, ad-  
13 here to, and keep updated a plan for moni-  
14 toring compliance with the agreement.

15 “(ii) ELEMENTS.—Each plan required  
16 by clause (i) with respect to an agreement  
17 entered into under paragraph (3)(A) shall  
18 include an explanation of—

19 “(I) which member of the Com-  
20 mittee will have primary responsibility  
21 for monitoring compliance with the  
22 agreement;

23 “(II) how compliance with the  
24 agreement will be monitored;

1 “(III) how frequently compliance  
2 reviews will be conducted;

3 “(IV) whether an independent  
4 entity will be utilized under subpara-  
5 graph (E) to conduct compliance re-  
6 views; and

7 “(V) what actions will be taken if  
8 the parties fail to cooperate regarding  
9 monitoring compliance with the agree-  
10 ment.

11 “(D) EFFECT OF LACK OF COMPLIANCE.—  
12 If, at any time after a mitigation agreement or  
13 condition is entered into or imposed under  
14 paragraph (3)(A), the Committee or lead agen-  
15 cy, as the case may be, determines that a party  
16 or parties to the agreement or condition are not  
17 in compliance with the terms of the agreement  
18 or condition, the Committee or lead agency  
19 may, in addition to the authority of the Com-  
20 mittee to impose penalties pursuant to sub-  
21 section (h)(3) and to unilaterally initiate a re-  
22 view of any covered transaction under sub-  
23 section (b)(1)(D)(iii)—

24 “(i) negotiate a plan of action for the  
25 party or parties to remediate the lack of

1 compliance, with failure to abide by the  
2 plan or otherwise remediate the lack of  
3 compliance serving as the basis for the  
4 Committee to find a material breach of the  
5 agreement or condition;

6 “(ii) require that the party or parties  
7 submit a written notice under clause (i) of  
8 subsection (b)(1)(C) or a declaration under  
9 clause (v) of that subsection with respect  
10 to a covered transaction initiated after the  
11 date of the determination of noncompliance  
12 and before the date that is 5 years after  
13 the date of the determination to the Com-  
14 mittee to initiate a review of the trans-  
15 action under subsection (b); or

16 “(iii) seek injunctive relief.

17 “(E) USE OF INDEPENDENT ENTITIES TO  
18 MONITOR COMPLIANCE.—If the parties to an  
19 agreement entered into under paragraph (3)(A)  
20 enter into a contract with an independent entity  
21 from outside the United States Government for  
22 the purpose of monitoring compliance with the  
23 agreement, the Committee shall take such ac-  
24 tion as is necessary to prevent a conflict of in-  
25 terest from arising by ensuring that the inde-

1           pendent entity owes no fiduciary duty to the  
2           parties.

3           “(F) SUCCESSORS AND ASSIGNS.—Any  
4           agreement or condition entered into or imposed  
5           under paragraph (3)(A) shall be considered  
6           binding on all successors and assigns unless  
7           and until the agreement or condition terminates  
8           on its own terms or is otherwise terminated by  
9           the Committee in its sole discretion.

10          “(G) ADDITIONAL COMPLIANCE MEAS-  
11          URES.—Subject to subparagraphs (A) through  
12          (F), the Committee shall develop and agree  
13          upon methods for evaluating compliance with  
14          any agreement entered into or condition im-  
15          posed with respect to a covered transaction that  
16          will allow the Committee to adequately ensure  
17          compliance without unnecessarily diverting  
18          Committee resources from assessing any new  
19          covered transaction for which a written notice  
20          under clause (i) of subsection (b)(1)(C) or dec-  
21          laration under clause (v) of that subsection has  
22          been filed, and if necessary, reaching a mitiga-  
23          tion agreement with or imposing a condition on  
24          a party to such covered transaction or any cov-

1           ered transaction for which a review has been re-  
2           opened for any reason.”.

3 **SEC. 1719. MODIFICATION OF ANNUAL REPORT AND OTHER**  
4 **REPORTING REQUIREMENTS.**

5           (a) MODIFICATION OF ANNUAL REPORT.—Section  
6 721(m) of the Defense Production Act of 1950 (50 U.S.C.  
7 4565(m)) is amended—

8           (1) in paragraph (2)—

9           (A) by amending subparagraph (A) to read  
10 as follows:

11           “(A) A list of all notices filed and all re-  
12 views or investigations of covered transactions  
13 completed during the period, with—

14           “(i) a description of the outcome of  
15 each review or investigation, including  
16 whether an agreement was entered into or  
17 condition was imposed under subsection  
18 (l)(3)(A) with respect to the transaction  
19 being reviewed or investigated, and wheth-  
20 er the President took any action under this  
21 section with respect to that transaction;

22           “(ii) basic information on each party  
23 to each such transaction;

24           “(iii) the nature of the business activi-  
25 ties or products of the United States busi-

1           ness with which the transaction was en-  
2           tered into or intended to be entered into;  
3           and

4                   “(iv) information about any with-  
5           drawal from the process.”; and

6           (B) by adding at the end the following:

7                   “(G) Statistics on compliance plans con-  
8           ducted and actions taken by the Committee  
9           under subsection (l)(6), including subparagraph  
10          (D) of that subsection, during that period, a  
11          general assessment of the compliance of parties  
12          with agreements entered into and conditions  
13          imposed under subsection (l)(3)(A) that are in  
14          effect during that period, including a descrip-  
15          tion of any actions taken by the Committee to  
16          impose penalties or initiate a unilateral review  
17          pursuant to subsection (b)(1)(D)(iii), and any  
18          recommendations for improving the enforce-  
19          ment of such agreements and conditions.

20                   “(H) Cumulative and, as appropriate,  
21          trend information on the number of declara-  
22          tions filed under subsection (b)(1)(C)(v), the  
23          actions taken by the Committee in response to  
24          those declarations, the business sectors involved

1 in those declarations, and the countries involved  
2 in those declarations.

3 “(I) A description of—

4 “(i) the methods used by the Com-  
5 mittee to identify non-notified and non-de-  
6 clared transactions under subsection  
7 (b)(1)(H);

8 “(ii) potential methods to improve  
9 such identification and the resources re-  
10 quired to do so; and

11 “(iii) the number of transactions iden-  
12 tified through the process established  
13 under that subsection during the reporting  
14 period and the number of such trans-  
15 actions flagged for further review.

16 “(J) A summary of the hiring practices  
17 and policies of the Committee pursuant to sub-  
18 section (k)(4).

19 “(K) A list of the waivers granted by the  
20 Committee under subsection  
21 (b)(1)(C)(v)(IV)(bb)(CC).”;

22 (2) in paragraph (3)—

23 (A) by striking “CRITICAL TECHNOLOGIES”  
24 and all that follows through “In order to as-

1           sist” and inserting “CRITICAL TECH-  
2           NOLOGIES.—In order to assist”;

3           (B) by striking subparagraph (B);

4           (C) by redesignating clauses (i) and (ii) as  
5           subparagraphs (A) and (B), respectively, and  
6           by moving such subparagraphs, as so redesign-  
7           ated, 2 ems to the left;

8           (D) in subparagraph (A), as redesignated  
9           by subparagraph (C), by striking “; and” and  
10          inserting a semicolon;

11          (E) in subparagraph (B), as so redesign-  
12          ated, by striking the period and inserting “;  
13          and”; and

14          (F) by adding at the end the following:

15          “(C) a description of the technologies rec-  
16          ommended by the chairperson under subsection  
17          (a)(6)(B) for identification under the inter-  
18          agency process set forth in section 1758(a) of  
19          the Export Control Reform Act of 2018.”.

20          (3) by adding at the end the following:

21          “(4) FORM OF REPORT.—

22          “(A) IN GENERAL.—All appropriate por-  
23          tions of the annual report under paragraph (1)  
24          may be classified. An unclassified version of the  
25          report, as appropriate, consistent with safe-

1           guarding national security and privacy, shall be  
2           made available to the public.

3           “(B)     INCLUSION     IN     CLASSIFIED  
4           VERSION.—If the Committee recommends that  
5           the President suspend or prohibit a covered  
6           transaction because the transaction threatens to  
7           impair the national security of the United  
8           States, the Committee shall, in the classified  
9           version of the report required under paragraph  
10          (1), notify Congress of the recommendation  
11          and, upon request, provide a classified briefing  
12          on the recommendation.

13          “(C)     INCLUSIONS     IN     UNCLASSIFIED  
14          VERSION.—The unclassified version of the re-  
15          port required under paragraph (1) shall include,  
16          with respect to covered transactions for the re-  
17          porting period—

18                  “(i) the number of notices submitted  
19                  under subsection (b)(1)(C)(i);

20                  “(ii) the number of declarations sub-  
21                  mitted under subsection (b)(1)(C)(v) and  
22                  the number of such declarations that were  
23                  required under subclause (IV) of that sub-  
24                  section;

1           “(iii) the number of declarations sub-  
2           mitted under subsection (b)(1)(C)(v) for  
3           which the Committee required resubmis-  
4           sion as notices under subsection  
5           (b)(1)(C)(i);

6           “(iv) the average number of days that  
7           elapsed between submission of a declara-  
8           tion under subsection (b)(1)(C)(v) and the  
9           acceptance of the declaration by the Com-  
10          mittee;

11          “(v) the median and average number  
12          of days that elapsed between acceptance of  
13          a declaration by the Committee and a re-  
14          sponse described in subsection  
15          (b)(1)(C)(v)(III);

16          “(vi) information on the time it took  
17          the Committee to provide comments on, or  
18          to accept, notices submitted under sub-  
19          section (b)(1)(C)(i), including—

20               “(I) the average number of busi-  
21               ness days that elapsed between the  
22               date of submission of a draft notice  
23               and the date on which the Committee  
24               provided written comments on the  
25               draft notice;

1 “(II) the average number of busi-  
2 ness days that elapsed between the  
3 date of submission of a formal written  
4 notice and the date on which the  
5 Committee accepted or provided writ-  
6 ten comments on the formal written  
7 notice; and

8 “(III) if the average number of  
9 business days for a response by the  
10 Committee reported under subclause  
11 (I) or (II) exceeded 10 business  
12 days—

13 “(aa) an explanation of the  
14 causes of such delays, including  
15 whether such delays are caused  
16 by resource shortages, unusual  
17 fluctuations in the volume of no-  
18 tices, transaction characteristics,  
19 or other factors; and

20 “(bb) an explanation of the  
21 steps that the Committee antici-  
22 pates taking to mitigate the  
23 causes of such delays and other-  
24 wise to improve the ability of the  
25 Committee to provide comments

1 on, or to accept, notices within  
2 10 business days;

3 “(vii) the number of reviews or inves-  
4 tigations conducted under subsection (b);

5 “(viii) the number of investigations  
6 that were subject to an extension under  
7 subsection (b)(2)(C)(ii);

8 “(ix) information on the duration of  
9 those reviews and investigations, including  
10 the median and average number of days  
11 required to complete those reviews and in-  
12 vestigations;

13 “(x) the number of notices submitted  
14 under subsection (b)(1)(C)(i) and declara-  
15 tions submitted under subsection  
16 (b)(1)(C)(v) that were rejected by the  
17 Committee;

18 “(xi) the number of such notices and  
19 declarations that were withdrawn by a  
20 party to the covered transaction;

21 “(xii) the number of such withdrawals  
22 that were followed by the submission of a  
23 subsequent such notice or declaration re-  
24 lating to a substantially similar covered  
25 transaction; and

1           “(xiii) such other specific, cumulative,  
2           or trend information that the Committee  
3           determines is advisable to provide for an  
4           assessment of the time required for reviews  
5           and investigations of covered transactions  
6           under this section.”.

7           (b) REPORT ON CHINESE INVESTMENT.—

8           (1) IN GENERAL.—Not later than 2 years after  
9           the date of the enactment of this Act, and every 2  
10          years thereafter through 2026, the Secretary of  
11          Commerce shall submit to Congress and the Com-  
12          mittee on Foreign Investment in the United States  
13          a report on foreign direct investment transactions  
14          made by entities of the People’s Republic of China  
15          in the United States.

16          (2) ELEMENTS.—Each report required by para-  
17          graph (1) shall include the following:

18                 (A) Total foreign direct investment from  
19                 the People’s Republic of China in the United  
20                 States, including total foreign direct investment  
21                 disaggregated by ultimate beneficial owner.

22                 (B) A breakdown of investments from the  
23                 People’s Republic of China in the United States  
24                 by value using the following categories:

25                         (i) Less than \$50,000,000.

1 (ii) Greater than or equal to  
2 \$50,000,000 and less than \$100,000,000.

3 (iii) Greater than or equal to  
4 \$100,000,000 and less than  
5 \$1,000,000,000.

6 (iv) Greater than or equal to  
7 \$1,000,000,000 and less than  
8 \$2,000,000,000.

9 (v) Greater than or equal to  
10 \$2,000,000,000 and less than  
11 \$5,000,000,000.

12 (vi) Greater than or equal to  
13 \$5,000,000,000.

14 (C) A breakdown of investments from the  
15 People's Republic of China in the United States  
16 by 2-digit North American Industry Classifica-  
17 tion System code.

18 (D) A breakdown of investments from the  
19 People's Republic of China in the United States  
20 by investment type, using the following cat-  
21 egories:

22 (i) Businesses established.

23 (ii) Businesses acquired.

24 (E) A breakdown of investments from the  
25 People's Republic of China in the United States

1 by government and non-government invest-  
2 ments, including volume, sector, and type of in-  
3 vestment within each category.

4 (F) A list of companies incorporated in the  
5 United States purchased through government  
6 investment by the People's Republic of China.

7 (G) The number of United States affiliates  
8 of entities under the jurisdiction of the People's  
9 Republic of China, the total employees at those  
10 affiliates, and the valuation for any publicly  
11 traded United States affiliate of such an entity.

12 (H) An analysis of patterns in the invest-  
13 ments described in subparagraphs (A) through  
14 (F), including in volume, type, and sector, and  
15 the extent to which those patterns of invest-  
16 ments align with the objectives outlined by the  
17 Government of the People's Republic of China  
18 in its Made in China 2025 plan, including a  
19 comparative analysis of investments from the  
20 People's Republic of China in the United States  
21 and all foreign direct investment in the United  
22 States.

23 (I) An identification of any limitations on  
24 the ability of the Secretary of Commerce to col-  
25 lect comprehensive information that is reason-

1 ably and lawfully available about foreign invest-  
2 ment in the United States from the People's  
3 Republic of China on a timeline necessary to  
4 complete reports every 2 years as required by  
5 paragraph (1), including—

6 (i) an identification of any discrep-  
7 ancies between government and private  
8 sector estimates of investments from the  
9 People's Republic of China in the United  
10 States;

11 (ii) a description of the different  
12 methodologies or data collection methods,  
13 including by private sector entities, used to  
14 measure foreign investment that may re-  
15 sult in different estimates; and

16 (iii) recommendations for enhancing  
17 the ability of the Secretary of Commerce to  
18 improve data collection of information  
19 about foreign investment in the United  
20 States from the People's Republic of  
21 China.

22 (3) EXTENSION OF DEADLINE.—If, as a result  
23 of a limitation identified under paragraph (2)(I), the  
24 Secretary of Commerce determines that the Sec-  
25 retary will be unable to submit a report at the time

1 required by paragraph (1), the Secretary may re-  
2 quest additional time to complete the report.

3 (c) REPORT ON CERTAIN RAIL INVESTMENTS BY  
4 STATE-OWNED OR STATE-CONTROLLED ENTITIES.—

5 (1) IN GENERAL.—Not later than one year  
6 after the date of the enactment of this Act, the Sec-  
7 retary of Homeland Security shall, in coordination  
8 with the appropriate members of the Committee on  
9 Foreign Investment in the United States, submit to  
10 Congress a report assessing—

11 (A) national security risks, if any, related  
12 to investments in the United States by state-  
13 owned or state-controlled entities in the manu-  
14 facture or assembly of rolling stock or other as-  
15 sets for use in freight rail, public transportation  
16 rail systems, or intercity passenger rail systems;  
17 and

18 (B) how the number and types of such in-  
19 vestments could affect any such risks.

20 (2) CONSULTATION.—The Secretary, in pre-  
21 paring the report required by paragraph (1), shall  
22 consult with the Secretary of Transportation and the  
23 head of any agency that is not represented on the  
24 Committee on Foreign Investment in the United

1 States that has significant technical expertise related  
2 to the assessments required by that paragraph.

3 **SEC. 1720. CERTIFICATION OF NOTICES AND INFORMATION.**

4 Section 721(n) of the Defense Production Act of  
5 1950 (50 U.S.C. 4565(n)) is amended—

6 (1) by redesignating paragraphs (1) and (2) as  
7 subparagraphs (A) and (B), respectively, and by  
8 moving such subparagraphs, as so redesignated, 2  
9 ems to the right;

10 (2) by striking “Each notice” and inserting the  
11 following:

12 “(1) IN GENERAL.—Each notice”;

13 (3) by striking “paragraph (3)(B)” and insert-  
14 ing “paragraph (6)(B)”;

15 (4) by striking “paragraph (1)(A)” and insert-  
16 ing “paragraph (3)(A)”;

17 (5) by adding at the end the following:

18 “(2) EFFECT OF FAILURE TO SUBMIT.—The  
19 Committee may not complete a review under this  
20 section of a covered transaction and may recommend  
21 to the President that the President suspend or pro-  
22 hibit the transaction under subsection (d) if the  
23 Committee determines that a party to the trans-  
24 action has—

1           “(A) failed to submit a statement required  
2           by paragraph (1); or

3           “(B) included false or misleading informa-  
4           tion in a notice or information described in  
5           paragraph (1) or omitted material information  
6           from such notice or information.

7           “(3) APPLICABILITY OF LAW ON FRAUD AND  
8           FALSE STATEMENTS.—The Committee shall pre-  
9           scribe regulations expressly providing for the appli-  
10          cation of section 1001 of title 18, United States  
11          Code, to all information provided to the Committee  
12          under this section by any party to a covered trans-  
13          action.”.

14 **SEC. 1721. IMPLEMENTATION PLANS.**

15          (a) IN GENERAL.—Not later than 180 days after the  
16          date of the enactment of this Act, the chairperson of the  
17          Committee on Foreign Investment in the United States  
18          and the Secretary of Commerce shall, in consultation with  
19          the appropriate members of the Committee—

20                 (1) develop plans to implement this subtitle;  
21                 and

22                 (2) submit to the appropriate congressional  
23                 committees a report on the plans developed under  
24                 paragraph (1), which shall include a description of—

1 (A) the timeline and process to implement  
2 the provisions of, and amendments made by,  
3 this subtitle;

4 (B) any additional staff necessary to im-  
5 plement the plans; and

6 (C) the resources required to effectively  
7 implement the plans.

8 (b) ANNUAL RESOURCE NEEDS OF CFIUS MEMBER  
9 AGENCIES.—Not later than one year after the submission  
10 of the report under subsection (a)(2), and annually there-  
11 after for 7 years, each department or agency represented  
12 on the Committee on Foreign Investment in the United  
13 States shall submit to the appropriate congressional com-  
14 mittees a detailed spending plan to expeditiously meet the  
15 requirements of section 721 of the Defense Production Act  
16 of 1950, as amended by this subtitle, including estimated  
17 expenditures and staffing levels for not less than the fol-  
18 lowing fiscal year.

19 (c) TESTIMONY.—Section 721 of the Defense Pro-  
20 duction Act of 1950 (50 U.S.C. 4565) is amended by add-  
21 ing at the end the following:

22 “(o) TESTIMONY.—

23 “(1) IN GENERAL.—Not later than March 31 of  
24 each year, the chairperson, or the designee of the  
25 chairperson, shall appear before the Committee on

1 Financial Services of the House of Representatives  
2 and the Committee on Banking, Housing, and  
3 Urban Affairs of the Senate to present testimony  
4 on—

5 “(A) anticipated resources necessary for  
6 operations of the Committee in the following  
7 fiscal year at each of the departments or agen-  
8 cies represented on the Committee;

9 “(B) the adequacy of appropriations for  
10 the Committee in the current and the previous  
11 fiscal year to—

12 “(i) ensure that thorough reviews and  
13 investigations are completed as expedi-  
14 tiously as possible;

15 “(ii) monitor and enforce mitigation  
16 agreements; and

17 “(iii) identify covered transactions for  
18 which a notice under clause (i) of sub-  
19 section (b)(1)(C) or a declaration under  
20 clause (v) of that subsection was not sub-  
21 mitted to the Committee;

22 “(C) management efforts to strengthen the  
23 ability of the Committee to meet the require-  
24 ments of this section; and

1           “(D) activities of the Committee under-  
2           taken in order to—

3                   “(i) educate the business community,  
4                   with a particular focus on the technology  
5                   sector and other sectors of importance to  
6                   national security, on the goals and oper-  
7                   ations of the Committee;

8                   “(ii) disseminate to the governments  
9                   of countries that are allies or partners of  
10                  the United States best practices of the  
11                  Committee that—

12                           “(I) strengthen national security  
13                           reviews of relevant investment trans-  
14                           actions; and

15                           “(II) expedite such reviews when  
16                           appropriate; and

17                           “(iii) promote openness to foreign in-  
18                           vestment, consistent with national security  
19                           considerations.

20           “(2) SUNSET.—This subsection shall have no  
21           force or effect on or after the date that is 7 years  
22           after the date of the enactment of the Foreign In-  
23           vestment Risk Review Modernization Act of 2018.”.

1 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
2 DEFINED.—In this section, the term “appropriate con-  
3 gressional committees” means—

4 (1) the Committee on Banking, Housing, and  
5 Urban Affairs and the Committee on Appropriations  
6 of the Senate; and

7 (2) the Committee on Financial Services and  
8 the Committee on Appropriations of the House of  
9 Representatives.

10 **SEC. 1722. ASSESSMENT OF NEED FOR ADDITIONAL RE-**  
11 **SOURCES FOR COMMITTEE.**

12 The President shall—

13 (1) determine whether and to what extent the  
14 expansion of the responsibilities of the Committee on  
15 Foreign Investment in the United States pursuant  
16 to the amendments made by this subtitle neces-  
17 sitates additional resources for the Committee and  
18 the departments and agencies represented on the  
19 Committee to perform their functions under section  
20 721 of the Defense Production Act of 1950, as  
21 amended by this subtitle; and

22 (2) if the President determines that additional  
23 resources are necessary, include in the budget of the  
24 President for fiscal year 2019 and each fiscal year  
25 thereafter submitted to Congress under section

1 1105(a) of title 31, United States Code, a request  
2 for such additional resources.

3 **SEC. 1723. FUNDING.**

4 Section 721 of the Defense Production Act of 1950  
5 (50 U.S.C. 4565), as amended by section 1721, is further  
6 amended by adding at the end the following:

7 “(p) FUNDING.—

8 “(1) ESTABLISHMENT OF FUND.—There is es-  
9 tablished in the Treasury of the United States a  
10 fund, to be known as the ‘Committee on Foreign In-  
11 vestment in the United States Fund’ (in this sub-  
12 section referred to as the ‘Fund’), to be adminis-  
13 tered by the chairperson.

14 “(2) AUTHORIZATION OF APPROPRIATIONS FOR  
15 THE COMMITTEE.—There are authorized to be ap-  
16 propriated to the Fund for each of fiscal years 2019  
17 through 2023 \$20,000,000 to perform the functions  
18 of the Committee.

19 “(3) FILING FEES.—

20 “(A) IN GENERAL.—The Committee may  
21 assess and collect a fee in an amount deter-  
22 mined by the Committee in regulations, to the  
23 extent provided in advance in appropriations  
24 Acts, without regard to section 9701 of title 31,  
25 United States Code, and subject to subpara-

1 graph (B), with respect to each covered trans-  
2 action for which a written notice is submitted to  
3 the Committee under subsection (b)(1)(C)(i).  
4 The total amount of fees collected under this  
5 paragraph may not exceed the costs of admin-  
6 istering this section.

7 “(B) DETERMINATION OF AMOUNT OF  
8 FEE.—

9 “(i) IN GENERAL.—The amount of  
10 the fee to be assessed under subparagraph  
11 (A) with respect to a covered transaction—

12 “(I) may not exceed an amount  
13 equal to the lesser of—

14 “(aa) 1 percent of the value  
15 of the transaction; or

16 “(bb) \$300,000, adjusted  
17 annually for inflation pursuant to  
18 regulations prescribed by the  
19 Committee; and

20 “(II) shall be based on the value  
21 of the transaction, taking into ac-  
22 count—

23 “(aa) the effect of the fee on  
24 small business concerns (as de-

1 fined in section 3 of the Small  
2 Business Act (15 U.S.C. 632));

3 “(bb) the expenses of the  
4 Committee associated with con-  
5 ducting activities under this sec-  
6 tion;

7 “(cc) the effect of the fee on  
8 foreign investment; and

9 “(dd) such other matters as  
10 the Committee considers appro-  
11 priate.

12 “(ii) UPDATES.—The Committee shall  
13 periodically reconsider and adjust the  
14 amount of the fee to be assessed under  
15 subparagraph (A) with respect to a covered  
16 transaction to ensure that the amount of  
17 the fee does not exceed the costs of admin-  
18 istering this section and otherwise remains  
19 appropriate.

20 “(C) DEPOSIT AND AVAILABILITY OF  
21 FEES.—Notwithstanding section 3302 of title  
22 31, United States Code, fees collected under  
23 subparagraph (A) shall—

1 “(i) be deposited into the Fund solely  
2 for use in carrying out activities under this  
3 section;

4 “(ii) to the extent and in the amounts  
5 provided in advance in appropriations Acts,  
6 be available to the chairperson;

7 “(iii) remain available until expended;  
8 and

9 “(iv) be in addition to any appropria-  
10 tions made available to the members of the  
11 Committee.

12 “(D) STUDY ON PRIORITIZATION FEE.—

13 “(i) IN GENERAL.—Not later than  
14 270 days after the date of the enactment  
15 of the Foreign Investment Risk Review  
16 Modernization Act of 2018, the chair-  
17 person, in consultation with the Com-  
18 mittee, shall complete a study of the feasi-  
19 bility and merits of establishing a fee or  
20 fee scale to prioritize the timing of the re-  
21 sponse of the Committee to a draft or for-  
22 mal written notice during the period before  
23 the Committee accepts the formal written  
24 notice under subsection (b)(1)(C)(i), in the  
25 event that the Committee is unable to re-

1           spond during the time required by sub-  
2           clause (II) of that subsection because of an  
3           unusually large influx of notices, or for  
4           other reasons.

5           “(ii) SUBMISSION TO CONGRESS.—  
6           After completing the study required by  
7           clause (i), the chairperson, or a designee of  
8           the chairperson, shall submit to the Com-  
9           mittee on Banking, Housing, and Urban  
10          Affairs of the Senate and the Committee  
11          on Financial Services of the House of Rep-  
12          resentatives a report on the findings of the  
13          study.

14          “(4) TRANSFER OF FUNDS.—To the extent pro-  
15          vided in advance in appropriations Acts, the chair-  
16          person may transfer any amounts in the Fund to  
17          any other department or agency represented on the  
18          Committee for the purpose of addressing emerging  
19          needs in carrying out activities under this section.  
20          Amounts so transferred shall be in addition to any  
21          other amounts available to that department or agen-  
22          cy for that purpose.”.

1 **SEC. 1724. CENTRALIZATION OF CERTAIN COMMITTEE**  
2 **FUNCTIONS.**

3 Section 721 of the Defense Production Act of 1950  
4 (50 U.S.C. 4565), as amended by section 1723, is further  
5 amended by adding at the end the following:

6 “(q) CENTRALIZATION OF CERTAIN COMMITTEE  
7 FUNCTIONS.—

8 “(1) IN GENERAL.—The chairperson, in con-  
9 sultation with the Committee, may centralize certain  
10 functions of the Committee within the Department  
11 of the Treasury for the purpose of enhancing inter-  
12 agency coordination and collaboration in carrying  
13 out the functions of the Committee under this sec-  
14 tion.

15 “(2) FUNCTIONS.—Functions that may be cen-  
16 tralized under paragraph (1) include identifying non-  
17 notified and non-declared transactions pursuant to  
18 subsection (b)(1)(H), and other functions as deter-  
19 mined by the chairperson and the Committee.

20 “(3) RULE OF CONSTRUCTION.—Nothing in  
21 this section shall be construed as limiting the au-  
22 thority of any department or agency represented on  
23 the Committee to represent its own interests before  
24 the Committee.”

1 **SEC. 1725. CONFORMING AMENDMENTS.**

2 Section 721 of the Defense Production Act of 1950  
3 (50 U.S.C. 4565), as amended by this subtitle, is further  
4 amended—

5 (1) in subsection (b)—

6 (A) in paragraph (1)(D)(iii)(I), by striking  
7 “subsection (l)(1)(A)” and inserting “sub-  
8 section (l)(3)(A)”; and

9 (B) in paragraph (2)(B)(i)(I), by striking  
10 “that threat” and inserting “the risk”;

11 (2) in subsection (d)(4)(A), by striking “the  
12 foreign interest exercising control” and inserting “a  
13 foreign person that would acquire an interest in a  
14 United States business or its assets as a result of  
15 the covered transaction”; and

16 (3) in subsection (j), by striking “merger, ac-  
17 quisition, or takeover” and inserting “transaction”.

18 **SEC. 1726. BRIEFING ON INFORMATION FROM TRANS-**  
19 **ACTIONS REVIEWED BY COMMITTEE ON FOR-**  
20 **EIGN INVESTMENT IN THE UNITED STATES**  
21 **RELATING TO FOREIGN EFFORTS TO INFLU-**  
22 **ENCE DEMOCRATIC INSTITUTIONS AND**  
23 **PROCESSES.**

24 Not later than 60 days after the date of the enact-  
25 ment of this Act, the Secretary of the Treasury (or a des-  
26 ignee of the Secretary) shall provide a briefing to the Com-

1 mittee on Banking, Housing, and Urban Affairs of the  
2 Senate and the Committee on Financial Services of the  
3 House of Representatives on—

4           (1) transactions reviewed by the Committee on  
5 Foreign Investment in the United States during the  
6 5-year period preceding the briefing that the Com-  
7 mittee determined would have allowed foreign per-  
8 sons to inappropriately influence democratic institu-  
9 tions and processes within the United States and in  
10 other countries; and

11           (2) the disposition of such reviews, including  
12 any steps taken by the Committee to address the  
13 risk of allowing foreign persons to influence such in-  
14 stitutions and processes.

15 **SEC. 1727. EFFECTIVE DATE.**

16           (a) IMMEDIATE APPLICABILITY OF CERTAIN PROVI-  
17 SIONS.—The following shall take effect on the date of the  
18 enactment of this Act and, as applicable, apply with re-  
19 spect to any covered transaction the review or investiga-  
20 tion of which is initiated under section 721 of the Defense  
21 Production Act of 1950 on or after such date of enact-  
22 ment:

23           (1) Sections 1705, 1707, 1708, 1709, 1710,  
24 1713, 1714, 1715, 1716, 1717, 1718, 1720, 1721,

1 1722, 1723, 1724, and 1725 and any amendments  
2 made by those sections.

3 (2) Section 1712 and the amendments made by  
4 that section (except for clause (iii) of section  
5 721(b)(4)(A) of the Defense Production Act of  
6 1950, as added by section 1712).

7 (3) Paragraphs (1), (2), (3), (4)(A)(i),  
8 (4)(B)(i), (4)(B)(iv)(I), (4)(B)(v), (4)(C)(v), (5),  
9 (6), (7), (8), (9), (10), (11), (12), and (13) of sub-  
10 section (a) of section 721 of the Defense Production  
11 Act of 1950, as amended by section 1703.

12 (4) Section 721(m)(4) of the Defense Produc-  
13 tion Act of 1950, as amended by section 1719 (ex-  
14 cept for clauses (ii), (iii), (iv), and (v) of subpara-  
15 graph (B) of that section).

16 (b) DELAYED APPLICABILITY OF CERTAIN PROVI-  
17 SIONS.—

18 (1) IN GENERAL.—Any provision of or amend-  
19 ment made by this subtitle not specified in sub-  
20 section (a) shall—

21 (A) take effect on the earlier of—

22 (i) the date that is 18 months after  
23 the date of the enactment of this Act; or

24 (ii) the date that is 30 days after pub-  
25 lication in the Federal Register of a deter-

1           mination by the chairperson of the Com-  
2           mittee on Foreign Investment in the  
3           United States that the regulations, organi-  
4           zational structure, personnel, and other re-  
5           sources necessary to administer the new  
6           provisions are in place; and

7           (B) apply with respect to any covered  
8           transaction the review or investigation of which  
9           is initiated under section 721 of the Defense  
10          Production Act of 1950 on or after the date de-  
11          scribed in subparagraph (A).

12          (2) NONDELEGATION OF DETERMINATION.—

13          The determination of the chairperson of the Com-  
14          mittee on Foreign Investment in the United States  
15          under paragraph (1)(A) may not be delegated.

16          (c) AUTHORIZATION FOR PILOT PROGRAMS.—

17          (1) IN GENERAL.—Beginning on the date of the  
18          enactment of this Act and ending on the date that  
19          is 570 days thereafter, the Committee on Foreign  
20          Investment in the United States may, at its discre-  
21          tion, conduct one or more pilot programs to imple-  
22          ment any authority provided pursuant to any provi-  
23          sion of or amendment made by this subtitle not  
24          specified in subsection (a).

1           (2) PUBLICATION IN FEDERAL REGISTER.—A  
2 pilot program under paragraph (1) may not com-  
3 mence until the date that is 30 days after publica-  
4 tion in the Federal Register of a determination by  
5 the chairperson of the Committee of the scope of  
6 and procedures for the pilot program. That deter-  
7 mination may not be delegated.

8 **SEC. 1728. SEVERABILITY.**

9           If any provision of this subtitle or an amendment  
10 made by this subtitle, or the application of such a provi-  
11 sion or amendment to any person or circumstance, is held  
12 to be invalid, the application of that provision or amend-  
13 ment to other persons or circumstances and the remainder  
14 of the provisions of this subtitle and the amendments  
15 made by this subtitle, shall not be affected thereby.

16 **Subtitle B—Export Control Reform**

17 **SEC. 1741. SHORT TITLE.**

18           This subtitle may be cited as the “Export Control Re-  
19 form Act of 2018”.

20 **SEC. 1742. DEFINITIONS.**

21           In this subtitle:

22           (1) CONTROLLED.—The term “controlled” re-  
23 fers to an item subject to the jurisdiction of the  
24 United States under part I.

1           (2) DUAL-USE.—The term “dual-use”, with re-  
2           spect to an item, means the item has civilian appli-  
3           cations and military, terrorism, weapons of mass de-  
4           struction, or law-enforcement-related applications.

5           (3) EXPORT.—The term “export”, with respect  
6           to an item subject to controls under part I, in-  
7           cludes—

8                   (A) the shipment or transmission of the  
9                   item out of the United States, including the  
10                  sending or taking of the item out of the United  
11                  States, in any manner; and

12                  (B) the release or transfer of technology or  
13                  source code relating to the item to a foreign  
14                  person in the United States.

15           (4) EXPORT ADMINISTRATION REGULATIONS.—  
16           The term “Export Administration Regulations”  
17           means—

18                   (A) the Export Administration Regulations  
19                   as promulgated, maintained, and amended  
20                   under the authority of the International Emer-  
21                   gency Economic Powers Act and codified, as of  
22                   the date of the enactment of this Act, in sub-  
23                   chapter C of chapter VII of title 15, Code of  
24                   Federal Regulations; or

1 (B) regulations that are promulgated,  
2 maintained, and amended under the authority  
3 of part I on or after the date of the enactment  
4 of this Act.

5 (5) FOREIGN PERSON.—The term “foreign per-  
6 son” means—

7 (A) any natural person who is not a lawful  
8 permanent resident of the United States, citizen  
9 of the United States, or any other protected in-  
10 dividual (as such term is defined in section  
11 274B(a)(3) of the Immigration and Nationality  
12 Act (8 U.S.C. 1324b(a)(3));

13 (B) any corporation, business association,  
14 partnership, trust, society or any other entity or  
15 group that is not incorporated in the United  
16 States or organized to do business in the  
17 United States, as well as international organiza-  
18 tions, foreign governments and any agency or  
19 subdivision of a foreign government (e.g., diplo-  
20 matic mission).

21 (6) IN-COUNTRY TRANSFER.—The term “in-  
22 country transfer”, with respect to an item subject to  
23 controls under part I, means a change in the end-  
24 use or end user of the item within the same foreign  
25 country.

1           (7) ITEM.—The term “item” means a com-  
2           modity, software, or technology.

3           (8) PERSON.—The term “person” means—

4                   (A) a natural person;

5                   (B) a corporation, business association,  
6           partnership, society, trust, financial institution,  
7           insurer, underwriter, guarantor, and any other  
8           business organization, any other nongovern-  
9           mental entity, organization, or group, or any  
10          government or agency thereof; and

11                   (C) any successor to any entity described  
12          in subparagraph (B).

13          (9) REEXPORT.—The term “reexport”, with re-  
14          spect to an item subject to controls under part I, in-  
15          cludes—

16                   (A) the shipment or transmission of the  
17          item from a foreign country to another foreign  
18          country, including the sending or taking of the  
19          item from the foreign country to the other for-  
20          eign country, in any manner; and

21                   (B) the release or transfer of technology or  
22          source code relating to the item to a foreign  
23          person outside the United States.

1           (10) SECRETARY.—Except as otherwise pro-  
2           vided, the term “Secretary” means the Secretary of  
3           Commerce.

4           (11) TECHNOLOGY.—The term “technology”  
5           includes information, in tangible or intangible form,  
6           necessary for the development, production, or use of  
7           an item.

8           (12) UNITED STATES.—The term “United  
9           States” means the several States, the District of Co-  
10          lumbia, the Commonwealth of Puerto Rico, the Com-  
11          monwealth of the Northern Mariana Islands, Amer-  
12          ican Samoa, Guam, the United States Virgin Is-  
13          lands, and any other territory or possession of the  
14          United States.

15          (13) UNITED STATES PERSON.—The term  
16          “United States person” means—

17                (A) for purposes of part I—

18                   (i) any individual who is a citizen or  
19                   national of the United States or who is an  
20                   individual described in subparagraph (B)  
21                   of section 274B(a)(3) of the Immigration  
22                   and Nationality Act (8 U.S.C.  
23                   1324b(a)(3));

24                   (ii) a corporation or other legal entity  
25                   which is organized under the laws of the

1 United States, any State or territory there-  
2 of, or the District of Columbia; and

3 (iii) any person in the United States;

4 and

5 (B) for purposes of part II, any United  
6 States resident or national (other than an indi-  
7 vidual resident outside the United States and  
8 employed by other than a United States per-  
9 son), any domestic concern (including any per-  
10 manent domestic establishment of any foreign  
11 concern) and any foreign subsidiary or affiliate  
12 (including any permanent foreign establish-  
13 ment) of any domestic concern which is con-  
14 trolled in fact by such domestic concern, as de-  
15 termined under regulations by the Secretary.

16 (14) WEAPONS OF MASS DESTRUCTION.—The  
17 term “weapons of mass destruction” means nuclear,  
18 radiological, chemical, and biological weapons and  
19 delivery systems for such weapons.

20 **PART I—AUTHORITY AND ADMINISTRATION OF**  
21 **CONTROLS**

22 **SEC. 1751. SHORT TITLE.**

23 This part may be cited as the “Export Controls Act  
24 of 2018”.

1 **SEC. 1752. STATEMENT OF POLICY.**

2 The following is the policy of the United States:

3 (1) To use export controls only after full con-  
4 sideration of the impact on the economy of the  
5 United States and only to the extent necessary—

6 (A) to restrict the export of items which  
7 would make a significant contribution to the  
8 military potential of any other country or com-  
9 bination of countries which would prove detri-  
10 mental to the national security of the United  
11 States; and

12 (B) to restrict the export of items if nec-  
13 essary to further significantly the foreign policy  
14 of the United States or to fulfill its declared  
15 international obligations.

16 (2) The national security and foreign policy of  
17 the United States require that the export, reexport,  
18 and in-country transfer of items, and specific activi-  
19 ties of United States persons, wherever located, be  
20 controlled for the following purposes:

21 (A) To control the release of items for use  
22 in—

23 (i) the proliferation of weapons of  
24 mass destruction or of conventional weap-  
25 ons;

1 (ii) the acquisition of destabilizing  
2 numbers or types of conventional weapons;

3 (iii) acts of terrorism;

4 (iv) military programs that could pose  
5 a threat to the security of the United  
6 States or its allies; or

7 (v) activities undertaken specifically to  
8 cause significant interference with or dis-  
9 ruption of critical infrastructure.

10 (B) To preserve the qualitative military su-  
11 periority of the United States.

12 (C) To strengthen the United States de-  
13 fense industrial base.

14 (D) To carry out the foreign policy of the  
15 United States, including the protection of  
16 human rights and the promotion of democracy.

17 (E) To carry out obligations and commit-  
18 ments under international agreements and ar-  
19 rangements, including multilateral export con-  
20 trol regimes.

21 (F) To facilitate military interoperability  
22 between the United States and its North Atlan-  
23 tic Treaty Organization (NATO) and other  
24 close allies.

1           (G) To ensure national security controls  
2           are tailored to focus on those core technologies  
3           and other items that are capable of being used  
4           to pose a serious national security threat to the  
5           United States.

6           (3) The national security of the United States  
7           requires that the United States maintain its leader-  
8           ship in the science, technology, engineering, and  
9           manufacturing sectors, including foundational tech-  
10          nology that is essential to innovation. Such leader-  
11          ship requires that United States persons are com-  
12          petitive in global markets. The impact of the imple-  
13          mentation of this part on such leadership and com-  
14          petitiveness must be evaluated on an ongoing basis  
15          and applied in imposing controls under sections  
16          1753 and 1754 to avoid negatively affecting such  
17          leadership.

18          (4) The national security and foreign policy of  
19          the United States require that the United States  
20          participate in multilateral organizations and agree-  
21          ments regarding export controls on items that are  
22          consistent with the policy of the United States, and  
23          take all the necessary steps to secure the adoption  
24          and consistent enforcement, by the governments of

1 such countries, of export controls on items that are  
2 consistent with such policy.

3 (5) Export controls should be coordinated with  
4 the multilateral export control regimes. Export con-  
5 trols that are multilateral are most effective, and  
6 should be tailored to focus on those core technologies  
7 and other items that are capable of being used to  
8 pose a serious national security threat to the United  
9 States and its allies.

10 (6) Export controls applied unilaterally to items  
11 widely available from foreign sources generally are  
12 less effective in preventing end-users from acquiring  
13 those items. Application of unilateral export controls  
14 should be limited for purposes of protecting specific  
15 United States national security and foreign policy  
16 interests.

17 (7) The effective administration of export con-  
18 trols requires a clear understanding both inside and  
19 outside the United States Government of which  
20 items are controlled and an efficient process should  
21 be created to regularly update the controls, such as  
22 by adding or removing such items.

23 (8) The export control system must ensure that  
24 it is transparent, predictable, and timely, has the  
25 flexibility to be adapted to address new threats in

1 the future, and allows seamless access to and shar-  
2 ing of export control information among all relevant  
3 United States national security and foreign policy  
4 agencies.

5 (9) Implementation and enforcement of United  
6 States export controls require robust capabilities in  
7 monitoring, intelligence, and investigation, appro-  
8 priate penalties for violations, and the ability to  
9 swiftly interdict unapproved transfers.

10 (10) Export controls complement and are a  
11 critical element of the national security policies un-  
12 derlying the laws and regulations governing foreign  
13 direct investment in the United States, including  
14 controlling the transfer of critical technologies to  
15 certain foreign persons. Thus, the President, in co-  
16 ordination with the Secretary, the Secretary of De-  
17 fense, the Secretary of State, the Secretary of En-  
18 ergy, and the heads of other Federal agencies, as ap-  
19 propriate, should have a regular and robust process  
20 to identify the emerging and other types of critical  
21 technologies of concern and regulate their release to  
22 foreign persons as warranted regardless of the na-  
23 ture of the underlying transaction. Such identifica-  
24 tion efforts should draw upon the resources and ex-  
25 pertise of all relevant parts of the United States

1 Government, industry, and academia. These efforts  
2 should be in addition to traditional efforts to mod-  
3 ernize and update the lists of controlled items under  
4 the multilateral export control regimes.

5 (11) The authority under this part may be exer-  
6 cised only in furtherance of all of the objectives set  
7 forth in paragraphs (1) through (10).

8 **SEC. 1753. AUTHORITY OF THE PRESIDENT.**

9 (a) **AUTHORITY.**—In order to carry out the policy set  
10 forth in paragraphs (1) through (10) of section 1752, the  
11 President shall control—

12 (1) the export, reexport, and in-country transfer  
13 of items subject to the jurisdiction of the United  
14 States, whether by United States persons or by for-  
15 eign persons; and

16 (2) the activities of United States persons,  
17 wherever located, relating to specific—

18 (A) nuclear explosive devices;

19 (B) missiles;

20 (C) chemical or biological weapons;

21 (D) whole plants for chemical weapons pre-  
22 cursors;

23 (E) foreign maritime nuclear projects; and

24 (F) foreign military intelligence services.

1 (b) REQUIREMENTS.—In exercising authority under  
2 this part to carry out the policy set forth in paragraphs  
3 (1) through (10) of section 1752, the President shall—

4 (1) regulate the export, reexport, and in-coun-  
5 try transfer of items described in subsection (a)(1)  
6 of United States persons or foreign persons;

7 (2) regulate the activities described in sub-  
8 section (a)(2) of United States persons, wherever lo-  
9 cated;

10 (3) seek to secure the cooperation of other gov-  
11 ernments and multilateral organizations to impose  
12 control systems that are consistent, to the extent  
13 possible, with the controls imposed under subsection  
14 (a);

15 (4) maintain the leadership of the United  
16 States in science, engineering, technology research  
17 and development, manufacturing, and foundational  
18 technology that is essential to innovation;

19 (5) protect United States technological ad-  
20 vances by prohibiting unauthorized technology trans-  
21 fers to foreign persons in the United States or out-  
22 side the United States, particularly with respect to  
23 countries that may pose a significant threat to the  
24 national security of the United States;

1           (6) strengthen the United States industrial  
2           base, both with respect to current and future de-  
3           fense requirements; and

4           (7) enforce the controls through means such as  
5           regulations, requirements for compliance, lists of  
6           controlled items, lists of foreign persons who threat-  
7           en the national security or foreign policy of the  
8           United States, and guidance in a form that facili-  
9           tates compliance by United States persons and for-  
10          eign persons, in particular academic institutions, sci-  
11          entific and research establishments, and small- and  
12          medium-sized businesses.

13          (c) APPLICATION OF CONTROLS.—The President  
14          shall impose controls over the export, reexport, or in-coun-  
15          try transfer of items for purposes of the objectives de-  
16          scribed in subsections (b)(1) or (b)(2) without regard to  
17          the nature of the underlying transaction or any cir-  
18          cumstances pertaining to the activity, including whether  
19          such export, reexport, or in-country transfer occurs pursu-  
20          ant to a purchase order or other contract requirement, vol-  
21          untary decision, inter-company arrangement, marketing  
22          effort, or during a joint venture, joint development agree-  
23          ment, or similar collaborative agreement.

1 **SEC. 1754. ADDITIONAL AUTHORITIES.**

2 (a) IN GENERAL.—In carrying out this part on behalf  
3 of the President, the Secretary, in consultation with the  
4 Secretary of State, the Secretary of Defense, the Secretary  
5 of Energy, and the heads of other Federal agencies as ap-  
6 propriate, shall—

7 (1) establish and maintain a list of items that  
8 are controlled under this part;

9 (2) establish and maintain a list of foreign per-  
10 sons and end-uses that are determined to be a threat  
11 to the national security and foreign policy of the  
12 United States pursuant to the policy set forth in sec-  
13 tion 1752(2)(A);

14 (3) prohibit unauthorized exports, reexports,  
15 and in-country transfers of controlled items, includ-  
16 ing to foreign persons in the United States or out-  
17 side the United States;

18 (4) restrict exports, reexports, and in-country  
19 transfers of any controlled items to any foreign per-  
20 son or end-use listed under paragraph (2);

21 (5) require licenses or other authorizations, as  
22 appropriate, for exports, reexports, and in-country  
23 transfers of controlled items, including—

24 (A) imposing conditions or restrictions on  
25 United States persons and foreign persons with

1           respect to such licenses or other authorizations;  
2           and

3                   (B) suspending or revoking such licenses  
4           or authorizations;

5           (6) establish a process for an assessment to de-  
6           termine whether a foreign item is comparable in  
7           quality to an item controlled under this part, and is  
8           available in sufficient quantities to render the  
9           United States export control of that item or the de-  
10          nial of a license ineffective, including a mechanism  
11          to address that disparity;

12          (7) require measures for compliance with the  
13          export controls established under this part;

14          (8) require and obtain such information from  
15          United States persons and foreign persons as is nec-  
16          essary to carry out this part;

17          (9) require, to the extent feasible, identification  
18          of items subject to controls under this part in order  
19          to facilitate the enforcement of such controls;

20          (10) inspect, search, detain, or seize, or impose  
21          temporary denial orders with respect to items, in  
22          any form, that are subject to controls under this  
23          part, or conveyances on which it is believed that  
24          there are items that have been, are being, or are

1 about to be exported, reexported, or in-country  
2 transferred in violation of this part;

3 (11) monitor shipments and other means of  
4 transfer;

5 (12) keep the public appropriately apprised of  
6 changes in policy, regulations, and procedures estab-  
7 lished under this part;

8 (13) appoint technical advisory committees in  
9 accordance with the Federal Advisory Committee  
10 Act;

11 (14) create, as warranted, exceptions to licens-  
12 ing requirements in order to further the objectives of  
13 this part;

14 (15) establish and maintain processes to inform  
15 persons, either individually by specific notice or  
16 through amendment to any regulation or order  
17 issued under this part, that a license from the Bu-  
18 reau of Industry and Security of the Department of  
19 Commerce is required to export; and

20 (16) undertake any other action as is necessary  
21 to carry out this part that is not otherwise prohib-  
22 ited by law.

23 (b) RELATIONSHIP TO IEEPA.—The authority under  
24 this part may not be used to regulate or prohibit under  
25 this part the export, reexport, or in-country transfer of

1 any item that may not be regulated or prohibited under  
2 section 203(b) of the International Emergency Economic  
3 Powers Act (50 U.S.C. 1702(b)), except to the extent the  
4 President has made a determination necessary to impose  
5 controls under subparagraph (A), (B), or (C) of paragraph  
6 (2) of such section.

7 (c) COUNTRIES SUPPORTING INTERNATIONAL TER-  
8 RORISM.—

9 (1) COMMERCE LICENSE REQUIREMENT.—

10 (A) IN GENERAL.—A license shall be re-  
11 quired for the export, reexport, or in-country  
12 transfer of items, the control of which is imple-  
13 mented pursuant to subsection (a) by the Sec-  
14 retary, to a country if the Secretary of State  
15 has made the following determinations:

16 (i) The government of such country  
17 has repeatedly provided support for acts of  
18 international terrorism.

19 (ii) The export, reexport, or in-coun-  
20 try transfer of such items could make a  
21 significant contribution to the military po-  
22 tential of such country, including its mili-  
23 tary logistics capability, or could enhance  
24 the ability of such country to support acts  
25 of international terrorism.

1 (B) DETERMINATION UNDER OTHER PRO-  
2 VISIONS OF LAW.—A determination of the Sec-  
3 retary of State under section 620A of the For-  
4 eign Assistance Act of 1961 (22 U.S.C. 2371),  
5 section 40 of the Arms Export Control Act (22  
6 U.S.C. 2780), or any other provision of law  
7 that the government of a country described in  
8 subparagraph (A) has repeatedly provided sup-  
9 port for acts of international terrorism shall be  
10 deemed to be a determination with respect to  
11 such government for purposes of clause (i) of  
12 subparagraph (A).

13 (2) NOTIFICATION TO CONGRESS.—

14 (A) IN GENERAL.—The Secretary of State  
15 and the Secretary shall notify the Committee on  
16 Foreign Affairs of the House of Representatives  
17 and the Committee on Banking, Housing, and  
18 Urban Affairs and the Committee on Foreign  
19 Relations of the Senate at least 30 days before  
20 any license is issued as required by paragraph  
21 (1).

22 (B) CONTENTS.—The Secretary of State  
23 shall include in the notification required under  
24 subparagraph (A)—

1 (i) a detailed description of the items  
2 to be offered, including a brief description  
3 of the capabilities of any item for which a  
4 license to export, reexport, or in-country  
5 transfer the items is sought;

6 (ii) the reasons why the foreign coun-  
7 try, person, or entity to which the export,  
8 reexport, or in-country transfer is proposed  
9 to be made has requested the items under  
10 the export, reexport, or in-country trans-  
11 fer, and a description of the manner in  
12 which such country, person, or entity in-  
13 tends to use such items;

14 (iii) the reasons why the proposed ex-  
15 port, reexport, or in-country transfer is in  
16 the national interest of the United States;

17 (iv) an analysis of the impact of the  
18 proposed export, reexport, or in-country  
19 transfer on the military capabilities of the  
20 foreign country, person, or entity to which  
21 such transfer would be made;

22 (v) an analysis of the manner in  
23 which the proposed export, reexport, or in-  
24 country transfer would affect the relative  
25 military strengths of countries in the re-

1           gion to which the items that are the sub-  
2           ject of such export, reexport, or in-country  
3           transfer would be delivered and whether  
4           other countries in the region have com-  
5           parable kinds and amounts of items; and

6                   (vi) an analysis of the impact of the  
7           proposed export, reexport, or in-country  
8           transfer on the relations of the United  
9           States with the countries in the region to  
10          which the items that are the subject of  
11          such export, reexport, or in-country trans-  
12          fer would be delivered.

13           (3) PUBLICATION IN FEDERAL REGISTER.—  
14          Each determination of the Secretary of State under  
15          paragraph (1)(A)(i) shall be published in the Fed-  
16          eral Register, except that the Secretary of State may  
17          exclude confidential information and trade secrets  
18          contained in such determination.

19           (4) RESCISSION OF DETERMINATION.—A deter-  
20          mination of the Secretary of State under paragraph  
21          (1)(A)(i) may not be rescinded unless the President  
22          submits to the Speaker of the House of Representa-  
23          tives, the chairman of the Committee on Foreign Af-  
24          fairs, and the chairman of the Committee on Bank-  
25          ing, Housing, and Urban Affairs and the chairman

1 of the Committee on Foreign Relations of the Sen-  
2 ate—

3 (A) before the proposed rescission would  
4 take effect, a report certifying that—

5 (i) there has been a fundamental  
6 change in the leadership and policies of the  
7 government of the country concerned;

8 (ii) that government is not supporting  
9 acts of international terrorism; and

10 (iii) that government has provided as-  
11 surances that it will not support acts of  
12 international terrorism in the future; or

13 (B) at least 45 days before the proposed  
14 rescission would take effect, a report justifying  
15 the rescission and certifying that—

16 (i) the government concerned has not  
17 provided any support for acts international  
18 terrorism during the preceding 6-month  
19 period; and

20 (ii) the government concerned has  
21 provided assurances that it will not sup-  
22 port acts of international terrorism in the  
23 future.

24 (d) ENHANCED CONTROLS.—

1           (1) IN GENERAL.—In furtherance of section  
2           1753(a), the President shall, except to the extent au-  
3           thorized by a statute or regulation administered by  
4           a Federal department or agency other than the De-  
5           partment of Commerce, require a United States per-  
6           son, wherever located, to apply for and receive a li-  
7           cense from the Department of Commerce for—

8                   (A) the export, reexport, or in-country  
9                   transfer of items described in paragraph (2), in-  
10                  cluding items that are not subject to control  
11                  under this part; and

12                   (B) other activities that may support the  
13                  design, development, production, use, operation,  
14                  installation, maintenance, repair, overhaul, or  
15                  refurbishing of, or for the performance of serv-  
16                  ices relating to, any such items.

17           (2) ITEMS DESCRIBED.—The items described in  
18           this paragraph include—

19                   (A) nuclear explosive devices;

20                   (B) missiles;

21                   (C) chemical or biological weapons;

22                   (D) whole plants for chemical weapons pre-  
23                  cursors; and

1           (E) foreign maritime nuclear projects that  
2           would pose a risk to the national security or  
3           foreign policy of the United States.

4           (e) **ADDITIONAL PROHIBITIONS.**—The Secretary may  
5 inform United States persons, either individually by spe-  
6 cific notice or through amendment to any regulation or  
7 order issued under this part, that a license from the Bu-  
8 reau of Industry and Security of the Department of Com-  
9 merce is required to engage in any activity if the activity  
10 involves the types of movement, service, or support de-  
11 scribed in subsection (d). The absence of any such notifi-  
12 cation does not excuse the United States person from com-  
13 pliance with the license requirements of subsection (d), or  
14 any regulation or order issued under this part.

15          (f) **LICENSE REVIEW STANDARDS.**—The Secretary  
16 shall deny an application to engage in any activity de-  
17 scribed in subsection (d) if the activity would make a ma-  
18 terial contribution to any of the items described in sub-  
19 section (d)(2).

20 **SEC. 1755. ADMINISTRATION OF EXPORT CONTROLS.**

21          (a) **IN GENERAL.**—The President shall rely on, in-  
22 cluding through delegations, as appropriate, the Secretary,  
23 the Secretary of Defense, the Secretary of State, the Sec-  
24 retary of Energy, the Director of National Intelligence,  
25 and the heads of other Federal agencies as appropriate,

1 to exercise the authority to carry out the purposes set  
2 forth in subsection (b).

3 (b) PURPOSES.—The purposes of this section include  
4 to—

5 (1) advise the President with respect to—

6 (A) identifying specific threats to the na-  
7 tional security and foreign policy that the au-  
8 thority of this part may be used to address; and

9 (B) exercising the authority under this  
10 part to implement policies, regulations, proce-  
11 dures, and actions that are necessary to effec-  
12 tively counteract those threats;

13 (2) review and approve—

14 (A) criteria for including items on, and re-  
15 moving such an item from, a list of controlled  
16 items established under this part;

17 (B) an interagency procedure for compiling  
18 and amending any list described in subpara-  
19 graph (A);

20 (C) criteria for including a person on a list  
21 of persons to whom exports, reexports, and in-  
22 country transfers of items are prohibited or re-  
23 stricted under this part;

24 (D) standards for compliance by persons  
25 subject to controls under this part; and

1 (E) policies and procedures for the end-use  
2 monitoring of exports, reexports, and in-country  
3 transfers of items controlled under this part;  
4 and

5 (3) benefit from the inherent equities, experi-  
6 ence, and capabilities of the Federal officials de-  
7 scribed in subsection (a).

8 (c) SENSE OF CONGRESS.—It is the sense of Con-  
9 gress that the administration of export controls under this  
10 part should be consistent with the procedures relating to  
11 export license applications described in Executive Order  
12 12981 (1995).

13 **SEC. 1756. LICENSING.**

14 (a) IN GENERAL.—The Secretary shall, consistent  
15 with delegations as described in section 1755, establish a  
16 procedure to license or otherwise authorize the export, re-  
17 export, and in-country transfer of items controlled under  
18 this part in order to carry out the policy set forth in sec-  
19 tion 1752 and the requirements set forth in section  
20 1753(b). The procedure shall ensure that—

21 (1) license applications and other requests for  
22 authorization are considered and decisions made  
23 with the participation of appropriate Federal agen-  
24 cies, as appropriate; and

1           (2) licensing decisions are made in an expedi-  
2           tious manner, with transparency to applicants on the  
3           status of license and other authorization processing  
4           and the reason for denying any license or request for  
5           authorization.

6           (b) SENSE OF CONGRESS.—It is the sense of Con-  
7           gress that the Secretary should make best efforts to en-  
8           sure that an accurate, consistent, and timely evaluation  
9           and processing of licenses or other requests for authoriza-  
10          tion to export, reexport, or in-country transfer items con-  
11          trolled under this part is generally accomplished within 30  
12          days from the date of such license request.

13          (c) FEES.—No fee may be charged in connection with  
14          the submission, processing, or consideration of any appli-  
15          cation for a license or other authorization or other request  
16          made in connection with any regulation in effect under  
17          the authority of this part.

18          (d) ADDITIONAL PROCEDURAL REQUIREMENTS.—

19                (1) IN GENERAL.—The procedure required  
20                under subsection (a) shall provide for the assessment  
21                of the impact of a proposed export of an item on the  
22                United States defense industrial base and the denial  
23                of an application for a license or a request for an  
24                authorization of any export that would have a sig-

1       nificant negative impact on such defense industrial  
2       base, as described in paragraph (3).

3           (2) INFORMATION FROM APPLICANT.—The pro-  
4       cedure required under subsection (a) shall also re-  
5       quire an applicant for a license to provide the infor-  
6       mation necessary to make the assessment provided  
7       under paragraph (1), including whether the purpose  
8       or effect of the export is to allow for the significant  
9       production of items relevant for the defense indus-  
10      trial base outside the United States.

11          (3) SIGNIFICANTLY NEGATIVE IMPACT DE-  
12      FINED.—A significant negative impact on the United  
13      States defense industrial base is the following:

14           (A) A reduction in the availability of an  
15      item produced in the United States that is like-  
16      ly to be acquired by the Department of Defense  
17      or other Federal department or agency for the  
18      advancement of the national security of the  
19      United States, or for the production of an item  
20      in the United States for the Department of De-  
21      fense or other agency for the advancement of  
22      the national security of the United States.

23           (B) A reduction in the production in the  
24      United States of an item that is the result of  
25      research and development carried out, or fund-

1 ed by, the Department of Defense or other Fed-  
2 eral department or agency to advance the na-  
3 tional security of the United States, or a feder-  
4 ally funded research and development center.

5 (C) A reduction in the employment of  
6 United States persons whose knowledge and  
7 skills are necessary for the continued produc-  
8 tion in the United States of an item that is  
9 likely to be acquired by the Department of De-  
10 fense or other Federal department or agency  
11 for the advancement of the national security of  
12 the United States.

13 **SEC. 1757. COMPLIANCE ASSISTANCE.**

14 (a) SYSTEM FOR SEEKING ASSISTANCE.—The Presi-  
15 dent may authorize the Secretary to establish a system  
16 to provide United States persons with assistance in com-  
17 plying with this part, which may include a mechanism for  
18 providing information, in classified form as appropriate,  
19 who are potential customers, suppliers, or business part-  
20 ners with respect to items controlled under this part, in  
21 order to further ensure the prevention of the export, reex-  
22 port, or in-country transfer of items that may pose a  
23 threat to the national security or foreign policy of the  
24 United States.

1 (b) SECURITY CLEARANCES.—In order to carry out  
2 subsection (a), the President may issue appropriate secu-  
3 rity clearances to persons described in that subsection who  
4 are responsible for complying with this part.

5 (c) ASSISTANCE FOR CERTAIN BUSINESSES.—

6 (1) IN GENERAL.—Not later than 120 days  
7 after the date of the enactment of this Act, the  
8 President shall develop and submit to Congress a  
9 plan to assist small- and medium-sized United  
10 States businesses in export licensing and other proc-  
11 esses under this part.

12 (2) CONTENTS.—The plan shall include, among  
13 other things, arrangements for the Department of  
14 Commerce to provide counseling to businesses de-  
15 scribed in paragraph (1) on filing applications and  
16 identifying items controlled under this part, as well  
17 as proposals for seminars and conferences to educate  
18 such businesses on export controls, licensing proce-  
19 dures, and related obligations.

20 **SEC. 1758. REQUIREMENTS TO IDENTIFY AND CONTROL**  
21 **THE EXPORT OF EMERGING AND**  
22 **FOUNDATIONAL TECHNOLOGIES.**

23 (a) IDENTIFICATION OF TECHNOLOGIES.—

24 (1) IN GENERAL.—The President shall establish  
25 and, in coordination with the Secretary, the Sec-

1       retary of Defense, the Secretary of Energy, the Sec-  
2       retary of State, and the heads of other Federal  
3       agencies as appropriate, lead, a regular, ongoing  
4       interagency process to identify emerging and  
5       foundational technologies that—

6               (A) are essential to the national security of  
7       the United States; and

8               (B) are not critical technologies described  
9       in clauses (i) through (v) of section  
10       721(a)(6)(A) of the Defense Production Act of  
11       1950, as amended by section 1703.

12       (2) PROCESS.—The interagency process estab-  
13       lished under subsection (a) shall—

14               (A) be informed by multiple sources of in-  
15       formation, including—

16                   (i) publicly available information;

17                   (ii) classified information, including  
18       relevant information provided by the Direc-  
19       tor of National Intelligence;

20                   (iii) information relating to reviews  
21       and investigations of transactions by the  
22       Committee on Foreign Investment in the  
23       United States under section 721 of the De-  
24       fense Production Act of 1950 (50 U.S.C.  
25       4565); and

1 (iv) information provided by the advi-  
2 sory committees established by the Sec-  
3 retary to advise the Under Secretary of  
4 Commerce for Industry and Security on  
5 controls under the Export Administration  
6 Regulations, including the Emerging Tech-  
7 nology and Research Advisory Committee;  
8 (B) take into account—

9 (i) the development of emerging and  
10 foundational technologies in foreign coun-  
11 tries;

12 (ii) the effect export controls imposed  
13 pursuant to this section may have on the  
14 development of such technologies in the  
15 United States; and

16 (iii) the effectiveness of export con-  
17 trols imposed pursuant to this section on  
18 limiting the proliferation of emerging and  
19 foundational technologies to foreign coun-  
20 tries; and

21 (C) include a notice and comment period.

22 (b) COMMERCE CONTROLS.—

23 (1) IN GENERAL.—Except to the extent incon-  
24 sistent with the authorities described in subsection

25 (a)(1)(B), the Secretary shall establish appropriate

1 controls under the Export Administration Regula-  
2 tions on the export, reexport, or in-country transfer  
3 of technology identified pursuant to subsection (a),  
4 including through interim controls (such as by in-  
5 forming a person that a license is required for ex-  
6 port), as appropriate, or by publishing additional  
7 regulations.

8 (2) LEVELS OF CONTROL.—

9 (A) IN GENERAL.—The Secretary may, in  
10 coordination with the Secretary of Defense, the  
11 Secretary of State, and the heads of other Fed-  
12 eral agencies, as appropriate, specify the level  
13 of control to apply under paragraph (1) with re-  
14 spect to the export of technology described in  
15 that paragraph, including a requirement for a  
16 license or other authorization for the export, re-  
17 export, or in-country transfer of that tech-  
18 nology.

19 (B) CONSIDERATIONS.—In determining  
20 under subparagraph (A) the level of control ap-  
21 propriate for technology described in paragraph  
22 (1), the Secretary shall take into account—

23 (i) lists of countries to which exports  
24 from the United States are restricted; and

1 (ii) the potential end uses and end  
2 users of the technology.

3 (C) MINIMUM REQUIREMENTS.—At a min-  
4 imum, except as provided by paragraph (4), the  
5 Secretary shall require a license for the export,  
6 reexport, or in-country transfer of technology  
7 described in paragraph (1) to or in a country  
8 subject to an embargo, including an arms em-  
9 bargo, imposed by the United States.

10 (3) REVIEW OF LICENSE APPLICATIONS.—

11 (A) PROCEDURES.—The procedures set  
12 forth in Executive Order 12981 (50 U.S.C.  
13 4603 note; relating to administration of export  
14 controls) or a successor order shall apply to the  
15 review of an application for a license or other  
16 authorization for the export, reexport, or in-  
17 country transfer of technology described in  
18 paragraph (1).

19 (B) CONSIDERATION OF INFORMATION RE-  
20 LATING TO NATIONAL SECURITY.—In reviewing  
21 an application for a license or other authoriza-  
22 tion for the export, reexport, or in-country  
23 transfer of technology described in paragraph  
24 (1), the Secretary shall take into account infor-  
25 mation provided by the Director of National In-

1 intelligence regarding any threat to the national  
2 security of the United States posed by the pro-  
3 posed export, reexport, or transfer. The Direc-  
4 tor of National Intelligence shall provide such  
5 information on the request of the Secretary.

6 (C) DISCLOSURES RELATING TO COLLABO-  
7 RATIVE ARRANGEMENTS.—In the case of an ap-  
8 plication for a license or other authorization for  
9 the export, reexport, or in-country transfer of  
10 technology described in paragraph (1) sub-  
11 mitted by or on behalf of a joint venture, joint  
12 development agreement, or similar collaborative  
13 arrangement, the Secretary may require the ap-  
14 plicant to identify, in addition to any foreign  
15 person participating in the arrangement, any  
16 foreign person with significant ownership inter-  
17 est in a foreign person participating in the ar-  
18 rangement.

19 (4) EXCEPTIONS.—

20 (A) MANDATORY EXCEPTIONS.—The Sec-  
21 retary may not control under this subsection  
22 the export of any technology—

23 (i) described in section 203(b) of the  
24 International Emergency Economic Powers  
25 Act (50 U.S.C. 1702(b)); or

1 (ii) if the regulation of the export of  
2 that technology is prohibited under any  
3 other provision of law.

4 (B) REGULATORY EXCEPTIONS.—In pre-  
5 scribing regulations under paragraph (1), the  
6 Secretary may include regulatory exceptions to  
7 the requirements of that paragraph.

8 (C) ADDITIONAL EXCEPTIONS.—The Sec-  
9 retary shall not be required to impose under  
10 paragraph (1) a requirement for a license or  
11 other authorization with respect to the export,  
12 reexport, or in-country transfer of technology  
13 described in paragraph (1) pursuant to any of  
14 the following transactions:

15 (i) The sale or license of a finished  
16 item and the provision of associated tech-  
17 nology if the United States person that is  
18 a party to the transaction generally makes  
19 the finished item and associated technology  
20 available to its customers, distributors, or  
21 resellers.

22 (ii) The sale or license to a customer  
23 of a product and the provision of integra-  
24 tion services or similar services if the  
25 United States person that is a party to the

1 transaction generally makes such services  
2 available to its customers.

3 (iii) The transfer of equipment and  
4 the provision of associated technology to  
5 operate the equipment if the transfer could  
6 not result in the foreign person using the  
7 equipment to produce critical technologies  
8 (as defined in section 721(a) of the De-  
9 fense Production Act of 1950, as amended  
10 by section 1703).

11 (iv) The procurement by the United  
12 States person that is a party to the trans-  
13 action of goods or services, including man-  
14 ufacturing services, from a foreign person  
15 that is a party to the transaction, if the  
16 foreign person has no rights to exploit any  
17 technology contributed by the United  
18 States person other than to supply the pro-  
19 cured goods or services.

20 (v) Any contribution and associated  
21 support by a United States person that is  
22 a party to the transaction to an industry  
23 organization related to a standard or speci-  
24 fication, whether in development or de-  
25 clared, including any license of or commit-

1                   ment to license intellectual property in  
2                   compliance with the rules of any standards  
3                   organization (as defined by the Secretary  
4                   by regulation).

5           (c) MULTILATERAL CONTROLS.—

6                   (1) IN GENERAL.—The Secretary of State, in  
7                   consultation with the Secretary and the Secretary of  
8                   Defense, and the heads of other Federal agencies, as  
9                   appropriate, shall propose that any technology iden-  
10                  tified pursuant to subsection (a) be added to the list  
11                  of technologies controlled by the relevant multilateral  
12                  export control regimes.

13                  (2) ITEMS ON COMMERCE CONTROL LIST OR  
14                  UNITED STATES MUNITIONS LIST.—If the Secretary  
15                  of State proposes to a multilateral export control re-  
16                  gime under paragraph (1) to add a technology iden-  
17                  tified pursuant to subsection (a) to the control list  
18                  of that regime and that regime does not add that  
19                  technology to the control list during the 3-year pe-  
20                  riod beginning on the date of the proposal, the appli-  
21                  cable agency head may determine whether national  
22                  security concerns warrant the continuation of unilat-  
23                  eral export controls with respect to that technology.

24                  (d) REPORT TO COMMITTEE ON FOREIGN INVEST-  
25                  MENT IN THE UNITED STATES.—Not less frequently than

1 every 180 days, the Secretary, in coordination with the  
2 Secretary of Defense, the Secretary of State, and the  
3 heads of other Federal agencies, as appropriate, shall sub-  
4 mit to the Committee on Foreign Investment in the United  
5 States a report on the results of actions taken pursuant  
6 to this section.

7 (e) REPORT TO CONGRESS.—Not less frequently than  
8 every 180 days, the Secretary, in coordination with the  
9 Secretary of Defense, the Secretary of State, and the  
10 heads of other Federal agencies, as appropriate, shall sub-  
11 mit a report on the results of actions taken pursuant to  
12 this section, including actions taken pursuant to sub-  
13 sections (a), (b), and (c), to—

14 (1) the Committee on Banking, Housing, and  
15 Urban Affairs, the Committee on Foreign Relations,  
16 the Committee on Armed Services, and the Select  
17 Committee on Intelligence of the Senate; and

18 (2) the Committee on Financial Services, the  
19 Committee on Foreign Affairs, the Committee on  
20 Armed Services, and the Permanent Select Com-  
21 mittee on Intelligence of the House of Representa-  
22 tives.

23 (f) MODIFICATIONS TO EMERGING TECHNOLOGY  
24 AND RESEARCH ADVISORY COMMITTEE.—

1           (1) IN GENERAL.—The Secretary shall revise  
2           the objectives of the Emerging Technology and Re-  
3           search Advisory Committee, established by the Sec-  
4           retary under the Export Administration Regulations,  
5           to include advising the interagency process estab-  
6           lished under subsection (a) with respect to emerging  
7           and foundational technologies.

8           (2) DUTIES.—The Secretary—

9                   (A) shall revise the duties of the Emerging  
10           Technology and Research Advisory Committee  
11           to include identifying emerging and  
12           foundational technologies that may be developed  
13           over a period of 5 years or 10 years; and

14                   (B) may revise the duties of the Advisory  
15           Committee to include identifying trends in—

16                           (i) the ownership by foreign persons  
17                           and foreign governments of such tech-  
18                           nologies;

19                           (ii) the types of transactions related  
20                           to such technologies engaged in by foreign  
21                           persons and foreign governments;

22                           (iii) the blending of private and gov-  
23                           ernment investment in such technologies;  
24                           and

1 (iv) efforts to obfuscate ownership of  
2 such technologies or to otherwise cir-  
3 cumvent the controls established under this  
4 section.

5 (3) MEETINGS.—

6 (A) FREQUENCY.—The Emerging Tech-  
7 nology and Research Advisory Committee  
8 should meet not less frequently than every 120  
9 days.

10 (B) ATTENDANCE.—A representative from  
11 each agency participating in the interagency  
12 process established under subsection (a) should  
13 be in attendance at each meeting of the Emerg-  
14 ing Technology and Research Advisory Com-  
15 mittee.

16 (4) CLASSIFIED INFORMATION.—Not fewer  
17 than half of the members of the Emerging Tech-  
18 nology and Research Advisory Committee should  
19 hold sufficient security clearances such that classi-  
20 fied information, including classified information de-  
21 scribed in clauses (ii) and (iii) of subsection  
22 (a)(2)(A), from the interagency process established  
23 under subsection (a) can be shared with those mem-  
24 bers to inform the advice provided by the Advisory  
25 Committee.

1           (5) APPLICABILITY OF FEDERAL ADVISORY  
2           COMMITTEE ACT.—Subsections (a)(1), (a)(3), and  
3           (b) of section 10 and sections 11, 13, and 14 of the  
4           Federal Advisory Committee Act (5 U.S.C. App.)  
5           shall not apply to the Emerging Technology and Re-  
6           search Advisory Committee.

7           (6) REPORT.—The Emerging Technology and  
8           Research Advisory Committee shall include the find-  
9           ings of the Advisory Committee under this sub-  
10          section in the annual report to Congress required by  
11          section 1765.

12          (g) RULE OF CONSTRUCTION.—Nothing in this sub-  
13          title shall be construed to alter or limit—

14                (1) the authority of the President or the Sec-  
15                retary of State to designate items as defense articles  
16                and defense services for the purposes of the Arms  
17                Export Control Act (22 U.S.C. 2751 et seq.) or to  
18                otherwise regulate such items; or

19                (2) the authority of the President under the  
20                Atomic Energy Act of 1954 (42 U.S.C. 2011 et  
21                seq.), the Nuclear Non-Proliferation Act of 1978 (22  
22                U.S.C. 3201 et seq.), the Energy Reorganization Act  
23                of 1974 (42 U.S.C. 5801 et seq.), or the Export Ad-  
24                ministration Act of 1979 (50 U.S.C. 4601 et seq.)  
25                (as continued in effect pursuant to the International

1       Emergency Economic Powers Act (50 U.S.C. 1701  
2       et seq.)) or any other provision of law relating to the  
3       control of exports.

4       **SEC. 1759. REVIEW RELATING TO COUNTRIES SUBJECT TO**  
5                               **COMPREHENSIVE UNITED STATES ARMS EM-**  
6                               **BARGO.**

7       (a) IN GENERAL.—The Secretary, the Secretary of  
8       Defense, the Secretary of State, the Secretary of Energy,  
9       and the heads of other Federal agencies as appropriate,  
10      shall conduct a review of license requirements for exports,  
11      reexports, or in-country transfers of items to countries  
12      subject to a comprehensive United States arms embargo,  
13      including, as appropriate—

14               (1) the scope of controls under title 15, Code of  
15      Federal Regulations, that apply to exports, reex-  
16      ports, and in-country transfers for military end uses  
17      and military end users in countries that are subject  
18      to a comprehensive United States arms embargo and  
19      countries that are subject to a United Nations arms  
20      embargo; and

21               (2) entries on the Commerce Control List main-  
22      tained under title 15, Code of Federal Regulations,  
23      that are not subject to a license requirement for the  
24      export, reexport, or in-country transfer of items to

1 countries subject to a comprehensive United States  
2 arms embargo;

3 (b) IMPLEMENTATION OF RESULTS OF REVIEW.—

4 Not later than 270 days after the date of the enactment  
5 of this Act, the Secretary shall implement the results of  
6 the review conducted under subsection (a).

7 **SEC. 1760. PENALTIES.**

8 (a) UNLAWFUL ACTS.—

9 (1) IN GENERAL.—It shall be unlawful for a  
10 person to violate, attempt to violate, conspire to vio-  
11 late, or cause a violation of this part or of any regu-  
12 lation, order, license, or other authorization issued  
13 under this part, including any of the unlawful acts  
14 described in paragraph (2).

15 (2) SPECIFIC UNLAWFUL ACTS.—The unlawful  
16 acts described in this paragraph are the following:

17 (A) No person may engage in any conduct  
18 prohibited by or contrary to, or refrain from en-  
19 gaging in any conduct required by this part, the  
20 Export Administration Regulations, or any  
21 order, license or authorization issued there-  
22 under.

23 (B) No person may cause or aid, abet,  
24 counsel, command, induce, procure, permit, or  
25 approve the doing of any act prohibited, or the

1 omission of any act required by this part, the  
2 Export Administration Regulations, or any  
3 order, license or authorization issued there-  
4 under.

5 (C) No person may solicit or attempt a vio-  
6 lation of this part, the Export Administration  
7 Regulations, or any order, license or authoriza-  
8 tion issued thereunder.

9 (D) No person may conspire or act in con-  
10 cert with one or more other persons in any  
11 manner or for any purpose to bring about or to  
12 do any act that constitutes a violation of this  
13 part, the Export Administration Regulations, or  
14 any order, license or authorization issued there-  
15 under.

16 (E) No person may order, buy, remove,  
17 conceal, store, use, sell, loan, dispose of, trans-  
18 fer, transport, finance, forward, or otherwise  
19 service, in whole or in part, or conduct negotia-  
20 tions to facilitate such activities for, any item  
21 exported or to be exported from the United  
22 States, or that is otherwise subject to the Ex-  
23 port Administration Regulations, with knowl-  
24 edge that a violation of this part, the Export  
25 Administration Regulations, or any order, li-

1           cense or authorization issued thereunder, has  
2           occurred, is about to occur, or is intended to  
3           occur in connection with the item unless valid  
4           authorization is obtained therefor.

5           (F) No person may make any false or mis-  
6           leading representation, statement, or certifi-  
7           cation, or falsify or conceal any material fact,  
8           either directly to the Department of Commerce,  
9           or an official of any other United States agen-  
10          cy, including the Department of Homeland Se-  
11          curity and the Department of Justice, or indi-  
12          rectly through any other person—

13                 (i) in the course of an investigation or  
14                 other action subject to the Export Admin-  
15                 istration Regulations;

16                 (ii) in connection with the prepara-  
17                 tion, submission, issuance, use, or mainte-  
18                 nance of any export control document or  
19                 any report filed or required to be filed pur-  
20                 suant to the Export Administration Regu-  
21                 lations; or

22                 (iii) for the purpose of or in connec-  
23                 tion with effecting any export, reexport, or  
24                 in-country transfer of an item subject to  
25                 the Export Administration Regulations or

1 a service or other activity of a United  
2 States person described in section 1754.

3 (G) No person may engage in any trans-  
4 action or take any other action with intent to  
5 evade the provisions of this part, the Export  
6 Administration Regulations, or any order, li-  
7 cense, or authorization issued thereunder.

8 (H) No person may fail or refuse to com-  
9 ply with any reporting or recordkeeping require-  
10 ments of the Export Administration Regula-  
11 tions or of any order, license, or authorization  
12 issued thereunder.

13 (I) Except as specifically authorized in the  
14 Export Administration Regulations or in writ-  
15 ing by the Department of Commerce, no person  
16 may alter any license, authorization, export con-  
17 trol document, or order issued under the Export  
18 Administration Regulations.

19 (J) No person may take any action that is  
20 prohibited by a denial order or a temporary de-  
21 nial order issued by the Department of Com-  
22 merce to prevent imminent violations of this  
23 part, the Export Administration Regulations, or  
24 any order, license or authorization issued there-  
25 under.

1           (3) ADDITIONAL REQUIREMENTS.—For pur-  
2           poses of paragraph (2)(F), any representation, state-  
3           ment, or certification made by any person shall be  
4           deemed to be continuing in effect. Each person who  
5           has made a representation, statement, or certifi-  
6           cation to the Department of Commerce relating to  
7           any order, license, or other authorization issued  
8           under this part shall notify the Department of Com-  
9           merce, in writing, of any change of any material fact  
10          or intention from that previously represented, stated,  
11          or certified, immediately upon receipt of any infor-  
12          mation that would lead a reasonably prudent person  
13          to know that a change of material fact or intention  
14          had occurred or may occur in the future.

15          (b) CRIMINAL PENALTY.—A person who willfully  
16          commits, willfully attempts to commit, or willfully con-  
17          spires to commit, or aids and abets in the commission of,  
18          an unlawful act described in subsection (a)—

19                 (1) shall be fined not more than \$1,000,000;  
20          and

21                 (2) in the case of the individual, shall be im-  
22          prisoned for not more than 20 years, or both.

23          (c) CIVIL PENALTIES.—

24                 (1) AUTHORITY.—The Secretary may impose  
25          the following civil penalties on a person for each vio-

1 lation by that person of this part or any regulation,  
2 order, or license issued under this part, for each vio-  
3 lation:

4 (A) A fine of not more than \$300,000 or  
5 an amount that is twice the value of the trans-  
6 action that is the basis of the violation with re-  
7 spect to which the penalty is imposed, which-  
8 ever is greater.

9 (B) Revocation of a license issued under  
10 this part to the person.

11 (C) A prohibition on the person's ability to  
12 export, reexport, or in-country transfer any  
13 items controlled under this part.

14 (2) PROCEDURES.—Any civil penalty under this  
15 subsection may be imposed only after notice and op-  
16 portunity for an agency hearing on the record in ac-  
17 cordance with sections 554 through 557 of title 5,  
18 United States Code.

19 (3) STANDARDS FOR LEVELS OF CIVIL PEN-  
20 ALTY.—The Secretary may by regulation provide  
21 standards for establishing levels of civil penalty  
22 under this subsection based upon factors such as the  
23 seriousness of the violation, the culpability of the vi-  
24 olator, and such mitigating factors as the violator's

1 record of cooperation with the Government in dis-  
2 closing the violation.

3 (d) CRIMINAL FORFEITURE.—

4 (1) IN GENERAL.—Any person who is convicted  
5 under subsection (b) of a violation of a control im-  
6 posed under section 1753 (or any regulation, order,  
7 or license issued with respect to such control) shall,  
8 in addition to any other penalty, forfeit to the  
9 United States any of the person's property—

10 (A) used or intended to be used, in any  
11 manner, to commit or facilitate the violation;

12 (B) constituting or traceable to the gross  
13 proceeds taken, obtained, or retained, in con-  
14 nection with or as a result of the violation; or

15 (C) constituting an item or technology that  
16 is exported or intended to be exported in viola-  
17 tion of this title.

18 (2) PROCEDURES.—The procedures in any for-  
19 feiture under this subsection shall be governed by  
20 the procedures established under section 413 of the  
21 Comprehensive Drug Abuse Prevention and Control  
22 Act of 1970 (21 U.S.C. 853), other than subsection  
23 (d) of such section.

24 (e) PRIOR CONVICTIONS.—

25 (1) LICENSE BAR.—

1 (A) IN GENERAL.—The Secretary may—

2 (i) deny the eligibility of any person  
3 convicted of a criminal violation described  
4 in subparagraph (B) to export, reexport, or  
5 in-country transfer outside the United  
6 States any item, whether or not subject to  
7 controls under this part, for a period of up  
8 to 10 years beginning on the date of the  
9 conviction; and

10 (ii) revoke any license or other author-  
11 ization to export, reexport, or in-country  
12 transfer items that was issued under this  
13 part and in which such person has an in-  
14 terest at the time of the conviction.

15 (B) VIOLATIONS.—The violations referred  
16 to in subparagraph (A) are any criminal viola-  
17 tions of, or criminal attempt or conspiracy to  
18 violate—

19 (i) this part (or any regulation, li-  
20 cense, or order issued under this part);

21 (ii) any regulation, license, or order  
22 issued under the International Emergency  
23 Economic Powers Act;

24 (iii) section 371, 554, 793, 794, or  
25 798 of title 18, United States Code;

1 (iv) section 1001 of title 18, United  
2 States Code;

3 (v) section 4(b) of the Internal Secu-  
4 rity Act of 1950 (50 U.S.C. 783(b)); or

5 (vi) section 38 of the Arms Export  
6 Control Act (22 U.S.C. 2778).

7 (2) APPLICATION TO OTHER PARTIES.—The  
8 Secretary may exercise the authority under para-  
9 graph (1) with respect to any person related,  
10 through affiliation, ownership, control, position of  
11 responsibility, or other connection in the conduct of  
12 trade or business, to any person convicted of any  
13 violation of law set forth in paragraph (1), upon a  
14 showing of such relationship with the convicted  
15 party, and subject to the procedures set forth in  
16 subsection (c)(2).

17 (f) OTHER AUTHORITIES.—Nothing in subsection  
18 (c), (d), or (e) limits—

19 (1) the availability of other administrative or  
20 judicial remedies with respect to violations of this  
21 part, or any regulation, order, license or other au-  
22 thorization issued under this part;

23 (2) the authority to compromise and settle ad-  
24 ministrative proceedings brought with respect to vio-

1 lations of this part, or any regulation, order, license,  
2 or other authorization issued under this part; or

3 (3) the authority to compromise, remit or miti-  
4 gate seizures and forfeitures pursuant to section  
5 1(b) of title VI of the Act of June 15, 1917 (22  
6 U.S.C. 401(b)).

7 **SEC. 1761. ENFORCEMENT.**

8 (a) **AUTHORITIES.**—In order to enforce this part, the  
9 Secretary, on behalf of the President, may exercise, in ad-  
10 dition to relevant enforcement authorities of other Federal  
11 agencies, the authority to—

12 (1) issue orders and guidelines;

13 (2) require, inspect, and obtain books, records,  
14 and any other information from any person subject  
15 to the provisions of this part;

16 (3) administer oaths or affirmations and by  
17 subpoena require any person to appear and testify or  
18 to appear and produce books, records, and other  
19 writings, or both;

20 (4) conduct investigations within the United  
21 States and outside the United States consistent with  
22 applicable law;

23 (5) inspect, search, detain, seize, or issue tem-  
24 porary denial orders with respect to items, in any  
25 form, that are subject to controls under this part, or

1 conveyances on which it is believed that there are  
2 items that have been, are being, or are about to be  
3 exported, reexported, or in-country transferred in  
4 violation of this part, or any regulations, order, li-  
5 cense, or other authorization issued thereunder;

6 (6) carry firearms;

7 (7) conduct prelicense inspections and post-  
8 shipment verifications; and

9 (8) execute warrants and make arrests.

10 (b) UNDERCOVER INVESTIGATIONS.—

11 (1) IN GENERAL.—Amounts made available to  
12 carry out this part may be used by the Secretary to  
13 carry out undercover investigations that are nec-  
14 essary for detection and prosecution of violations of  
15 this part, including to—

16 (A) purchase property, buildings, and  
17 other facilities, and to lease space, within the  
18 United States, the District of Columbia, and  
19 the territories and possessions of the United  
20 States without regard to—

21 (i) sections 1341 and 3324 of title 31,  
22 United States Code;

23 (ii) section 8141 of title 40, United  
24 States Code;

1 (iii) sections 3901, 6301(a) and (b)(1)  
2 to (3), and 6306 of title 41, United States  
3 Code; and

4 (iv) chapter 45 of title 41, United  
5 States Code; and

6 (B) establish or acquire proprietary cor-  
7 porations or business entities as part of the un-  
8 dercover operation and operate such corpora-  
9 tions or business entities on a commercial basis,  
10 without regard to sections 9102 and 9103 of  
11 title 31, United States Code.

12 (2) DEPOSIT OF AMOUNTS IN BANKS OR OTHER  
13 FINANCIAL INSTITUTIONS.—Amounts made available  
14 to carry out this part that are used to carry out un-  
15 dercover operations under paragraph (1) may be de-  
16 posited in banks or other financial institutions with-  
17 out regard to the provisions of section 648 of title  
18 18, United States Code, and section 3302 of title  
19 31, United States Code.

20 (3) OFFSET OF NECESSARY AND REASONABLE  
21 EXPENSES.—Any proceeds from an undercover oper-  
22 ation carried out under paragraph (1) may be used  
23 to offset necessary and reasonable expenses incurred  
24 in such undercover operation without regard to the

1 provisions of section 3302 of title 31, United States  
2 Code.

3 (4) DISPOSITION OF CORPORATIONS AND BUSI-  
4 NESS ENTITIES.—If a corporation or business entity  
5 established or acquired as part of an undercover op-  
6 eration carried out under paragraph (1) with a net  
7 value of over \$50,000 is to be liquidated, sold, or  
8 otherwise disposed of, the Secretary shall report the  
9 circumstances to the Comptroller General of the  
10 United States as much in advance of such disposi-  
11 tion as the Secretary determines is practicable. The  
12 proceeds of the liquidation, sale, or other disposition,  
13 after obligations are met, shall be deposited in the  
14 Treasury of the United States as miscellaneous re-  
15 ceipts. Any property or equipment purchased pursu-  
16 ant to paragraph (1) may be retained for subsequent  
17 use in undercover operations under this section.  
18 When such property or equipment is no longer need-  
19 ed, it shall be considered surplus and disposed of as  
20 surplus government property.

21 (5) DEPOSIT OF PROCEEDS.—As soon as the  
22 proceeds from an undercover operation carried out  
23 under paragraph (1), with respect to which an ac-  
24 tion is certified and carried out under this sub-  
25 section, are no longer needed for the conduct of such

1 operation, the proceeds or the balance of such pro-  
2 ceeds remaining at the time shall be deposited into  
3 the Treasury of the United States as miscellaneous  
4 receipts.

5 (c) ENFORCEMENT OF SUBPOENAS.—In the case of  
6 contumacy by, or refusal to obey a subpoena issued to,  
7 any person under subsection (a)(3), a district court of the  
8 United States, after notice to such person and a hearing,  
9 shall have jurisdiction to issue an order requiring such  
10 person to appear and give testimony or to appear and  
11 produce books, records, and other writings, regardless of  
12 format, that are the subject of the subpoena. Any failure  
13 to obey such order of the court may be punished by such  
14 court as a contempt thereof.

15 (d) BEST PRACTICE GUIDELINES.—

16 (1) IN GENERAL.—The Secretary, in consulta-  
17 tion with the heads of other appropriate Federal  
18 agencies, should publish and update “best practices”  
19 guidelines to assist persons in developing and imple-  
20 menting, on a voluntary basis, effective export con-  
21 trol programs in compliance with the regulations  
22 issued under this part.

23 (2) EXPORT COMPLIANCE PROGRAM.—The im-  
24 plementation by a person of an effective export com-  
25 pliance program and a high quality overall export

1 compliance effort by a person should ordinarily be  
2 given weight as mitigating factors in a civil penalty  
3 action against the person under this part.

4 (e) REFERENCE TO ENFORCEMENT.—For purposes  
5 of this section, a reference to the enforcement of, or a vio-  
6 lation of, this part includes a reference to the enforcement  
7 or a violation of any regulation, order, license or other au-  
8 thorization issued pursuant to this part.

9 (f) WIRETAPPING.—Section 2516(1) of title 18,  
10 United States Code, is amended—

11 (1) in subparagraph (s), by striking “or” at the  
12 end;

13 (2) by redesignating subparagraph (t) as sub-  
14 paragraph (u); and

15 (3) by inserting after subparagraph (s) (as  
16 amended by paragraph (1) of this subsection) the  
17 following new subparagraph:

18 “(t) any violation of the Export Control  
19 Reform Act of 2018; or”.

20 (g) IMMUNITY.—A person shall not be excused from  
21 complying with any requirements under this section be-  
22 cause of the person’s privilege against self-incrimination,  
23 but the immunity provisions of section 6002 of title 18,  
24 United States Code, shall apply with respect to any indi-  
25 vidual who specifically claims such privilege.

1 (h) CONFIDENTIALITY OF INFORMATION.—

2 (1) EXEMPTIONS FROM DISCLOSURE.—

3 (A) IN GENERAL.—Information obtained  
4 under this part may be withheld from disclosure  
5 only to the extent permitted by statute, except  
6 that information described in subparagraph (B)  
7 shall be withheld from public disclosure and  
8 shall not be subject to disclosure under section  
9 552(b)(3) of title 5, United States Code, unless  
10 the release of such information is determined by  
11 the Secretary to be in the national interest.

12 (B) INFORMATION DESCRIBED.—Informa-  
13 tion described in this subparagraph is informa-  
14 tion submitted or obtained in connection with  
15 an application for a license or other authoriza-  
16 tion to export, reexport, or in-country transfer  
17 items or engage in other activities, a record-  
18 keeping or reporting requirement, an enforce-  
19 ment activity, or other operations under this  
20 part, including—

21 (i) the license application, license, or  
22 other authorization itself;

23 (ii) classification or advisory opinion  
24 requests, and the response thereto;

1 (iii) license determinations, and infor-  
2 mation pertaining thereto;

3 (iv) information or evidence obtained  
4 in the course of any investigation; and

5 (v) information obtained or furnished  
6 in connection with any international agree-  
7 ment, treaty, or other obligation.

8 (2) INFORMATION TO THE CONGRESS AND  
9 GAO.—

10 (A) IN GENERAL.—Nothing in this section  
11 shall be construed as authorizing the with-  
12 holding of information from the Congress or  
13 from the Government Accountability Office.

14 (B) AVAILABILITY TO THE CONGRESS.—

15 (i) IN GENERAL.—Any information  
16 obtained at any time under any provision  
17 of the Export Administration Act of 1979  
18 (50 U.S.C. 4601 et seq.) (as in effect on  
19 the day before the date of the enactment  
20 of this Act and as continued in effect pur-  
21 suant to the International Emergency Eco-  
22 nomic Powers Act (50 U.S.C. 1701 et  
23 seq.)), under the Export Administration  
24 Regulations, or under this part, including  
25 any report or license application required

1 under any such provision, shall be made  
2 available to a committee or subcommittee  
3 of Congress of appropriate jurisdiction,  
4 upon the request of the chairman or rank-  
5 ing minority member of such committee or  
6 subcommittee.

7 (ii) PROHIBITION ON FURTHER DIS-  
8 CLOSURE.—No such committee or sub-  
9 committee, or member thereof, may dis-  
10 close any information made available under  
11 clause (i), that is submitted on a confiden-  
12 tial basis unless the full committee deter-  
13 mines that the withholding of that infor-  
14 mation is contrary to the national interest.

15 (C) AVAILABILITY TO GAO.—

16 (i) IN GENERAL.—Information de-  
17 scribed in clause (i) of subparagraph (B)  
18 shall be subject to the limitations con-  
19 tained in section 716 of title 31, United  
20 States Code.

21 (ii) PROHIBITION ON FURTHER DIS-  
22 CLOSURE.—An officer or employee of the  
23 Government Accountability Office may not  
24 disclose, except to the Congress in accord-  
25 ance with this paragraph, any such infor-

1                   mation that is submitted on a confidential  
2                   basis or from which any individual can be  
3                   identified.

4                   (3) INFORMATION SHARING.—

5                   (A) IN GENERAL.—Any Federal official de-  
6                   scribed in section 1755(a) who obtains informa-  
7                   tion that is relevant to the enforcement of this  
8                   part, including information pertaining to any  
9                   investigation, shall furnish such information to  
10                  each appropriate department, agency, or office  
11                  with enforcement responsibilities under this sec-  
12                  tion to the extent consistent with the protection  
13                  of intelligence, counterintelligence, and law en-  
14                  forcement sources, methods, and activities.

15                  (B) EXCEPTIONS.—The provisions of this  
16                  paragraph shall not apply to information sub-  
17                  ject to the restrictions set forth in section 9 of  
18                  title 13, United States Code, and return infor-  
19                  mation, as defined in subsection (b) of section  
20                  6103 of the Internal Revenue Code of 1986 (26  
21                  U.S.C. 6103(b)), may be disclosed only as au-  
22                  thorized by that section.

23                  (C) EXCHANGE OF INFORMATION.—The  
24                  President shall ensure that the heads of depart-  
25                  ments, agencies, and offices with enforcement

1 authorities under this part, consistent with pro-  
2 tection of law enforcement and its sources and  
3 methods—

4 (i) exchange any licensing and en-  
5 forcement information with one another  
6 that is necessary to facilitate enforcement  
7 efforts under this section; and

8 (ii) consult on a regular basis with  
9 one another and with the head of other de-  
10 partments, agencies, and offices that ob-  
11 tain information subject to this paragraph,  
12 in order to facilitate the exchange of such  
13 information.

14 (D) INFORMATION SHARING WITH FED-  
15 ERAL AGENCIES.—Licensing or enforcement in-  
16 formation obtained under this part may be  
17 shared with departments, agencies, and offices  
18 that do not have enforcement authorities under  
19 this part on a case-by-case basis.

20 (i) REPORTING REQUIREMENTS.—In the administra-  
21 tion of this section, reporting requirements shall be de-  
22 signed to reduce the cost of reporting, recordkeeping, and  
23 documentation to the extent consistent with effective en-  
24 forcement and compilation of useful trade statistics. Re-  
25 porting, recordkeeping, and documentation requirements

1 shall be periodically reviewed and revised in the light of  
2 developments in the field of information technology.

3 (j) CIVIL FORFEITURE.—

4 (1) IN GENERAL.—Any property, real or per-  
5 sonal, tangible or intangible, seized under subsection  
6 (a) by designated officers or employees shall be sub-  
7 ject to forfeiture to the United States in accordance  
8 with applicable law.

9 (2) PROCEDURES.—Any seizure or forfeiture  
10 under this subsection shall be carried out in accord-  
11 ance with the procedures set forth in section 981 of  
12 title 18, United States Code.

13 (k) RULE OF CONSTRUCTION.—Nothing in this Act  
14 shall be construed to limit or otherwise affect the enforce-  
15 ment authorities of the Department of Homeland Security  
16 which may also complement those set forth herein.

17 **SEC. 1762. ADMINISTRATIVE PROCEDURE.**

18 (a) IN GENERAL.—Except as provided in section  
19 1760(c)(2) or 1774(c), the functions exercised under this  
20 part shall not be subject to sections 551, 553 through 559,  
21 and 701 through 706 of title 5, United States Code.

22 (b) ADMINISTRATIVE LAW JUDGES.—

23 (1) IN GENERAL.—The Secretary may—

1 (A) appoint administrative law judges, con-  
2 sistent with the provisions of section 3105 of  
3 title 5, United States Code; and

4 (B) designate properly appointed adminis-  
5 trative law judges from other Federal agencies  
6 who are provided to the Department of Com-  
7 merce pursuant to a legally authorized inter-  
8 agency agreement.

9 (2) LIMITATION.—An administrative law judge  
10 appointed or designated by the Secretary under  
11 paragraph (1) may preside only over proceedings of  
12 the Department of Commerce.

13 (c) AMENDMENTS TO REGULATIONS.—The President  
14 shall notify in advance the Committee on Banking, Hous-  
15 ing, and Urban Affairs of the Senate and the Committee  
16 on Foreign Affairs of the House of Representatives of any  
17 proposed amendments to the Export Administration Regu-  
18 lations with an explanation of the intent and rationale of  
19 such amendments.

20 **SEC. 1763. REVIEW OF INTERAGENCY DISPUTE RESOLU-**  
21 **TION PROCESS.**

22 (a) IN GENERAL.—The President shall review and  
23 evaluate the interagency export license referral, review,  
24 and escalation processes for dual-use items and munitions  
25 under the licensing jurisdiction of the Department of Com-

1 merce or any other Federal agency, as appropriate, to de-  
2 termine whether current practices and procedures are con-  
3 sistent with established national security and foreign pol-  
4 icy objectives.

5 (b) REPORT.—Not later than 180 days after the date  
6 of the enactment of this Act, the President shall submit  
7 to the appropriate congressional committees a report that  
8 contains the results of the review carried out under sub-  
9 section (a).

10 (c) OPERATING COMMITTEE FOR EXPORT POLICY.—  
11 In any case in which the Operating Committee for Export  
12 Policy established by Executive Order 12981 (December  
13 5, 1991; relating to Administration of Export Controls)  
14 is meeting to conduct an interagency dispute resolution  
15 relating to applications for export licenses under the Ex-  
16 port Administration Regulations, matters relating to jet  
17 engine hot section technology, commercial communication  
18 satellites, and emerging or foundational technology may  
19 be decided by majority vote.

20 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
21 DEFINED.—In this section, the term “appropriate con-  
22 gressional committees” means—

23 (1) the Committee on Armed Services and the  
24 Committee on Foreign Affairs of the House of Rep-  
25 resentatives; and

1           (2) the Committee on Armed Services and the  
2           Committee on Banking, Housing, and Urban Affairs  
3           of the Senate.

4 **SEC. 1764. CONSULTATION WITH OTHER AGENCIES ON**  
5 **COMMODITY CLASSIFICATION.**

6           Notwithstanding any other provision of law, the Sec-  
7           retary shall consult with the Secretary of Defense, the Sec-  
8           retary of State, and the Secretary of Energy, as appro-  
9           priate, regarding commodity classifications for any item  
10          the Secretary and the Secretary of Defense, the Secretary  
11          of State, and the Secretary of Energy identify and mutu-  
12          ally determine is materially significant enough to warrant  
13          interagency consultation.

14 **SEC. 1765. ANNUAL REPORT TO CONGRESS.**

15          (a) IN GENERAL.—The Secretary shall submit to  
16          Congress, by December 31 of each year, a report on the  
17          implementation of this part during the preceding fiscal  
18          year. The report shall include a review of—

19                (1) the effect of controls imposed under this  
20                part on exports, reexports, and in-country transfers  
21                of items in addressing threats to the national secu-  
22                rity or foreign policy of the United States, including  
23                a description of licensing processing times;

24                (2) the impact of such controls on the scientific  
25                and technological leadership of the United States;

1           (3) the consistency with such controls of export  
2 controls imposed by other countries;

3           (4) efforts to provide exporters with compliance  
4 assistance, including specific actions to assist small-  
5 and medium-sized businesses;

6           (5) a summary of regulatory changes from the  
7 prior fiscal year;

8           (6) a summary of export enforcement actions,  
9 including of actions taken to implement end-use  
10 monitoring of dual-use, military, and other items  
11 subject to the Export Administration Regulations;

12           (7) a summary of approved license applications  
13 to proscribed persons;

14           (8) efforts undertaken within the previous year  
15 to comply with the requirements of section 1759, in-  
16 cluding any critical technologies identified under  
17 such section and how or whether such critical tech-  
18 nologies were controlled for export; and

19           (9) a summary of industrial base assessments  
20 conducted during the previous year by the Depart-  
21 ment of Commerce, including with respect to coun-  
22 terfeit electronics, foundational technologies, and  
23 other research and analysis of critical technologies  
24 and industrial capabilities of key defense-related sec-  
25 tors.

1 (b) FORM.—The report required under subsection (a)  
2 shall be submitted in unclassified form, but may contain  
3 a classified annex.

4 **SEC. 1766. REPEAL.**

5 (a) IN GENERAL.—The Export Administration Act of  
6 1979 (50 U.S.C. 4601 et seq.) (as continued in effect pur-  
7 suant to the International Emergency Economic Powers  
8 Act (50 U.S.C. 1701 et seq.)) (other than sections 11A,  
9 11B, and 11C of such Export Administration Act of 1979)  
10 is repealed.

11 (b) IMPLEMENTATION.—The President shall imple-  
12 ment the amendment made by subsection (a) by exercising  
13 the authorities of the President under the International  
14 Emergency Economic Powers Act (50 U.S.C. 1701 et  
15 seq.).

16 **SEC. 1767. EFFECT ON OTHER ACTS.**

17 (a) IN GENERAL.—Except as otherwise provided in  
18 this part, nothing contained in this part shall be construed  
19 to modify, repeal, supersede, or otherwise affect the provi-  
20 sions of any other laws authorizing control over the export  
21 or reexport of any item.

22 (b) COORDINATION OF CONTROLS.—

23 (1) IN GENERAL.—The authority granted to the  
24 President under this part shall be exercised in such  
25 manner so as to achieve effective coordination with

1 the authority exercised under section 38 of the Arms  
2 Export Control Act (22 U.S.C. 2778) and all other  
3 export control and sanctions authorities exercised by  
4 Federal departments and agencies, particularly the  
5 Department of State, the Department of the Treas-  
6 ury, and the Department of Energy.

7 (2) SENSE OF CONGRESS.—It is the sense of  
8 Congress that in order to achieve effective coordina-  
9 tion described in paragraph (1), such Federal de-  
10 partments and agencies—

11 (A) should continuously work to create en-  
12 forceable regulations with respect to the export,  
13 reexport, and in-country transfer by United  
14 States and foreign persons of commodities, soft-  
15 ware, technology, and services to various end  
16 uses and end users for foreign policy and na-  
17 tional security reasons;

18 (B) should regularly work to reduce com-  
19 plexity in the system, including complexity  
20 caused merely by the existence of structural,  
21 definitional, and other non-policy based dif-  
22 ferences between and among different export  
23 control and sanctions systems; and

24 (C) should coordinate controls on items ex-  
25 ported, reexported, or in-country transferred in

1 connection with a foreign military sale under  
2 chapter 2 of the Arms Export Control Act (22  
3 U.S.C. 2761 et seq.) or a commercial sale  
4 under section 38 of the Arms Export Control  
5 Act to reduce as much unnecessary administra-  
6 tive burden as possible that is a result of dif-  
7 ferences between the exercise of those two au-  
8 thorities.

9 (c) NONPROLIFERATION CONTROLS.—Nothing in  
10 this part shall be construed to supersede the procedures  
11 published by the President pursuant to section 309(c) of  
12 the Nuclear Non-Proliferation Act of 1978.

13 **SEC. 1768. TRANSITION PROVISIONS.**

14 (a) IN GENERAL.—All delegations, rules, regulations,  
15 orders, determinations, licenses, or other forms of admin-  
16 istrative action that have been made, issued, conducted,  
17 or allowed to become effective under the Export Adminis-  
18 tration Act of 1979 (50 U.S.C. 4601 et seq.) (as in effect  
19 on the day before the date of the enactment of this Act  
20 and as continued in effect pursuant to the International  
21 Emergency Economic Powers Act (50 U.S.C. 1701 et  
22 seq.)), or the Export Administration Regulations, and are  
23 in effect as of the date of the enactment of this Act, shall  
24 continue in effect according to their terms until modified,

1 superseded, set aside, or revoked under the authority of  
2 this part.

3 (b) ADMINISTRATIVE AND JUDICIAL PRO-  
4 CEEDINGS.—This part shall not affect any administrative  
5 or judicial proceedings commenced, or any applications for  
6 licenses made, under the Export Administration Act of  
7 1979 (as in effect on the day before the date of the enact-  
8 ment of this Act and as continued in effect pursuant to  
9 the International Emergency Economic Powers Act), or  
10 the Export Administration Regulations.

11 (c) CERTAIN DETERMINATIONS AND REFERENCES.—

12 (1) STATE SPONSORS OF TERRORISM.—Any de-  
13 termination that was made under section 6(j) of the  
14 Export Administration Act of 1979 (as in effect on  
15 the day before the date of the enactment of this Act  
16 and as continued in effect pursuant to the Inter-  
17 national Emergency Economic Powers Act) shall  
18 continue in effect as if the determination had been  
19 made under section 1754(c).

20 (2) REFERENCE.—Any reference in any other  
21 provision of law to a country the government of  
22 which the Secretary of State has determined, for  
23 purposes of section 6(j) of the Export Administra-  
24 tion Act of 1979 (as in effect on the day before the  
25 date of the enactment of this Act and as continued

1 in effect pursuant to the International Emergency  
2 Economic Powers Act), is a government that has re-  
3 peatedly provided support for acts of international  
4 terrorism shall be deemed to refer to a country the  
5 government of which the Secretary of State has de-  
6 termined, for purposes of section 1754(c), is a gov-  
7 ernment that has repeatedly provided support for  
8 acts of international terrorism.

9 **PART II—ANTI-BOYCOTT ACT OF 2018**

10 **SEC. 1771. SHORT TITLE.**

11 This part may be cited as the “Anti-Boycott Act of  
12 2018”.

13 **SEC. 1772. STATEMENT OF POLICY.**

14 Congress declares it is the policy of the United  
15 States—

16 (1) to oppose restrictive trade practices or boy-  
17 cotts fostered or imposed by any foreign country  
18 against other countries friendly to the United States  
19 or against any United States person;

20 (2) to encourage and, in specified cases, require  
21 United States persons engaged in the export of  
22 goods or technology or other information to refuse to  
23 take actions, including furnishing information or en-  
24 tering into or implementing agreements, which have  
25 the effect of furthering or supporting the restrictive

1 trade practices or boycotts fostered or imposed by  
2 any foreign country against a country friendly to the  
3 United States or any United States person; and

4 (3) to foster international cooperation and the  
5 development of international rules and institutions  
6 to assure reasonable access to world supplies.

7 **SEC. 1773. FOREIGN BOYCOTTS.**

8 (a) PROHIBITIONS AND EXCEPTIONS.—

9 (1) PROHIBITIONS.—For the purpose of imple-  
10 menting the policies set forth in section 1772, the  
11 President shall issue regulations prohibiting any  
12 United States person, with respect to that person's  
13 activities in the interstate or foreign commerce of  
14 the United States, from taking or knowingly agree-  
15 ing to take any of the following actions with intent  
16 to comply with, further, or support any boycott fos-  
17 tered or imposed by any foreign country, against a  
18 country which is friendly to the United States and  
19 which is not itself the object of any form of boycott  
20 pursuant to United States law or regulation:

21 (A) Refusing, or requiring any other per-  
22 son to refuse, to do business with or in the boy-  
23 cotted country, with any business concern orga-  
24 nized under the laws of the boycotted country,  
25 with any national or resident of the boycotted

1 country, or with any other person, pursuant to  
2 an agreement with, a requirement of, or a re-  
3 quest from or on behalf of the boycotting coun-  
4 try. The mere absence of a business relationship  
5 with or in the boycotted country with any busi-  
6 ness concern organized under the laws of the  
7 boycotted country, with any national or resident  
8 of the boycotted country, or with any other per-  
9 son, does not indicate the existence of the in-  
10 tent required to establish a violation of regula-  
11 tions issued to carry out this subparagraph.

12 (B) Refusing, or requiring any other per-  
13 son to refuse, to employ or otherwise discrimi-  
14 nating against any United States person on the  
15 basis of race, religion, sex, or national origin of  
16 that person or of any owner, officer, director, or  
17 employee of such person.

18 (C) Furnishing information with respect to  
19 the race, religion, sex, or national origin of any  
20 United States person or of any owner, officer,  
21 director, or employee of such person.

22 (D) Furnishing information about whether  
23 any person has, has had, or proposes to have  
24 any business relationship (including a relation-  
25 ship by way of sale, purchase, legal or commer-

1           cial representation, shipping or other transport,  
2           insurance, investment, or supply) with or in the  
3           boycotted country, with any business concern  
4           organized under the laws of the boycotted coun-  
5           try, with any national or resident of the boy-  
6           cotted country, or with any other person which  
7           is known or believed to be restricted from hav-  
8           ing any business relationship with or in the boy-  
9           cotted country. Nothing in this subparagraph  
10          shall prohibit the furnishing of normal business  
11          information in a commercial context as defined  
12          by the Secretary.

13                 (E) Furnishing information about whether  
14                 any person is a member of, has made contribu-  
15                 tions to, or is otherwise associated with or in-  
16                 volved in the activities of any charitable or fra-  
17                 ternal organization which supports the boy-  
18                 cotted country.

19                 (F) Paying, honoring, confirming, or other-  
20                 wise implementing a letter of credit which con-  
21                 tains any condition or requirement compliance  
22                 with which is prohibited by regulations issued  
23                 pursuant to this paragraph, and no United  
24                 States person shall, as a result of the applica-  
25                 tion of this paragraph, be obligated to pay or

1 otherwise honor or implement such letter of  
2 credit.

3 (2) EXCEPTIONS.—Regulations issued pursuant  
4 to paragraph (1) shall provide exceptions for—

5 (A) complying or agreeing to comply with  
6 requirements—

7 (i) prohibiting the import of goods or  
8 services from the boycotted country or  
9 goods produced or services provided by any  
10 business concern organized under the laws  
11 of the boycotted country or by nationals or  
12 residents of the boycotted country; or

13 (ii) prohibiting the shipment of goods  
14 to the boycotting country on a carrier of  
15 the boycotted country, or by a route other  
16 than that prescribed by the boycotting  
17 country or the recipient of the shipment;

18 (B) complying or agreeing to comply with  
19 import and shipping document requirements  
20 with respect to the country of origin, the name  
21 of the carrier and route of shipment, the name  
22 of the supplier of the shipment or the name of  
23 the provider of other services, except that no in-  
24 formation knowingly furnished or conveyed in  
25 response to such requirements may be stated in

1 negative, blacklisting, or similar exclusionary  
2 terms, other than with respect to carriers or  
3 route of shipment as may be permitted by such  
4 regulations in order to comply with pre-  
5 cautionary requirements protecting against war  
6 risks and confiscation;

7 (C) complying or agreeing to comply in the  
8 normal course of business with the unilateral  
9 and specific selection by a boycotting country,  
10 or national or resident thereof, of carriers, in-  
11 surers, suppliers of services to be performed  
12 within the boycotting country or specific goods  
13 which, in the normal course of business, are  
14 identifiable by source when imported into the  
15 boycotting country;

16 (D) complying or agreeing to comply with  
17 export requirements of the boycotting country  
18 relating to shipments or transshipments of ex-  
19 ports to the boycotted country, to any business  
20 concern of or organized under the laws of the  
21 boycotted country, or to any national or resi-  
22 dent of the boycotted country;

23 (E) compliance by an individual or agree-  
24 ment by an individual to comply with the immi-  
25 gration or passport requirements of any country

1 with respect to such individual or any member  
2 of such individual's family or with requests for  
3 information regarding requirements of employ-  
4 ment of such individual within the boycotting  
5 country; and

6 (F) compliance by a United States person  
7 resident in a foreign country or agreement by  
8 such person to comply with the laws of that  
9 country with respect to his activities exclusively  
10 therein, and such regulations may contain ex-  
11 ceptions for such resident complying with the  
12 laws or regulations of that foreign country gov-  
13 erning imports into such country of  
14 trademarked, trade named, or similarly specifi-  
15 cally identifiable products, or components of  
16 products for his own use, including the per-  
17 formance of contractual services within that  
18 country, as may be defined by such regulations.

19 (3) SPECIAL RULES.—Regulations issued pur-  
20 suant to paragraphs (2)(C) and (2)(F) shall not pro-  
21 vide exceptions from paragraphs (1)(B) and (1)(C).

22 (4) RULE OF CONSTRUCTION.—Nothing in this  
23 subsection may be construed to supersede or limit  
24 the operation of the antitrust or civil rights laws of  
25 the United States.

1           (5) APPLICATION.—This section shall apply to  
2           any transaction or activity undertaken, by or  
3           through a United States person or any other person,  
4           with intent to evade the provisions of this section as  
5           implemented by the regulations issued pursuant to  
6           this subsection, and such regulations shall expressly  
7           provide that the exceptions set forth in paragraph  
8           (2) shall not permit activities or agreements (ex-  
9           pressed or implied by a course of conduct, including  
10          a pattern of responses) otherwise prohibited, which  
11          are not within the intent of such exceptions.

12          (b) FOREIGN POLICY CONTROLS.—

13           (1) IN GENERAL.—In addition to the regula-  
14          tions issued pursuant to subsection (a), regulations  
15          issued under part I to carry out the policies set forth  
16          in section 1752(1)(D) shall implement the policies  
17          set forth in this section.

18           (2) REQUIREMENTS.—Such regulations shall  
19          require that any United States person receiving a re-  
20          quest for the furnishing of information, the entering  
21          into or implementing of agreements, or the taking of  
22          any other action referred to in subsection (a) shall  
23          report that fact to the Secretary, together with such  
24          other information concerning such request as the  
25          Secretary may require for such action as the Sec-

1       retary considers appropriate for carrying out the  
2       policies of that section. Such person shall also report  
3       to the Secretary whether such person intends to  
4       comply and whether such person has complied with  
5       such request. Any report filed pursuant to this para-  
6       graph shall be made available promptly for public in-  
7       spection and copying, except that information re-  
8       garding the quantity, description, and value of any  
9       goods or technology to which such report relates  
10      may be kept confidential if the Secretary determines  
11      that disclosure thereof would place the United States  
12      person involved at a competitive disadvantage. The  
13      Secretary shall periodically transmit summaries of  
14      the information contained in such reports to the Sec-  
15      retary of State for such action as the Secretary of  
16      State, in consultation with the Secretary, considers  
17      appropriate for carrying out the policies set forth in  
18      section 1772.

19      (c) PREEMPTION.—The provisions of this section and  
20      the regulations issued pursuant thereto shall preempt any  
21      law, rule, or regulation of any of the several States or the  
22      District of Columbia, or any of the territories or posses-  
23      sions of the United States, or of any governmental subdivi-  
24      sion thereof, which law, rule, or regulation pertains to par-  
25      ticipation in, compliance with, implementation of, or the

1 furnishing of information regarding restrictive trade prac-  
2 tices or boycotts fostered or imposed by foreign countries  
3 against other countries friendly to the United States.

4 **SEC. 1774. ENFORCEMENT.**

5 (a) **CRIMINAL PENALTY.**—A person who willfully  
6 commits, willfully attempts to commit, or willfully con-  
7 spires to commit, or aids or abets in the commission of,  
8 an unlawful act section 1773—

9 (1) shall, upon conviction, be fined not more  
10 than \$1,000,000; or

11 (2) if a natural person, may be imprisoned for  
12 not more than 20 years, or both.

13 (b) **CIVIL PENALTIES.**—The President may impose  
14 the following civil penalties on a person who violates sec-  
15 tion 1773 or any regulation issued under this part:

16 (1) A fine of not more than \$300,000 or an  
17 amount that is twice the value of the transaction  
18 that is the basis of the violation with respect to  
19 which the penalty is imposed, whichever is greater.

20 (2) Revocation of a license issued under part I  
21 to the person.

22 (3) A prohibition on the person's ability to ex-  
23 port, reexport, or in-country transfer any items con-  
24 trolled under part I.

1 (c) PROCEDURES.—Any civil penalty or administra-  
2 tive sanction (including any suspension or revocation of  
3 authority to export) under this section may be imposed  
4 only after notice and opportunity for an agency hearing  
5 on the record in accordance with sections 554 through 557  
6 of title 5, United States Code, and shall be subject to judi-  
7 cial review in accordance with chapter 7 of such title.

8 (d) STANDARDS FOR LEVELS OF CIVIL PENALTY.—  
9 The President may by regulation provide standards for es-  
10 tablishing levels of civil penalty under this section based  
11 upon factors such as the seriousness of the violation, the  
12 culpability of the violator, and the violator’s record of co-  
13 operation with the Government in disclosing the violation.

### 14 **PART III—ADMINISTRATIVE AUTHORITIES**

#### 15 **SEC. 1781. UNDER SECRETARY OF COMMERCE FOR INDUS-** 16 **TRY AND SECURITY.**

17 (a) IN GENERAL.—On and after the date of the en-  
18 actment of this Act, any reference in any law or regulation  
19 to the Under Secretary of Commerce for Export Adminis-  
20 tration shall be deemed to be a reference to the Under  
21 Secretary of Commerce for Industry and Security.

22 (b) TITLE 5.—Section 5314 of title 5, United States  
23 Code, is amended by striking “Under Secretary of Com-  
24 merce for Export Administration” and inserting “Under  
25 Secretary of Commerce for Industry and Security”.

1 (c) CONTINUATION IN OFFICE.—The individual serv-  
2 ing as Under Secretary of Commerce for Export Adminis-  
3 tration on the day before the date of the enactment of  
4 this Act may serve as the Under Secretary of Commerce  
5 for Industry and Security on and after that date without  
6 the need for renomination or reappointment.

## 7 **Subtitle C—Miscellaneous**

### 8 **SEC. 1791. EXTENSION OF AUTHORITY.**

9 Section 717(a) of the Defense Production Act of  
10 1950 (50 U.S.C. 4564(a)) is amended by striking “Sep-  
11 tember 30, 2019” and inserting “September 30, 2025”.

### 12 **SEC. 1792. LIMITATION ON CANCELLATION OF DESIGNA-** 13 **TION OF SECRETARY OF THE AIR FORCE AS** 14 **DEPARTMENT OF DEFENSE EXECUTIVE** 15 **AGENT FOR A CERTAIN DEFENSE PRODUC-** 16 **TION ACT PROGRAM.**

17 (a) LIMITATION ON CANCELLATION OF DESIGNA-  
18 TION.—The Secretary of Defense may not implement the  
19 decision, issued on July 1, 2017, to cancel the designation,  
20 under Department of Defense Directive 4400.01E, enti-  
21 tled “Defense Production Act Programs” and dated Octo-  
22 ber 12, 2001, of the Secretary of the Air Force as the  
23 Department of Defense Executive Agent for the program  
24 carried out under title III of the Defense Production Act

1 of 1950 (50 U.S.C. 4531 et seq.) until the date specified  
2 in subsection (c).

3 (b) DESIGNATION.—The Secretary of the Air Force  
4 shall continue to serve as the sole and exclusive Depart-  
5 ment of Defense Executive Agent for the program de-  
6 scribed in subsection (a) until the date specified in sub-  
7 section (c).

8 (c) DATE SPECIFIED.—The date specified in this  
9 subsection is the date of the enactment of a joint resolu-  
10 tion or an Act approving the implementation of the deci-  
11 sion described in subsection (a).

12 **SEC. 1793. REVIEW OF AND REPORT ON CERTAIN DEFENSE**  
13 **TECHNOLOGIES CRITICAL TO THE UNITED**  
14 **STATES MAINTAINING SUPERIOR MILITARY**  
15 **CAPABILITIES.**

16 (a) REVIEW REQUIRED.—Not later than 180 days  
17 after the date of the enactment of this Act, the Secretary  
18 of Defense and the Director of National Intelligence, in  
19 consultation with the Air Force Research Laboratory, the  
20 Defense Advanced Projects Research Agency, and such  
21 other appropriate research entities as the Secretary and  
22 the Director may identify, shall—

23 (1) jointly carry out and complete a review of  
24 key national security technology capability advan-

1 tages, competitions, and gaps between the United  
2 States and “near peer” nations;

3 (2) develop a definition of “near peer nation”  
4 for purposes of paragraph (1); and

5 (3) submit to the appropriate congressional  
6 committees a report on the findings of the Secretary  
7 and the Director with respect to the review con-  
8 ducted under paragraph (1).

9 (b) ELEMENTS.—The review conducted under para-  
10 graph (1) of subsection (a), and the report required by  
11 paragraph (3) of that subsection, shall identify, at a min-  
12 imum, the following:

13 (1) Key United States industries and research  
14 and development activities expected to be critical to  
15 maintaining a national security technology capability  
16 if, during the 5-year period beginning on the date of  
17 the enactment of this Act, the Secretary and the Di-  
18 rector anticipate that—

19 (A) a United States industrial base short-  
20 fall will exist; and

21 (B) United States industry will be unable  
22 to or otherwise will not provide the needed ca-  
23 pacity in a timely manner without financial as-  
24 sistance from the United States Government  
25 through existing statutory authorities specifi-

1 cally intended for that purpose, including as-  
2 sistance provided under title III of the Defense  
3 Production Act of 1950 (50 U.S.C. 4531 et  
4 seq.) and other appropriate authorities.

5 (2) Key areas in which the United States cur-  
6 rently enjoys a technological advantage.

7 (3) Key areas in which the United States no  
8 longer enjoys a technological advantage.

9 (4) Sectors of the defense industrial base in  
10 which the United States lacks adequate productive  
11 capacity to meet critical national defense needs.

12 (5) Priority areas for which appropriate statu-  
13 tory industrial base incentives should be applied as  
14 the most cost-effective, expedient, and practical al-  
15 ternative for meeting the technology or defense in-  
16 dustrial base needs identified under this subsection,  
17 including—

18 (A) sustainment of critical production and  
19 supply chain capabilities;

20 (B) commercialization of research and de-  
21 velopment investments;

22 (C) scaling of emerging technologies; and

23 (D) other areas as determined by the Sec-  
24 retary and the Director.

1 (6) Priority funding recommendations with re-  
2 spect to key areas that the Secretary, in consultation  
3 with the Director, determines are—

4 (A) critical to the United States maintain-  
5 ing superior military capabilities, especially with  
6 respect to potential peer and near peer military  
7 or economic competitors, during the 5-year pe-  
8 riod beginning on the date of the enactment of  
9 this Act; and

10 (B) suitable for long-term investment from  
11 funds made available under title III of the De-  
12 fense Production Act of 1950 and other appro-  
13 priate statutory authorities.

14 (c) FORM OF REPORT.—The report required by sub-  
15 section (a)(3) shall be submitted in unclassified form, but  
16 may include a classified annex.

17 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
18 DEFINED.—In this section, the term “appropriate con-  
19 gressional committees” means—

20 (1) the Committee on Banking, Housing and  
21 Urban Affairs, the Committee on Armed Services,  
22 and the Select Committee on Intelligence of the Sen-  
23 ate; and

24 (2) the Committee on Financial Services, the  
25 Committee on Armed Services, and the Permanent

1 Select Committee on Intelligence of the House of  
2 Representatives.

3 **DIVISION B—MILITARY CON-**  
4 **STRUCTION AUTHORIZA-**  
5 **TIONS**

6 **SEC. 2001. SHORT TITLE.**

7 This division may be cited as the “Military Construc-  
8 tion Authorization Act for Fiscal Year 2019”.

9 **SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND**  
10 **AMOUNTS REQUIRED TO BE SPECIFIED BY**  
11 **LAW.**

12 (a) EXPIRATION OF AUTHORIZATIONS AFTER FIVE  
13 YEARS.—Except as provided in subsection (b), all author-  
14 izations contained in titles XXI through XXVII and title  
15 XXIX for military construction projects, land acquisition,  
16 family housing projects and facilities, and contributions to  
17 the North Atlantic Treaty Organization Security Invest-  
18 ment Program (and authorizations of appropriations  
19 therefor) shall expire on the later of—

20 (1) October 1, 2023; or

21 (2) the date of the enactment of an Act author-  
22 izing funds for military construction for fiscal year  
23 2024.

24 (b) EXCEPTION.—Subsection (a) shall not apply to  
25 authorizations for military construction projects, land ac-

1 quision, family housing projects and facilities, and con-  
2 tributions to the North Atlantic Treaty Organization Se-  
3 curity Investment Program (and authorizations of appro-  
4 priations therefor), for which appropriated funds have  
5 been obligated before the later of—

6 (1) October 1, 2023; or

7 (2) the date of the enactment of an Act author-  
8 izing funds for fiscal year 2024 for military con-  
9 struction projects, land acquisition, family housing  
10 projects and facilities, or contributions to the North  
11 Atlantic Treaty Organization Security Investment  
12 Program.

13 **SEC. 2003. EFFECTIVE DATE.**

14 Titles XXI through XXVII and title XXIX shall take  
15 effect on the later of—

16 (1) October 1, 2018; or

17 (2) the date of the enactment of this Act.

18 **TITLE XXI—ARMY MILITARY**  
19 **CONSTRUCTION**

Sec. 2101. Authorized Army construction and land acquisition projects.

Sec. 2102. Family housing.

Sec. 2103. Authorization of appropriations, Army.

Sec. 2104. Extension of authorizations of certain fiscal year 2015 projects.

Sec. 2105. Extension of authorizations of certain fiscal year 2016 project.

20 **SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND**  
21 **ACQUISITION PROJECTS.**

22 (a) **INSIDE THE UNITED STATES.**—Using amounts  
23 appropriated pursuant to the authorization of appropria-

1 tions in section 2103(a) and available for military con-  
 2 struction projects inside the United States as specified in  
 3 the funding table in section 4601, the Secretary of the  
 4 Army may acquire real property and carry out military  
 5 construction projects for the installations or locations in-  
 6 side the United States, and in the amounts, set forth in  
 7 the following table:

**Army: Inside the United States**

State	Installation	Amount
Alabama .....	Anniston Army Depot .....	\$5,200,000
California .....	Fort Irwin .....	\$29,000,000
Colorado .....	Fort Carson .....	\$77,000,000
Georgia .....	Fort Gordon .....	\$99,000,000
Hawaii .....	Wheeler Army Airfield .....	\$50,000,000
Indiana .....	Crane Army Ammunition Plant .....	\$16,000,000
Kentucky .....	Fort Campbell .....	\$50,000,000
	Fort Knox .....	\$26,000,000
Maryland .....	Fort Meade .....	\$16,500,000
New Jersey .....	Picatinny Arsenal .....	\$41,000,000
New Mexico .....	White Sands Missile Range .....	\$40,000,000
New York .....	U.S. Military Academy .....	\$160,000,000
North Carolina .....	Fort Bragg .....	\$10,000,000
South Carolina .....	Fort Jackson .....	\$52,000,000
Texas .....	Fort Bliss .....	\$24,000,000
	Fort Hood .....	\$9,600,000

8 (b) OUTSIDE THE UNITED STATES.—Using amounts  
 9 appropriated pursuant to the authorization of appropria-  
 10 tions in section 2103(a) and available for military con-  
 11 struction projects outside the United States as specified  
 12 in the funding table in section 4601, the Secretary of the  
 13 Army may acquire real property and carry out the military  
 14 construction project for the installations or locations out-  
 15 side the United States, and in the amount, set forth in  
 16 the following table:

**Army: Outside the United States**

<b>Country</b>	<b>Installation</b>	<b>Amount</b>
Germany .....	East Camp Grafenwoehr .....	\$31,000,000
Honduras .....	Soto Cano Air Base .....	\$21,000,000
Korea .....	Camp Tango .....	\$17,500,000
Kuwait .....	Camp Arifjan .....	\$44,000,000

**1 SEC. 2102. FAMILY HOUSING.**

2 (a) CONSTRUCTION AND ACQUISITION.—Using  
3 amounts appropriated pursuant to the authorization of ap-  
4 propriations in section 2103(a) and available for military  
5 family housing functions as specified in the funding table  
6 in section 4601, the Secretary of the Army may construct  
7 or acquire family housing units (including land acquisition  
8 and supporting facilities) at the installations or locations,  
9 in the number of units, and in the amounts set forth in  
10 the following table:

**Army: Family Housing**

<b>State/Country</b>	<b>Installation</b>	<b>Units</b>	<b>Amount</b>
Puerto Rico .....	Fort Buchanan .....	Family Housing Re- placement Con- struction .....	\$26,000,000
Wisconsin .....	Fort McCoy .....	Family Housing New Construction .....	\$6,200,000
Italy .....	Vicenza .....	Family Housing New Construction .....	\$95,134,000
Korea .....	Camp Walker .....	Family Housing Re- placement Con- struction .....	\$68,000,000

11 (b) PLANNING AND DESIGN.—Using amounts appro-  
12 priated pursuant to the authorization of appropriations in  
13 section 2103(a) and available for military family housing  
14 functions as specified in the funding table in section 4601,  
15 the Secretary of the Army may carry out architectural and  
16 engineering services and construction design activities

1 with respect to the construction or improvement of family  
2 housing units in an amount not to exceed \$18,326,000.

3 **SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.**

4 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
5 are hereby authorized to be appropriated for fiscal years  
6 beginning after September 30, 2018, for military con-  
7 struction, land acquisition, and military family housing  
8 functions of the Department of the Army as specified in  
9 the funding table in section 4601.

10 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION  
11 PROJECTS.—Notwithstanding the cost variations author-  
12 ized by section 2853 of title 10, United States Code, and  
13 any other cost variation authorized by law, the total cost  
14 of all projects carried out under section 2101 of this Act  
15 may not exceed the total amount authorized to be appro-  
16 priated under subsection (a), as specified in the funding  
17 table in section 4601.

18 **SEC. 2104. EXTENSION OF AUTHORIZATIONS OF CERTAIN**  
19 **FISCAL YEAR 2015 PROJECTS.**

20 (a) EXTENSION.—Notwithstanding section 2002 of  
21 the Military Construction Authorization Act for Fiscal  
22 Year 2015 (division B of Public Law 113–291; 128 Stat.  
23 3669), the authorizations set forth in the table in sub-  
24 section (b), as provided in section 2101 of that Act (128  
25 Stat. 3670), shall remain in effect until October 1, 2019,

1 or the date of the enactment of an Act authorizing funds  
 2 for military construction for fiscal year 2020, whichever  
 3 is later.

4 (b) TABLE.—The table referred to in subsection (a)  
 5 is as follows:

**Army: Extension of 2015 Project Authorization**

State/Country	Installation	Project	Amount
California .....	Military Ocean Ter- minal, Concord.	Access Control Point	\$9,900,000
Japan .....	Kadena Air Base .....	Missile Magazine .....	\$10,600,000

6 **SEC. 2105. EXTENSION OF AUTHORIZATIONS OF CERTAIN**  
 7 **FISCAL YEAR 2016 PROJECT.**

8 (a) EXTENSION.—Notwithstanding section 2002 of  
 9 the Military Construction Authorization Act for Fiscal  
 10 Year 2016 (division B of Public Law 114–92; 129 Stat.  
 11 1145) the authorization set forth in the table in subsection  
 12 (b), as provided in section 2101 of that Act (129 Stat.  
 13 1146), shall remain in effect until October 1, 2023, or the  
 14 date of the enactment of an Act authorizing funds for mili-  
 15 tary construction for fiscal year 2024, whichever is later.

16 (b) TABLE.—The table referred to in subsection (a)  
 17 is as follows:

**Army: Extension of 2016 Project Authorization**

Virginia .....	Arlington National Cemetery (DAR) ..	\$60,000,000
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18 **TITLE XXII—NAVY MILITARY**  
 19 **CONSTRUCTION**

Sec. 2201. Authorized Navy construction and land acquisition projects.  
 Sec. 2202. Family housing.

Sec. 2203. Improvements to military family housing units.

Sec. 2204. Authorization of appropriations, Navy.

**1 SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND**  
**2 ACQUISITION PROJECTS.**

3 (a) INSIDE THE UNITED STATES.—Using amounts  
 4 appropriated pursuant to the authorization of appropria-  
 5 tions in section 2204(a) and available for military con-  
 6 struction projects inside the United States as specified in  
 7 the funding table in section 4601, the Secretary of the  
 8 Navy may acquire real property and carry out military  
 9 construction projects for the installations or locations in-  
 10 side the United States, and in the amounts, set forth in  
 11 the following table:

**Navy: Inside the United States**

State	Installation or Location	Amount
Arizona .....	Camp Navajo .....	\$14,800,000
California .....	Marine Corps Base Camp Pendleton .....	\$127,930,000
	Marine Corps Air Station Miramar .....	\$31,980,000
	Naval Air Station Lemoore .....	\$127,590,000
	Naval Base Coronado .....	\$77,780,000
	Naval Base San Diego .....	\$176,040,000
	Naval Base Ventura .....	\$53,160,000
	Naval Weapons Station Seal Beach .....	\$139,630,000
District of Columbia ..	Naval Observatory .....	\$115,600,000
Florida .....	Naval Air Station Whiting Field .....	\$10,000,000
	Naval Station Mayport .....	\$111,460,000
Georgia .....	Marine Corps Logistics Base Albany .....	\$31,900,000
Guam .....	Joint Region Marianas .....	\$279,657,000
	Naval Base Guam .....	\$75,600,000
Hawaii .....	Joint Base Pearl Harbor-Hickam .....	\$123,320,000
	Marine Corps Base Hawaii .....	\$66,100,000
Maine .....	Portsmouth Naval Yard .....	\$149,685,000
Mississippi .....	Naval Construction Battalion Center .....	\$22,300,000
North Carolina .....	Marine Corps Base Camp Lejeune .....	\$51,300,000
	Marine Corps Air Station Cherry Point .....	\$240,830,000
Pennsylvania .....	Naval Support Activity Philadelphia .....	\$71,050,000
South Carolina .....	Marine Corps Air Station Beaufort .....	\$15,817,000
	Marine Corps Recruit Depot, Parris Island	\$35,190,000
Utah .....	Hill Air Force Base .....	\$105,520,000
Virginia .....	Marine Corps Base Quantico .....	\$13,100,000
	Portsmouth .....	\$26,120,000
Washington .....	Bangor .....	\$88,960,000
	Naval Air Station Whidbey Island .....	\$27,380,000

1 (b) OUTSIDE THE UNITED STATES.—Using amounts  
 2 appropriated pursuant to the authorization of appropria-  
 3 tions in section 2204(a) and available for military con-  
 4 struction projects outside the United States as specified  
 5 in the funding table in section 4601, the Secretary of the  
 6 Navy may acquire real property and carry out military  
 7 construction projects for the installation or location out-  
 8 side the United States, and in the amounts, set forth in  
 9 the following table:

**Navy: Outside the United States**

Country	Installation or Location	Amount
Bahamas .....	Andros Island .....	\$31,050,000
Bahrain .....	SW Asia .....	\$26,340,000
Cuba .....	Naval Station Guantanamo Bay .....	\$104,700,000
Germany .....	Panzer Kaserne .....	\$43,950,000
Japan .....	Kadena Air Base .....	\$9,049,000

10 **SEC. 2202. FAMILY HOUSING.**

11 (a) CONSTRUCTION AND ACQUISITION.—Using  
 12 amounts appropriated pursuant to the authorization of ap-  
 13 propriations in section 2204(a) and available for military  
 14 family housing functions as specified in the funding table  
 15 in section 4601, the Secretary of the Navy may construct  
 16 or acquire family housing units (including land acquisition  
 17 and supporting facilities) at the installations or locations,  
 18 in the number of units, and in the amounts set forth in  
 19 the following table:

**Navy: Family Housing**

<b>Country</b>	<b>Installation</b>	<b>Units</b>	<b>Amount</b>
Guam .....	Joint Region Marianas .....	Replace Andersen Housing PH III ...	\$83,441,000

1 (b) PLANNING AND DESIGN.—Using amounts appro-  
2 priated pursuant to the authorization of appropriations in  
3 section 2204(a) and available for military family housing  
4 functions as specified in the funding table in section 4601,  
5 the Secretary of the Navy may carry out architectural and  
6 engineering services and construction design activities  
7 with respect to the construction or improvement of family  
8 housing units in an amount not to exceed \$4,502,000.

9 **SEC. 2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING**  
10 **UNITS.**

11 Subject to section 2825 of title 10, United States  
12 Code, and using amounts appropriated pursuant to the  
13 authorization of appropriations in section 2204(a) and  
14 available for military family housing functions as specified  
15 in the funding table in section 4601, the Secretary of the  
16 Navy may improve existing military family housing units  
17 in an amount not to exceed \$16,638,000.

18 **SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.**

19 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
20 are hereby authorized to be appropriated for fiscal years  
21 beginning after September 30, 2018, for military con-  
22 struction, land acquisition, and military family housing

1 functions of the Department of the Navy, as specified in  
2 the funding table in section 4601.

3 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**  
4 **PROJECTS.**—Notwithstanding the cost variations author-  
5 ized by section 2853 of title 10, United States Code, and  
6 any other cost variation authorized by law, the total cost  
7 of all projects carried out under section 2201 of this Act  
8 may not exceed the total amount authorized to be appro-  
9 priated under subsection (a), as specified in the funding  
10 table in section 4601.

11 **TITLE XXIII—AIR FORCE**  
12 **MILITARY CONSTRUCTION**

Sec. 2301. Authorized Air Force construction and land acquisition projects.

Sec. 2302. Family housing.

Sec. 2303. Improvements to military family housing units.

Sec. 2304. Authorization of appropriations, Air Force.

Sec. 2305. Modification of authority to carry out certain phased project author-  
ized in fiscal years 2015, 2016, and 2017.

Sec. 2306. Modification of authority to carry out certain fiscal year 2017  
project.

Sec. 2307. Modification of authority to carry out certain fiscal year 2018  
project.

Sec. 2308. Additional authority to carry out certain fiscal year 2019 projects.

Sec. 2309. Additional authority to carry out project at Travis Air Force Base,  
California, in fiscal year 2019.

13 **SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND**  
14 **LAND ACQUISITION PROJECTS.**

15 (a) **INSIDE THE UNITED STATES.**—Using amounts  
16 appropriated pursuant to the authorization of appropria-  
17 tions in section 2304(a) and available for military con-  
18 struction projects inside the United States as specified in  
19 the funding table in section 4601, the Secretary of the

1 Air Force may acquire real property and carry out mili-  
 2 tary construction projects for the installations or locations  
 3 inside the United States, and in the amounts, set forth  
 4 in the following table:

**Air Force: Inside the United States**

State	Installation or Location	Amount
Alaska .....	Eielson Air Force Base .....	\$63,800,000
Arizona .....	Davis-Monthan Air Force Base	\$15,000,000
	Luke Air Force Base .....	\$40,000,000
Florida .....	Eglin Air Force Base .....	\$62,863,000
	MacDill Air Force Base .....	\$3,100,000
	Patrick Air Force Base .....	\$9,000,000
Guam .....	Joint Region Marianas .....	\$9,800,000
Louisiana .....	Barksdale Air Force Base .....	\$12,250,000
Mariana Islands .....	Timian .....	\$50,700,000
Maryland .....	Joint Base Andrews .....	\$58,000,000
Massachusetts .....	Hanscom Air Force Base .....	\$225,000,000
Nebraska .....	Offutt Air Force Base .....	\$9,500,000
Nevada .....	Creech Air Force Base .....	\$59,000,000
	Nellis Air Force Base .....	\$5,900,000
New Mexico .....	Holloman Air Force Base .....	\$85,000,000
	Kirtland Air Force Base .....	\$7,000,000
New York .....	Rome Lab .....	\$14,200,000
North Dakota .....	Minot Air Force Base .....	\$66,000,000
Ohio .....	Wright-Patterson Air Force Base.	\$182,000,000
Oklahoma .....	Altus Air Force Base .....	\$12,000,000
	Tinker Air Force Base .....	\$166,000,000
South Carolina .....	Shaw Air Force Base .....	\$53,000,000
Utah .....	Hill Air Force Base .....	\$26,000,000
Washington .....	Fairechild-White Bluff .....	\$14,000,000

5 (b) OUTSIDE THE UNITED STATES.—Using amounts  
 6 appropriated pursuant to the authorization of appropria-  
 7 tions in section 2304(a) and available for military con-  
 8 struction projects outside the United States as specified  
 9 in the funding table in section 4601, the Secretary of the  
 10 Air Force may acquire real property and carry out mili-  
 11 tary construction projects for the installation or location  
 12 outside the United States, and in the amount, set forth  
 13 in the following table:



1 beginning after September 30, 2018, for military con-  
2 struction, land acquisition, and military family housing  
3 functions of the Department of the Air Force, as specified  
4 in the funding table in section 4601.

5 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION  
6 PROJECTS.—Notwithstanding the cost variations author-  
7 ized by section 2853 of title 10, United States Code, and  
8 any other cost variation authorized by law, the total cost  
9 of all projects carried out under section 2301 of this Act  
10 may not exceed the total amount authorized to be appro-  
11 priated under subsection (a), as specified in the funding  
12 table in section 4601.

13 **SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT**  
14 **CERTAIN PHASED PROJECT AUTHORIZED IN**  
15 **FISCAL YEARS 2015, 2016, AND 2017.**

16 In the case of the authorization contained in the table  
17 in section 2301(b) of the Military Construction Authoriza-  
18 tion Act for Fiscal Year 2015 (division B of Public Law  
19 113–291; 128 Stat. 3679) for Royal Air Force Croughton,  
20 for JIAC Consolidation Phase 1, the authorization con-  
21 tained in the table in section 2301(b) of the Military Con-  
22 struction Authorization Act for Fiscal Year 2016 (division  
23 B of Public Law 114–92; 129 Stat. 1153) for Croughton  
24 Royal Air Force, for JIAC Consolidation Phase 2, and the  
25 authorization contained in the table in section 2301(b) of

1 the Military Construction Authorization Act for Fiscal  
2 Year 2017 (division B of Public Law 114–328; 130 Stat.  
3 2697) for Royal Air Force Croughton, for JIAC Consoli-  
4 dation Phase 3, the location shall be United Kingdom, Un-  
5 specified.

6 **SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT**  
7 **CERTAIN FISCAL YEAR 2017 PROJECT.**

8 In the case of the authorization contained in the table  
9 in section 2301(a) of the Military Construction Authoriza-  
10 tion Act for Fiscal Year 2017 (division B of Public Law  
11 114–328; 130 Stat. 2696) for Joint Base San Antonio,  
12 Texas, for construction of a basic military training recruit  
13 dormitory, the Secretary of the Air Force may construct  
14 a 26,537 square meter dormitory in the amount of  
15 \$92,300,000.

16 **SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT**  
17 **CERTAIN FISCAL YEAR 2018 PROJECT.**

18 In the case of the authorization contained in the table  
19 in section 2301(a) of the Military Construction Authoriza-  
20 tion Act for Fiscal Year 2018 (division B of Public Law  
21 115–91; 131 Stat. 1825) for the United States Air Force  
22 Academy, Colorado, for construction of a cyberworks facil-  
23 ity, the Secretary of the Air Force may construct a facility  
24 of up to 4,462 square meters that includes two real prop-  
25 erty gifts of construction of 929 and 465 square meters

1 if such gift is accepted by the Secretary in accordance with  
2 section 2601 of title 10, United States Code.

3 **SEC. 2308. ADDITIONAL AUTHORITY TO CARRY OUT CER-**  
4 **TAIN FISCAL YEAR 2019 PROJECTS.**

5 (a) PROJECT AUTHORIZATIONS.—The Secretary of  
6 the Air Force may carry out military construction projects  
7 to construct—

8 (1) a 6,702 square meter Joint Simulation En-  
9 vironment Facility at Edwards Air Force Base, Cali-  
10 fornia, in the amount of \$43,000,000;

11 (2) a 4,833 square meter Cyberspace Test Fa-  
12 cility at Eglin Air Force Base, Florida, in the  
13 amount of \$38,000,000; and

14 (3) a 4,735 square meter Joint Simulation En-  
15 vironment Facility at Nellis Air Force Base, Nevada,  
16 in the amount of \$30,000,000.

17 (b) USE OF RESEARCH, DEVELOPMENT, TEST, AND  
18 EVALUATION FUNDS.—As provided for in the Defense  
19 Laboratory Modernization Pilot Program authorized by  
20 section 2803 of the Military Construction Authorization  
21 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
22 1169), the Secretary may use funds available for research,  
23 development, test, and evaluation for the projects de-  
24 scribed in subsection (a).

1 **SEC. 2309. ADDITIONAL AUTHORITY TO CARRY OUT**  
2 **PROJECT AT TRAVIS AIR FORCE BASE, CALI-**  
3 **FORNIA, IN FISCAL YEAR 2019.**

4 The Secretary of the Air Force may carry out a mili-  
5 tary construction project to construct a 150,000 square  
6 foot high-bay air cargo pallet storage and marshaling en-  
7 closure integral to installation of a mechanized material  
8 handling system at Travis Air Force Base, California, in  
9 the amount of \$35,000,000.

10 **TITLE XXIV—DEFENSE AGEN-**  
11 **CIES MILITARY CONSTRUC-**  
12 **TION**

Sec. 2401. Authorized defense agencies construction and land acquisition projects.

Sec. 2402. Authorized energy conservation projects.

Sec. 2403. Authorization of appropriations, defense agencies.

Sec. 2404. Extension of authorizations of certain fiscal year 2015 projects.

Sec. 2405. Authorization of certain fiscal year 2018 project.

13 **SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUC-**  
14 **TION AND LAND ACQUISITION PROJECTS.**

15 (a) **INSIDE THE UNITED STATES.**—Using amounts  
16 appropriated pursuant to the authorization of appropria-  
17 tions in section 2403(a) and available for military con-  
18 struction projects inside the United States as specified in  
19 the funding table in section 4601, the Secretary of De-  
20 fense may acquire real property and carry out military  
21 construction projects for the installations or locations in-

1 side the United States, and in the amounts, set forth in  
2 the following table:

**Defense Agencies: Inside the United States**

State	Installation or Location	Amount
Alaska .....	Clear Air Force Station .....	\$174,000,000
	Fort Greely .....	\$8,000,000
	Joint Base Elmendorf-Richardson .....	\$14,000,000
Arkansas .....	Little Rock Air Force Base .....	\$14,000,000
California .....	Marine Corps Base Camp Pendleton .....	\$12,596,000
	Defense Distribution Depot-Tracy .....	\$18,800,000
	Naval Base Coronado .....	\$71,088,000
Colorado .....	Fort Carson .....	\$24,297,000
Conus Classified .....	Classified Location .....	\$49,222,000
Kentucky .....	Fort Campbell .....	\$82,298,000
Maine .....	Kittery .....	\$11,600,000
Maryland .....	Fort Meade .....	\$805,000,000
Missouri .....	St. Louis .....	\$447,800,000
New Jersey .....	Joint Base McGuire-Dix-Lakehurst .....	\$10,200,000
North Carolina .....	Fort Bragg .....	\$32,366,000
	Marine Corps Air Station New River .....	\$32,580,000
Oklahoma .....	McAlester .....	\$7,000,000
Texas .....	Joint Base San Antonio .....	\$10,200,000
	Red River Army Depot .....	\$71,500,000
Virginia .....	Fort A.P. Hill .....	\$11,734,000
	Fort Belvoir .....	\$6,127,000
	Humphreys Engineer Center .....	\$20,257,000
	Joint Base Langley-Eustis .....	\$12,700,000
	Pentagon .....	\$35,850,000
	Training Center Dam Neck .....	\$8,959,000
Washington .....	Joint Base Lewis-McChord .....	\$26,200,000

3 (b) OUTSIDE THE UNITED STATES.—Using amounts  
4 appropriated pursuant to the authorization of appropria-  
5 tions in section 2403(a) and available for military con-  
6 struction projects outside the United States as specified  
7 in the funding table in section 4601, the Secretary of De-  
8 fense may acquire real property and carry out military  
9 construction projects for the installations or locations out-  
10 side the United States, and in the amounts, set forth in  
11 the following table:

**Defense Agencies: Outside the United States**

Country	Installation or Location	Amount
Belgium .....	Chievres Air Base .....	\$14,305,000
Germany .....	Baumholder .....	\$11,504,000
	Kaiserslautern Air Base .....	\$99,955,000

**Defense Agencies: Outside the United States**—Continued

<b>Country</b>	<b>Installation or Location</b>	<b>Amount</b>
	Wiesbaden .....	\$56,048,000
Cuba .....	Naval Station Guantanamo Bay .....	\$9,080,000
Japan .....	Camp McTureous .....	\$94,851,000
	Iwakuni .....	\$33,200,000
	Kadena Air Base .....	\$21,400,000
	Yokosuka .....	\$170,386,000

1 **SEC. 2402. AUTHORIZED ENERGY CONSERVATION**  
2 **PROJECTS.**

3 Using amounts appropriated pursuant to the author-  
4 ization of appropriations in section 2403(a) and available  
5 for energy conservation projects as specified in the funding  
6 table in section 4601, the Secretary of Defense may carry  
7 out energy conservation projects under chapter 173 of title  
8 10, United States Code.

9 **SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DE-**  
10 **FENSE AGENCIES.**

11 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
12 are hereby authorized to be appropriated for fiscal years  
13 beginning after September 30, 2018, for military con-  
14 struction, land acquisition, and military family housing  
15 functions of the Department of Defense (other than the  
16 military departments), as specified in the funding table  
17 in section 4601.

18 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**  
19 **PROJECTS.**—Notwithstanding the cost variations author-  
20 ized by section 2853 of title 10, United States Code, and  
21 any other cost variation authorized by law, the total cost

1 of all projects carried out under section 2401 of this Act  
 2 may not exceed the total amount authorized to be appro-  
 3 priated under subsection (a), as specified in the funding  
 4 table in section 4601.

5 **SEC. 2404. EXTENSION OF AUTHORIZATIONS OF CERTAIN**  
 6 **FISCAL YEAR 2015 PROJECTS.**

7 (a) EXTENSION.—Notwithstanding section 2002 of  
 8 the Military Construction Authorization Act for Fiscal  
 9 Year 2015 (division B of Public Law 113–291; 128 Stat.  
 10 3669), the authorizations set forth in the table in sub-  
 11 section (b), as provided in section 2401 of that Act (128  
 12 Stat. 3681) and as amended by section 2406 of the Mili-  
 13 tary Construction Authorization Act for Fiscal Year 2018  
 14 (division B of Public Law 115–91; 131 Stat. 1831), shall  
 15 remain in effect until October 1, 2019, or the date of the  
 16 enactment of an Act authorizing funds for military con-  
 17 struction for fiscal year 2020, whichever is later.

18 (b) TABLE.—The table referred to in subsection (a)  
 19 is as follows:

**Defense Agencies: Extension of 2015 Project Authorizations**

State/Country	Installation or Location	Project	Amount
Japan .....	Commander Fleet Ac- tivities Sasebo .....	E.J. King High School Replace- ment/Renovation ....	\$37,681,000
Japan .....	Okinawa .....	Kubasaki High School Replacement/Ren- ovation .....	\$99,420,000
New Mexico .....	Cannon AFB .....	SOF Squadron Oper- ations Facility (STS) .....	\$23,333,000

**Defense Agencies: Extension of 2015 Project Authorizations—**  
Continued

<b>State/Country</b>	<b>Installation or Location</b>	<b>Project</b>	<b>Amount</b>
Virginia .....	Pentagon .....	Redundant Chilled Water Loop .....	\$15,100,000

**1 SEC. 2405. AUTHORIZATION OF CERTAIN FISCAL YEAR 2018**

**2 PROJECT.**

3 The table in section 2401(a) of the National Defense  
 4 Authorization Act for Fiscal Year 2018 (division B of  
 5 Public Law 105–91) is amended by inserting after the  
 6 item relating to South Carolina the following new item:

Texas .....	Fort Bliss Blood Proc- essing Center .....	\$8,300,000
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**7 TITLE XXV—INTERNATIONAL**  
**8 PROGRAMS**

**9 Subtitle A—North Atlantic Treaty**  
**10 Organization Security Invest-**  
**11 ment Program**

Subtitle A—North Atlantic Treaty Organization Security Investment Program

Sec. 2501. Authorized NATO construction and land acquisition projects.

Sec. 2502. Authorization of appropriations, NATO.

Subtitle B—Host Country In-kind Contributions

Sec. 2511. Republic of Korea funded construction projects.

**12 SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND**  
**13 ACQUISITION PROJECTS.**

**14** The Secretary of Defense may make contributions for  
**15** the North Atlantic Treaty Organization Security Invest-

1 ment Program as provided in section 2806 of title 10,  
2 United States Code, in an amount not to exceed the sum  
3 of the amount authorized to be appropriated for this pur-  
4 pose in section 2502 and the amount collected from the  
5 North Atlantic Treaty Organization as a result of con-  
6 struction previously financed by the United States.

7 **SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.**

8 (a) AUTHORIZATION.—Funds are hereby authorized  
9 to be appropriated for fiscal years beginning after Sep-  
10 tember 30, 2018, for contributions by the Secretary of De-  
11 fense under section 2806 of title 10, United States Code,  
12 for the share of the United States of the cost of projects  
13 for the North Atlantic Treaty Organization Security In-  
14 vestment Program authorized by section 2501 as specified  
15 in the funding table in section 4601. When the United  
16 States is designated as the Host Nation for the purposes  
17 of executing a project under the NATO Security Invest-  
18 ment Program (NSIP), the Department of Defense con-  
19 struction agent may recognize the NATO project author-  
20 ization amounts as budgetary resources to incur obliga-  
21 tions for the purposes of executing the NSIP project.

22 (b) AUTHORITY TO RECOGNIZE NATO AUTHORIZA-  
23 TION AMOUNTS AS BUDGETARY RESOURCES FOR  
24 PROJECT EXECUTION.—When the United States is des-  
25 ignated as the Host Nation for the purposes of executing

1 a project under the NATO Security Investment Program  
 2 (NSIP), the Department of Defense construction agent  
 3 may recognize the NATO project authorization amounts  
 4 as budgetary resources to incur obligations for the pur-  
 5 poses of executing the NSIP project.

## 6 **Subtitle B—Host Country In-kind** 7 **Contributions**

### 8 **SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION** 9 **PROJECTS.**

10 Pursuant to agreement with the Republic of Korea  
 11 for required in-kind contributions, the Secretary of De-  
 12 fense may accept military construction projects for the in-  
 13 stallations or locations, and in the amounts, set forth in  
 14 the following table:

**Republic of Korea Funded Construction Projects**

Country	Component	Installation or Location	Project	Amount
Korea .....	Army .....	Camp Carroll	Upgrade Electrical Distribution, Phase 2 .....	\$52,000,000
	Army .....	Camp Humphreys .....	Site Development .....	\$7,800,000
	Army .....	Camp Humphreys .....	Air Support Operations Squadron .....	\$25,000,000
	Army .....	Camp Humphreys .....	Unaccompanied Enlisted Personnel Housing, P2 .....	\$76,000,000
	Army .....	Camp Humphreys .....	Echelon Above Brigade Engineer Battalion, VMF .....	\$123,000,000
	Army .....	Camp Walker	Repair/ Replace Sewer Piping System .....	\$8,000,000
	Navy .....	Chinhae .....	Indoor Training Pool	\$7,400,000
	Navy .....	Pohang Air Base .....	Replace Ordnance Storage Magazines	\$87,000,000
	Air Force ..	Gimhae Air Base .....	Airfield Damage Repair Warehouse .....	\$7,600,000

**Republic of Korea Funded Construction Projects—Continued**

<b>Country</b>	<b>Component</b>	<b>Installation or Location</b>	<b>Project</b>	<b>Amount</b>
	Air Force ..	Gwangju Air Base .....	Airfield Damage Repair Warehouse .....	\$7,600,000
	Air Force ..	Kunsan Air Base .....	Explosive Ordnance Disposal Facility ...	\$8,000,000
	Air Force ..	Kunsan Air Base .....	Upgrade Flow-Through Fuel System .....	\$23,000,000
	Air Force ..	Osan Air Base	5th Recon-naissance Squadron Aircraft Shelter .....	\$12,000,000
	Air Force ..	Osan Air Base	Airfield Damage Repair Facility .....	\$22,000,000
	Air Force ..	Osan Air Base	Communi-cations HQ Building .....	\$45,000,000
	Air Force ..	Suwon Air Base .....	Airfield Damage Repair Warehouse .....	\$7,200,000

1           **TITLE XXVI—GUARD AND**  
2           **RESERVE FORCES FACILITIES**  
3           **Subtitle A—Project Authorizations**  
4           **and Authorization of Appropria-**  
5           **tions**

Subtitle A—Project Authorizations and Authorization of Appropriations

Sec. 2601 . Authorized Army National Guard construction and land acquisition projects.

Sec. 2602. Authorized Army Reserve construction and land acquisition projects.

Sec. 2603. Authorized Navy Reserve and Marine Corps Reserve construction and land acquisition projects.

Sec. 2604. Authorized Air National Guard construction and land acquisition projects.

Sec. 2605. Authorized Air Force Reserve construction and land acquisition projects.

Sec. 2606. Authorization of appropriations, National Guard and Reserve.

Subtitle B—Other Matters

Sec. 2611. Modification of authority to carry out certain fiscal year 2016 project.

Sec. 2612. Modification of authority to carry out certain fiscal year 2018 project.

Sec. 2613. Additional authority to carry out certain fiscal year 2019 project.

1 **SEC. 2601 . AUTHORIZED ARMY NATIONAL GUARD CON-**  
 2 **STRUCTION AND LAND ACQUISITION**  
 3 **PROJECTS.**

4 Using amounts appropriated pursuant to the author-  
 5 ization of appropriations in section 2606 and available for  
 6 the National Guard and Reserve as specified in the fund-  
 7 ing table in section 4601, the Secretary of the Army may  
 8 acquire real property and carry out military construction  
 9 projects for the Army National Guard locations inside the  
 10 United States, and in the amounts, set forth in the fol-  
 11 lowing table:

**Army National Guard**

<b>State</b>	<b>Location</b>	<b>Amount</b>
Alaska .....	Joint Base Elmendorf-Richardson .....	\$27,000,000
Illinois .....	Marseilles Training Center .....	\$5,000,000
Montana .....	Malta .....	\$15,000,000
Nevada .....	North Las Vegas .....	\$32,000,000
New Hampshire .....	Pembroke .....	\$12,000,000
North Dakota .....	Fargo .....	\$32,000,000
Ohio .....	Camp Ravenna .....	\$7,400,000
Oklahoma .....	Lexington .....	\$11,000,000
Oregon .....	Boardman .....	\$11,000,000
South Dakota .....	Rapid City .....	\$15,000,000

12 **SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION**  
 13 **AND LAND ACQUISITION PROJECTS.**

14 Using amounts appropriated pursuant to the author-  
 15 ization of appropriations in section 2606 and available for  
 16 the National Guard and Reserve as specified in the fund-  
 17 ing table in section 4601, the Secretary of the Army may  
 18 acquire real property and carry out military construction  
 19 projects for the Army Reserve locations inside the United

1 States, and in the amounts, set forth in the following  
2 table:

**Army Reserve: Inside the United States**

State	Location	Amount
California .....	Barstow .....	\$34,000,000
Washington .....	Yakima Training Center .....	\$23,000,000
Wisconsin .....	Fort McCoy .....	\$23,000,000

3 **SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE**  
4 **CORPS RESERVE CONSTRUCTION AND LAND**  
5 **ACQUISITION PROJECTS.**

6 Using amounts appropriated pursuant to the author-  
7 ization of appropriations in section 2606 and available for  
8 the National Guard and Reserve as specified in the fund-  
9 ing table in section 4601, the Secretary of the Navy may  
10 acquire real property and carry out military construction  
11 projects for the Navy Reserve and Marine Corps Reserve  
12 locations inside the United States, and in the amounts,  
13 set forth in the following table:

**Navy Reserve and Marine Corps Reserve**

State	Location	Amount
California .....	Naval Weapons Station Seal Beach .....	\$21,740,000
Georgia .....	Fort Benning .....	\$13,630,000

14 **SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUC-**  
15 **TION AND LAND ACQUISITION PROJECTS.**

16 Using amounts appropriated pursuant to the author-  
17 ization of appropriations in section 2606 and available for  
18 the National Guard and Reserve as specified in the fund-  
19 ing table in section 4601, the Secretary of the Air Force

1 may acquire real property and carry out military construc-  
 2 tion projects for the Air National Guard locations inside  
 3 the United States, and in the amounts, set forth in the  
 4 following table:

**Air National Guard**

State	Location	Amount
California .....	Channel Islands Air National Guard Station .....	\$8,000,000
Hawaii .....	Joint Base Pearl Harbor-Hickam .....	\$17,000,000
Illinois .....	Greater Peoria Regional Airport .....	\$9,000,000
Louisiana .....	Naval Air Station Joint Reserve Base New Orleans. ans.	\$39,000,000
Minnesota .....	Duluth International Airport .....	\$8,000,000
Montana .....	Great Falls International Airport .....	\$9,000,000
New York .....	Francis S. Gabreski Airport .....	\$20,000,000
Ohio .....	Mansfield Lahm Airport .....	\$13,000,000
	Rickenbacker International Airport .....	\$8,000,000
Pennsylvania .....	Fort Indiantown Gap .....	\$8,000,000
Virginia .....	Joint Base Langley-Eustis .....	\$10,000,000

5 **SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

6  
 7 Using amounts appropriated pursuant to the author-  
 8 ization of appropriations in section 2606 and available for  
 9 the National Guard and Reserve as specified in the fund-  
 10 ing table in section 4601, the Secretary of the Air Force  
 11 may acquire real property and carry out military construc-  
 12 tion projects for the Air Force Reserve locations inside  
 13 the United States, and in the amounts, set forth in the  
 14 following table:

**Air Force Reserve**

State	Location	Amount
Florida .....	Patrick Air Force Base .....	\$24,000,000
Indiana .....	Grissom Air Reserve Base .....	\$21,500,000
Massachusetts .....	Westover Air Reserve Base .....	\$42,600,000
Mississippi .....	Keesler Air Force Base .....	\$4,550,000
New York .....	Niagara Falls International Airport .....	\$14,000,000
Ohio .....	Youngstown Air Reserve Station .....	\$8,800,000

1 **SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NA-**  
2 **TIONAL GUARD AND RESERVE.**

3 Funds are hereby authorized to be appropriated for  
4 fiscal years beginning after September 30, 2018, for the  
5 costs of acquisition, architectural and engineering services,  
6 and construction of facilities for the Guard and Reserve  
7 Forces, and for contributions therefor, under chapter  
8 1803 of title 10, United States Code (including the cost  
9 of acquisition of land for those facilities), as specified in  
10 the funding table in section 4601.

11 **Subtitle B—Other Matters**

12 **SEC. 2611. MODIFICATION OF AUTHORITY TO CARRY OUT**  
13 **CERTAIN FISCAL YEAR 2016 PROJECT.**

14 In the case of the authorization contained in the table  
15 in section 2603 of the Military Construction Authorization  
16 Act for Fiscal Year 2016 (division B of Public Law 114–  
17 92; 129 Stat. 1164) for construction of a Reserve Train-  
18 ing Center Complex at Dam Neck, Virginia, the Secretary  
19 of the Navy may construct the Reserve Training Center  
20 Complex at Joint Expeditionary Base Little Creek-Story,  
21 Virginia.

22 **SEC. 2612. MODIFICATION OF AUTHORITY TO CARRY OUT**  
23 **CERTAIN FISCAL YEAR 2018 PROJECT.**

24 In the case of the authorization contained in the table  
25 in section 2601 of the Military Construction Authorization  
26 Act for Fiscal Year 2018 (division B of Public Law 115-

1 91; 131 Stat. 1834) for Fort Belvoir, Virginia, for addi-  
2 tions and alterations to the National Guard Readiness  
3 Center, the Secretary of the Army may construct a new  
4 readiness center.

5 **SEC. 2613. ADDITIONAL AUTHORITY TO CARRY OUT CER-**  
6 **TAIN FISCAL YEAR 2019 PROJECT.**

7 (a) PROJECT AUTHORIZATION.—

8 (1) PROJECT.—The Secretary of the Navy may  
9 carry out a military construction project to construct  
10 a 50,000 square foot reserve training center, 6,600  
11 square foot combat vehicle maintenance and storage  
12 facility, 2,400 square foot vehicle wash rack, 1,600  
13 square foot covered training area, road improve-  
14 ments, and associated supporting facilities.

15 (2) ACQUISITION OF LAND.—As part of the  
16 project under this subsection, the Secretary may ac-  
17 quire approximately 8.5 acres of adjacent land and  
18 obtain necessary interest in land at Pittsburgh,  
19 Pennsylvania, for the construction and operation of  
20 the reserve training center.

21 (3) AMOUNT OF AUTHORIZATION.—The total  
22 amount of funds the Secretary may obligate and ex-  
23 pend on activities under this subsection during fiscal  
24 year 2019 may not exceed \$17,650,000.

1 (b) USE OF UNOBLIGATED PRIOR-YEAR NAVY MILI-  
2 TARY CONSTRUCTION RESERVE FUNDS.—The Secretary  
3 may use available, unobligated Navy military construction  
4 reserve funds for the project described in subsection (a).

5 (c) CONGRESSIONAL NOTIFICATION.—The Secretary  
6 of the Navy shall provide information in accordance with  
7 section 2851(c) of title 10, United States Code, regarding  
8 the project described in subsection (a). If it becomes nec-  
9 essary to exceed the estimated project cost, the Secretary  
10 shall utilize the authority provided by section 2853 of such  
11 title regarding authorized cost and scope of work vari-  
12 ations.

13 **TITLE XXVII—BASE REALIGN-**  
14 **MENT AND CLOSURE ACTIVI-**  
15 **TIES**

Sec. 2701. Authorization of appropriations for base realignment and closure ac-  
tivities funded through Department of Defense Base Closure  
Account.

Sec. 2702. Additional authority to realign or close certain military installations.

Sec. 2703. Prohibition on conducting additional base realignment and closure  
(BRAC) round.

16 **SEC. 2701. AUTHORIZATION OF APPROPRIATIONS FOR**  
17 **BASE REALIGNMENT AND CLOSURE ACTIVI-**  
18 **TIES FUNDED THROUGH DEPARTMENT OF**  
19 **DEFENSE BASE CLOSURE ACCOUNT.**

20 Funds are hereby authorized to be appropriated for  
21 fiscal years beginning after September 30, 2018, for base  
22 realignment and closure activities, including real property

1 acquisition and military construction projects, as author-  
2 ized by the Defense Base Closure and Realignment Act  
3 of 1990 (part A of title XXIX of Public Law 101–510;  
4 10 U.S.C. 2687 note) and funded through the Department  
5 of Defense Base Closure Account established by section  
6 2906 of such Act (as amended by section 2711 of the Mili-  
7 tary Construction Authorization Act for Fiscal Year 2013  
8 (division B of Public Law 112–239; 126 Stat. 2140)), as  
9 specified in the funding table in section 4601.

10 **SEC. 2702. ADDITIONAL AUTHORITY TO REALIGN OR CLOSE**  
11 **CERTAIN MILITARY INSTALLATIONS.**

12 (a) **AUTHORIZATION.**—Notwithstanding sections 993  
13 or 2687 of title 10, United States Code, and subject to  
14 subsection (d), the Secretary of Defense may take such  
15 actions as may be necessary to carry out the realignment  
16 or closure of a military installation in a State during a  
17 fiscal year if—

18 (1) the military installation is the subject of a  
19 notice which is described in subsection (b); and

20 (2) the Secretary includes the military installa-  
21 tion in the report submitted under paragraph (2) of  
22 subsection (c) with respect to the fiscal year.

23 (b) **NOTICE FROM GOVERNOR OF STATE.**—A notice  
24 described in this subsection is a notice received by the Sec-  
25 retary of Defense from the Governor of a State (or, in

1 the case of the District of Columbia, the Mayor of the  
2 District of Columbia) in which the Governor recommends  
3 that the Secretary carry out the realignment or closure  
4 of a military installation located in the State, and which  
5 includes each of the following elements:

6 (1) A specific description of the military instal-  
7 lation, or a specific description of the relevant real  
8 and personal property.

9 (2) Statements of support for the realignment  
10 or closure from units of local government in which  
11 the installation is located.

12 (3) A detailed plan for the reuse or redevelop-  
13 ment of the real and personal property of the instal-  
14 lation, together with a description of the local rede-  
15 velopment authority which will be responsible for the  
16 implementation of the plan.

17 (c) RESPONSE TO NOTICE.—

18 (1) MANDATORY RESPONSE TO GOVERNOR AND  
19 CONGRESS.—Not later than 1 year after receiving a  
20 notice from the Governor of a State (or, in the case  
21 of the District of Columbia, from the Mayor of the  
22 District of Columbia), the Secretary of Defense shall  
23 submit a response to the notice to the Governor and  
24 the congressional defense committees indicating  
25 whether or not the Secretary accepts the rec-

1       ommendation for the realignment or closure of a  
2       military installation which is the subject of the no-  
3       tice.

4           (2) ACCEPTANCE OF RECOMMENDATION.—If  
5       the Secretary of Defense determines that it is in the  
6       interests of the United States to accept the rec-  
7       ommendation for the realignment or closure of a  
8       military installation which is the subject of a notice  
9       received under subsection (b) and intends to carry  
10      out the realignment or closure of the installation  
11      pursuant to the authority of this section during a  
12      fiscal year, at the time the budget is submitted  
13      under section 1105(a) of title 31, United States  
14      Code, for the fiscal year, the Secretary shall submit  
15      a report to the congressional defense committees  
16      which includes the following:

17           (A) The identification of each military in-  
18      stallation for which the Secretary intends to  
19      carry out a realignment or closure pursuant to  
20      the authority of this section during the fiscal  
21      year, together with the reasons the Secretary of  
22      Defense believes that it is in the interest of the  
23      United States to accept the recommendation of  
24      the Governor of the State involved for the re-  
25      alignment or closure of the installation.

1           (B) For each military installation identi-  
2           fied under subparagraph (A), a master plan de-  
3           scribing the required scope of work, cost, and  
4           timing for all facility actions needed to carry  
5           out the realignment or closure, including the  
6           construction of new facilities and the repair or  
7           renovation of existing facilities.

8           (C) For each military installation identified  
9           under subparagraph (A), a certification that,  
10          not later than the end of the fifth fiscal year  
11          after the completion of the realignment or clo-  
12          sure, the savings resulting from the realignment  
13          or closure will exceed the costs of carrying out  
14          the realignment or closure, together with an es-  
15          timate of the annual recurring savings that  
16          would be achieved by the realignment or closure  
17          of the installation and the timeframe required  
18          for the financial savings to exceed the costs of  
19          carrying out the realignment or closure.

20          (d) LIMITATIONS.—

21           (1) TIMING.—The Secretary may not initiate  
22          the realignment or closure of a military installation  
23          pursuant to the authority of this section until the  
24          expiration of the 90-day period beginning on the

1 date the Secretary submits the report under para-  
2 graph (2) of subsection (c).

3 (2) TOTAL COSTS.—Subject to appropriations,  
4 the aggregate cost to the government in carrying out  
5 the realignment or closure of military installations  
6 pursuant to the authority of this section for all fiscal  
7 years may not exceed \$2,000,000,000. In deter-  
8 mining the cost to the government for purposes of  
9 this section, there shall be included the costs of  
10 planning and design, military construction, oper-  
11 ations and maintenance, environmental restoration,  
12 information technology, termination of public-private  
13 contracts, guarantees, and other factors contributing  
14 to the cost of carrying out the realignment or clo-  
15 sure, as determined by the Secretary.

16 (e) PROCESS FOR IMPLEMENTATION.—The imple-  
17 mentation of the realignment or closure of a military in-  
18 stallation pursuant to the authority of this section shall  
19 be carried out in accordance with section 2905 of the De-  
20 fense Base Closure and Realignment Act of 1990 (title  
21 XXIX of Public Law 101–510; 10 U.S.C. 2687 note) in  
22 the same manner as the implementation of a realignment  
23 or closure of a military installation pursuant to the au-  
24 thority of such Act.

1 (f) STATE DEFINED.—In this section, the term  
2 “State” means each of the several States, the District of  
3 Columbia, the Commonwealth of Puerto Rico, American  
4 Samoa, Guam, the United States Virgin Islands, and the  
5 Commonwealth of the Northern Mariana Islands.

6 (g) TERMINATION OF AUTHORITY.—The authority of  
7 the Secretary to carry out a realignment or closure pursu-  
8 ant to this section shall terminate at the end of fiscal year  
9 2029.

10 **SEC. 2703. PROHIBITION ON CONDUCTING ADDITIONAL**  
11 **BASE REALIGNMENT AND CLOSURE (BRAC)**  
12 **ROUND.**

13 Nothing in this Act shall be construed to authorize  
14 an additional Base Realignment and Closure (BRAC)  
15 round.

16 **TITLE XXVIII—MILITARY CON-**  
17 **STRUCTION GENERAL PROVI-**  
18 **SIONS**

Subtitle A—Military Construction Program and Military Family Housing

- Sec. 2801. Modification of contract authority for acquisition, construction, or furnishing of test facilities and equipment.
- Sec. 2802. Commercial construction standards for facilities on leased property.
- Sec. 2803. Congressional oversight of projects carried out pursuant to laws other than Military Construction Authorization Acts.
- Sec. 2804. Small business set-aside for contracts for architectural and engineering services and construction design.
- Sec. 2805. Updates and modifications to Department of Defense Form 1391, Unified Facilities Criteria, and military installation master plans.
- Sec. 2806. Work in Process Curve charts and outlay tables for military construction projects.

- Sec. 2807. Extension of temporary, limited authority to use operation and maintenance funds for construction projects in certain areas outside the United States.
- Sec. 2808. Authority to obtain architectural and engineering services and construction design for defense laboratory modernization program.
- Sec. 2809. Repeal of limitation on certain Guam project.
- Sec. 2810. Enhancing force protection and safety on military installations.
- Sec. 2811. Limitation on use of funds for acquisition of furnished energy for new medical center in Germany.

#### Subtitle B—Real Property and Facilities Administration

- Sec. 2821. Force structure plans and infrastructure capabilities necessary to support the force structure.
- Sec. 2822. Exemption of Department of Defense off-site use and off-site removal only non-mobile properties from certain excess property disposal requirements.
- Sec. 2823. Retrofitting existing windows in military family housing units to be equipped with fall prevention devices.
- Sec. 2824. Updating prohibition on use of certain assessment of public schools on Department of Defense installations to supersede funding of certain projects.
- Sec. 2825. Study of feasibility of using 20-year intergovernmental support agreements for installation-support services.
- Sec. 2826. Representation of installation interests in negotiations and proceedings with carriers and other public utilities.
- Sec. 2827. Clarification to include National Guard installations in Readiness and Environmental Protection Integration program.

#### Subtitle C—Land Conveyances

- Sec. 2841. Land exchange, Air Force Plant 44, Tucson, Arizona.
- Sec. 2842. Authority for transfer of administrative jurisdiction over certain lands, Marine Corps Air Ground Combat Center Twentynine Palms, California, and Marine Corps Air Station Yuma, Arizona.
- Sec. 2843. Environmental restoration and future conveyance of portion of former Mare Island Firing Range, Vallejo, California.
- Sec. 2844. Release of restrictions, University of California, San Diego.
- Sec. 2845. Land exchange, Naval support activity, Washington Navy Yard, District of Columbia.
- Sec. 2846. Land conveyance, Eglin Air Force Base, Florida.
- Sec. 2847. Public inventory of Guam land parcels for transfer to Government of Guam.
- Sec. 2848. Modification of conditions on land conveyance, Joliet Army Ammunition Plant, Illinois.
- Sec. 2849. Land conveyance, Naval Academy dairy farm, Gambrills, Maryland.
- Sec. 2850. Technical correction of description of Limestone Hills Training Area Land Withdrawal and Reservation, Montana.
- Sec. 2851. Land conveyance, Wasatch-Cache National Forest, Rich County, Utah.
- Sec. 2852. Commemoration of Freedman's Village.

#### Subtitle D—Other Matters

- Sec. 2861. Defense community infrastructure pilot program.

- Sec. 2862. Strategic plan to improve capabilities of Department of Defense training ranges and installations.
- Sec. 2863. Restrictions on use of funds for development of public infrastructure in Commonwealth of Northern Mariana Islands.
- Sec. 2864. Study and report on inclusion of Coleman Bridge, York River, Virginia, in Strategic Highway Network.
- Sec. 2865. Defense access roads relating to closures due to sea level fluctuation and flooding.
- Sec. 2866. Authority to transfer funds for construction of Indian River Bridge.
- Sec. 2867. Plan to allow increased public access to the National Naval Aviation Museum and Barrancas National Cemetery, Naval Air Station Pensacola.

1 **Subtitle A—Military Construction**  
2 **Program and Military Family**  
3 **Housing**

4 **SEC. 2801. MODIFICATION OF CONTRACT AUTHORITY FOR**  
5 **ACQUISITION, CONSTRUCTION, OR FUR-**  
6 **NISHING OF TEST FACILITIES AND EQUIP-**  
7 **MENT.**

8 Section 2353(a) of title 10, United States Code, is  
9 amended—

10 (1) by inserting after the first sentence the fol-  
11 lowing: “The acquisition or construction of these re-  
12 search, developmental, or test facilities shall be sub-  
13 ject to the cost principles applicable to allowable  
14 contract expenses.”; and

15 (2) by adding at the end the following: “The  
16 Secretary of Defense and the Secretaries of the mili-  
17 tary departments shall promulgate regulations nec-  
18 essary to give full force and effect to this section.”.

1 **SEC. 2802. COMMERCIAL CONSTRUCTION STANDARDS FOR**  
2 **FACILITIES ON LEASED PROPERTY.**

3 (a) USE OF COMMERCIAL STANDARDS.—Section  
4 2667(b) of title 10, United States Code, is amended—

5 (1) by striking “and” at the end of paragraph

6 (6);

7 (2) by striking the period at the end of para-  
8 graph (7) and inserting “; and”; and

9 (3) by adding at the end the following new  
10 paragraph:

11 “(8) shall provide that any facilities constructed  
12 on the property may be constructed using commer-  
13 cial standards in a manner that provides force pro-  
14 tection safeguards appropriate to the activities con-  
15 ducted in, and the location of, such facilities.”.

16 (b) EFFECTIVE DATE.—The amendment made by  
17 subsection (a) shall apply with respect to leases entered  
18 into during fiscal year 2019 or any of the four succeeding  
19 fiscal years.

20 **SEC. 2803. CONGRESSIONAL OVERSIGHT OF PROJECTS**  
21 **CARRIED OUT PURSUANT TO LAWS OTHER**  
22 **THAN MILITARY CONSTRUCTION AUTHORIZA-**  
23 **TION ACTS.**

24 Section 2802(e)(1) of title 10, United States Code,  
25 is amended—

1 (1) by striking “Secretary concerned shall—”  
2 and all that follows through “comply with the con-  
3 gressional notification requirement” and inserting  
4 “Secretary concerned shall comply with the congres-  
5 sional notification requirement”; and

6 (2) by inserting “and submit to the congres-  
7 sional defense committees any materials required to  
8 be submitted to Congress or any other congressional  
9 committees pursuant to the congressional notifica-  
10 tion requirement” after “road project will be carried  
11 out”.

12 **SEC. 2804. SMALL BUSINESS SET-ASIDE FOR CONTRACTS**  
13 **FOR ARCHITECTURAL AND ENGINEERING**  
14 **SERVICES AND CONSTRUCTION DESIGN.**

15 (a) MANDATORY AWARD OF CONTRACTS UNDER  
16 THRESHOLD AMOUNT.—Section 2855(b)(1) of title 10,  
17 United States Code, is amended by striking “subsection  
18 (a)—” and all that follows and inserting the following:  
19 “subsection (a), if the Secretary concerned estimates that  
20 the initial award of the contract will be in an amount less  
21 than the threshold amount determined under paragraph  
22 (2), the contract shall be awarded in accordance with the  
23 set aside provisions of the Small Business Act (15 U.S.C.  
24 631 et seq.).”.

1 (b) INCREASE IN THRESHOLD AMOUNT.—Section  
2 2855(b)(2) of such title is amended—

3 (1) by striking “initial”;

4 (2) by striking “\$300,000” and inserting  
5 “\$1,000,000”; and

6 (3) by striking the second sentence.

7 (c) EFFECTIVE DATE.—The amendments made by  
8 this section shall apply with respect to fiscal year 2019  
9 and each succeeding fiscal year.

10 **SEC. 2805. UPDATES AND MODIFICATIONS TO DEPARTMENT**  
11 **OF DEFENSE FORM 1391, UNIFIED FACILITIES**  
12 **CRITERIA, AND MILITARY INSTALLATION**  
13 **MASTER PLANS.**

14 (a) FLOOD RISK DISCLOSURE FOR MILITARY CON-  
15 STRUCTION.—

16 (1) IN GENERAL.—The Secretary of Defense  
17 shall modify Department of Defense Form 1391 to  
18 require, with respect to any proposed major or minor  
19 military construction project requiring congressional  
20 notification or approval—

21 (A) disclosure whether a proposed project  
22 will be sited within or partially within a 100-  
23 year floodplain, according to the most recent  
24 available Federal Emergency Management  
25 Agency flood hazard data; and

1 (B) if the proposed project will be sited  
2 within or partially within a 100-year floodplain,  
3 the specific risk mitigation plan.

4 (2) DELINEATION OF FLOODPLAIN.—To the ex-  
5 tent that Federal Emergency Management Agency  
6 flood hazard data are not available for a proposed  
7 major or minor military construction site, the Sec-  
8 retary concerned shall establish a process for delin-  
9 eating the 100-year floodplain using risk analysis  
10 that is consistent with the standards used to inform  
11 Federal flood risk assessments.

12 (3) REPORTING REQUIREMENTS.—For proposed  
13 projects that are to be sited within or partially with-  
14 in a 100-year floodplain, the Secretary concerned  
15 shall submit to the congressional defense committees  
16 a report with the following:

17 (A) An assessment of flood vulnerability  
18 for the proposed project.

19 (B) Any information concerning alternative  
20 construction sites that were considered, and an  
21 explanation of why those sites do not satisfy  
22 mission requirements.

23 (C) A description of planned flood mitiga-  
24 tion measures.

1           (4) MINIMUM FLOOD MITIGATION REQUIRE-  
2           MENTS.—When mitigating the flood risk of a major  
3           or minor military construction project within or par-  
4           tially within the 100-year floodplain, the Secretary  
5           concerned shall require any mitigation plan to as-  
6           sume an additional—

7                   (A) 2 feet above the base flood elevation  
8                   for non-mission critical buildings, as determined  
9                   by the Secretary; and

10                   (B) 3 feet above the base flood elevation  
11                   for mission-critical buildings, as determined by  
12                   the Secretary.

13           (b) DISCLOSURE REQUIREMENTS FOR DEPARTMENT  
14           OF DEFENSE FORM 1391.—Not later than 30 days after  
15           the date of the enactment of this Act, the Secretary of  
16           Defense shall amend Department of Defense Form 1391  
17           to require, for each requested military construction  
18           project—

19                   (1) disclosure whether the project was included  
20                   in the prior year’s future-years defense program sub-  
21                   mitted to Congress pursuant to section 221 of title  
22                   10, United States Code; and

23                   (2) inclusion of an energy study or life cycle  
24                   analysis.

1           (c) INCORPORATION OF CHANGING ENVIRONMENTAL  
2   CONDITION PROJECTIONS IN MILITARY CONSTRUCTION  
3   DESIGNS AND MODIFICATIONS.—Not later than 30 days  
4   after the date of the enactment of this Act, the Secretary  
5   of Defense shall amend section 3–5.6.2.3 of United Facili-  
6   ties Criteria (UFC) 2–100–01 and UFC 2–100–02 (or  
7   any similar successor regulations) to provide that in order  
8   to anticipate changing environmental conditions during  
9   the design life of existing or planned new facilities and  
10  infrastructure, projections from reliable and authorized  
11  sources such as the Census Bureau (for population projec-  
12  tions), the National Academies of Sciences (for land use  
13  change projections and climate projections), the U.S. Geo-  
14  logical Survey (for land use change projections), and the  
15  U.S. Global Change Research Office and National Climate  
16  Assessment (for climate projections) shall be considered  
17  and incorporated into military construction designs and  
18  modifications.

19           (d) INCLUSION OF CONSIDERATION OF ENERGY AND  
20  CLIMATE RESILIENCY EFFORTS IN MASTER PLANS FOR  
21  MAJOR MILITARY INSTALLATIONS.—Section 2864 of title  
22  10, United States Code, is amended—

23                   (1) in subsection (a)(2)—

24                           (A) in subparagraph (C), by striking  
25                           “and” at the end;

1 (B) in subparagraph (D), by striking the  
2 period at the end and inserting “; and”; and

3 (C) by adding at the end the following new  
4 subparagraph:

5 “(E) energy and climate resiliency efforts.”;  
6 and

7 (2) in subsection (d), by adding at the end the  
8 following new paragraph:

9 “(3) The term ‘energy and climate resiliency’  
10 means anticipation, preparation for, and adaptation  
11 to utility disruptions and changing environmental  
12 conditions and the ability to withstand, respond to,  
13 and recover rapidly from utility disruptions while en-  
14 suring the sustainment of mission-critical oper-  
15 ations.”.

16 (e) DEFINITION OF MILITARY INSTALLATION RESIL-  
17 IENCE.—Section 101(e) of title 10, United States Code,  
18 is amended by adding at the end the following new para-  
19 graph:

20 “(8) MILITARY INSTALLATION RESILIENCE.—  
21 The term ‘military installation resilience’ means the  
22 capability of a military installation to avoid, prepare  
23 for, minimize the effect of, adapt to, and recover  
24 from extreme weather events, or from anticipated or  
25 unanticipated changes in environmental conditions,

1 that do, or have the potential to, adversely affect the  
2 military installation or essential transportation,  
3 logistical, or other necessary resources outside of the  
4 military installation that are necessary in order to  
5 maintain, improve, or rapidly reestablish installation  
6 mission assurance and mission-essential functions.”.

7 (f) ADJUSTMENT AND DIVERSIFICATION ASSISTANCE  
8 FOR RESPONDING TO THREATS TO THE RESILIENCE OF  
9 A MILITARY INSTALLATION.—Section 2391(b)(1) of title  
10 10, United States Code, is amended—

11 (1) by striking “, or (E) by the closure” and in-  
12 serting “, (E) by threats to military installation re-  
13 silience, or (F) by the closure”;

14 (2) by striking “(A), (B), (C), or (E)” and in-  
15 serting “(A), (B), (C), or (F)”; and

16 (3) by striking “action described in clause (D),  
17 if the Secretary determines that the encroachment of  
18 the civilian community” and inserting “action de-  
19 scribed in clause (D) or (E), if the Secretary deter-  
20 mines that either the encroachment of the civilian  
21 community or threats to military installation resil-  
22 ience”.

1 **SEC. 2806. WORK IN PROCESS CURVE CHARTS AND OUTLAY**  
2 **TABLES FOR MILITARY CONSTRUCTION**  
3 **PROJECTS.**

4 (a) REQUIRED SUBMISSIONS.—

5 (1) IN GENERAL.—Subchapter III of chapter  
6 169 of title 10, United States Code, is amended by  
7 inserting after section 2864 the following new sec-  
8 tion:

9 **“§ 2865. Work in Process Curve charts and outlay ta-**  
10 **bles for military construction projects**

11 “Along with the budget for each fiscal year submitted  
12 by the President pursuant to section 1105(a) of title 31,  
13 United States Code, the Secretary of Defense and the Sec-  
14 retaries of the military departments shall include for any  
15 military construction project over \$90,000,000, as an ad-  
16 dendum to be included within the same document as the  
17 1391s for the Military Construction Program budget doc-  
18 umentation, a Project Spending Plan that includes—

19 “(1) a Work in Process Curve chart to identify  
20 funding, obligations, and outlay figures; and

21 “(2) a monthly outlay table for funding, obliga-  
22 tions, and outlay figures.”.

23 (2) CLERICAL AMENDMENT.—The table of sec-  
24 tions at the beginning of such subchapter is amend-  
25 ed by inserting after the item relating to section  
26 2864 the following new item:

“2865. Work in Process Curve charts and outlay tables for military construction projects.”.

1 (b) DEPARTMENT OF DEFENSE GUIDANCE.—The  
2 Secretary of Defense shall, in coordination with the Under  
3 Secretary of Defense (Comptroller), update Department of  
4 Defense Financial Management Regulation 7000.14–R,  
5 and any other appropriate instructions and guidance, to  
6 ensure that the Department of Defense takes appropriate  
7 actions to comply with section 2865 of title 10, United  
8 States Code, as added by this section.

9 **SEC. 2807. EXTENSION OF TEMPORARY, LIMITED AUTHOR-**  
10 **ITY TO USE OPERATION AND MAINTENANCE**  
11 **FUNDS FOR CONSTRUCTION PROJECTS IN**  
12 **CERTAIN AREAS OUTSIDE THE UNITED**  
13 **STATES.**

14 (a) EXTENSION OF AUTHORITY.—Subsection (h) of  
15 section 2808 of the Military Construction Authorization  
16 Act for Fiscal Year 2004 (division B of Public Law 108–  
17 136; 117 Stat. 1723), as most recently amended by sec-  
18 tion 2804 of the Military Construction Authorization Act  
19 for Fiscal Year 2018 (division B of Public Law 115–91;  
20 131 Stat. 1846), is further amended—

21 (1) in paragraph (1), by striking “December  
22 31, 2018” and inserting “December 31, 2020”; and

23 (2) in paragraph (2), by striking “fiscal year  
24 2019” and inserting “fiscal year 2021”.

1 (b) LIMITATION ON USE OF AUTHORITY.—Sub-  
2 section (c)(1) of such section is amended by striking “shall  
3 not exceed” and all that follows and inserting the fol-  
4 lowing: “shall not exceed \$50,000,000 during either of the  
5 following periods:

6 “(1) The period beginning October 1, 2018,  
7 and ending on the earlier of December 31, 2019, or  
8 the date of the enactment of an Act authorizing  
9 funds for military activities of the Department of  
10 Defense for fiscal year 2020.

11 “(2) The period beginning October 1, 2019,  
12 and ending on the earlier of December 31, 2020, or  
13 the date of the enactment of an Act authorizing  
14 funds for military activities of the Department of  
15 Defense for fiscal year 2021.”.

16 **SEC. 2808. AUTHORITY TO OBTAIN ARCHITECTURAL AND**  
17 **ENGINEERING SERVICES AND CONSTRUC-**  
18 **TION DESIGN FOR DEFENSE LABORATORY**  
19 **MODERNIZATION PROGRAM.**

20 (a) AUTHORITY.—Section 2803 of the National De-  
21 fense Authorization Act for Fiscal Year 2016 (Public Law  
22 114–92; 129 Stat. 1169; 10 U.S.C. 2358 note) is amend-  
23 ed—

24 (1) by redesignating subsection (f) as sub-  
25 section (g); and

1           (2) by inserting after subsection (e) the fol-  
2           lowing new subsection:

3           “(f) ADDITIONAL AUTHORITY TO USE FUNDS FOR  
4 RELATED ARCHITECTURAL AND ENGINEERING SERVICES  
5 AND CONTRACT DESIGN.—

6           “(1) AUTHORITY.—In addition to the authority  
7           provided to the Secretary of Defense under sub-  
8           section (a) to use amounts appropriated or otherwise  
9           made available for research, development, test, and  
10          evaluation for a military construction project re-  
11          ferred to in such subsection, the Secretary of the  
12          military department concerned may use amounts ap-  
13          propriated or otherwise made available for research,  
14          development, test, and evaluation to obtain architec-  
15          tural and engineering services and to carry out con-  
16          struction design in connection with such a project.

17          “(2) NOTICE REQUIREMENT.—In the case of  
18          architectural and engineering services and construc-  
19          tion design to be undertaken under this subsection  
20          for which the estimated cost exceeds \$1,000,000, the  
21          Secretary concerned shall notify the appropriate  
22          committees of Congress of the scope of the proposed  
23          project and the estimated cost of such services be-  
24          fore the initial obligation of funds for such services.  
25          The Secretary may then obligate funds for such

1 services only after the end of the 14-day period be-  
2 ginning on the date on which the notification is re-  
3 ceived by the committees in an electronic medium  
4 pursuant to section 480 of this title.”.

5 (b) CONFORMING AMENDMENTS TO WAIVE CONDI-  
6 TIONS APPLICABLE TO EXISTING AUTHORITY.—

7 (1) CONDITION ON AND SCOPE OF PROJECT AU-  
8 THORITY.—Section 2803(b) of such Act is amended  
9 by striking “project under this section” and insert-  
10 ing “project under subsection (a)”.

11 (2) CONGRESSIONAL NOTIFICATION.—Section  
12 2803(c) of such Act is amended by striking “carried  
13 out under this section” each place it appears in  
14 paragraphs (1) and (2) and inserting “carried out  
15 under subsection (a)”.

16 (3) DESCRIPTION OF AUTHORIZED  
17 PROJECTS.—Section 2803(d) of such Act is amended  
18 by striking “provided by this section” and inserting  
19 “provided by subsection (a)”.

20 (4) FUNDING LIMITATION.—Section 2803(e) of  
21 such Act is amended by striking “projects under this  
22 section” and inserting “projects under subsection  
23 (a)”.

24 (c) EXTENSION OF PERIOD OF AUTHORITY.—Section  
25 2803(g) of such Act, as redesignated by subsection (a)(1),

1 is amended by striking “October 1, 2020” and inserting  
2 “October 1, 2025”.

3 (d) **EFFECTIVE DATE.**—The amendments made by  
4 this section shall take effect as if included in the enact-  
5 ment of section 2803 of the National Defense Authoriza-  
6 tion Act for Fiscal Year 2016 (Public Law 114–92; 129  
7 Stat. 1169; 10 U.S.C. 2358 note).

8 **SEC. 2809. REPEAL OF LIMITATION ON CERTAIN GUAM**  
9 **PROJECT.**

10 (a) **REPEAL OF LIMITATION.**—Section 2879 of the  
11 National Defense Authorization Act for Fiscal Year 2018  
12 (Public Law 115–91; 131 Stat. 1874) is amended by strik-  
13 ing subsection (b).

14 (b) **EFFECTIVE DATE.**—The amendment made by  
15 subsection (a) shall take effect as if included in the enact-  
16 ment of the National Defense Authorization Act for Fiscal  
17 Year 2018.

18 **SEC. 2810. ENHANCING FORCE PROTECTION AND SAFETY**  
19 **ON MILITARY INSTALLATIONS.**

20 (a) **AUTHORIZATION OF ADDITIONAL PROJECTS.**—In  
21 addition to any other military construction projects au-  
22 thorized under this Act, the Secretary of the military de-  
23 partment concerned may carry out military construction  
24 projects to enhance force protection and safety on military

1 installations, as specified in the funding table in section  
2 4601.

3 (b) REQUIRING REPORT AS CONDITION OF AUTHOR-  
4 IZATION.—

5 (1) REPORT.—Not later than 90 days after the  
6 date of the enactment of this Act, the Secretary con-  
7 cerned shall submit a report to the congressional de-  
8 fense committees which describes the location, title,  
9 and cost, together with a Department of Defense  
10 Form 1391, for each project the Secretary proposes  
11 to carry out under this section.

12 (2) TIMING OF AVAILABILITY OF FUNDS.—No  
13 funds may be obligated or expended for a project  
14 under this section—

15 (A) unless the project is included in the re-  
16 port submitted under paragraph (1); and

17 (B) until the expiration of the 30-day pe-  
18 riod which begins on the date the Secretary  
19 concerned submits the report under paragraph  
20 (1).

21 (c) EXPIRATION OF AUTHORIZATION.—Section 2002  
22 shall apply with respect to the authorization of a military  
23 construction project under this section in the same man-  
24 ner as such section applies to the authorization of a  
25 project contained in titles XXI through XXVII.

1 **SEC. 2811. LIMITATION ON USE OF FUNDS FOR ACQUISITION OF FURNISHED ENERGY FOR NEW MEDICAL CENTER IN GERMANY.**

2  
3  
4 (a) **LIMITATION.**—No amounts authorized to be ap-  
5 propriated or made available to the Secretary of Defense  
6 or the Secretary of any military department may be used  
7 to enter into a contract for the acquisition of furnished  
8 energy for the new Rhine Ordnance Barracks Army Med-  
9 ical Center (hereafter in this section referred to as the  
10 “Medical Center”) until the Secretary of Defense submits  
11 to the congressional defense committees a written certifi-  
12 cation that—

13 (1) the source of furnished energy for the Med-  
14 ical Center will minimize the use of fuels sourced  
15 from inside the Russian Federation;

16 (2) the design of the Medical Center will utilize  
17 a diversified energy supply from a mixed-fuel system  
18 as the source of furnished energy to sustain mission  
19 critical operations during any sustained energy sup-  
20 ply disruption caused by the Russian Federation;  
21 and

22 (3) to the extent available, domestically-sourced  
23 fuels shall be the preferred source for furnished en-  
24 ergy for the Medical Center.

25 (b) **WAIVER FOR NATIONAL SECURITY INTERESTS.**—  
26 Subsection (a) shall not apply if the Secretary of Defense

1 certifies to the congressional defense committees that a  
2 waiver of such subsection is necessary to protect the na-  
3 tional security interests of the United States.

4 (c) DEFINITION.—In this section, the term “fur-  
5 nished energy” means energy furnished to the Medical  
6 Center in any form and for any purpose, including heat-  
7 ing, cooling, and electricity.

8 (d) EFFECTIVE DATE.—This section shall take effect  
9 on the date of the enactment of this Act.

## 10 **Subtitle B—Real Property and** 11 **Facilities Administration**

### 12 **SEC. 2821. FORCE STRUCTURE PLANS AND INFRASTRUC-** 13 **TURE CAPABILITIES NECESSARY TO SUP-** 14 **PORT THE FORCE STRUCTURE.**

15 (a) FORCE STRUCTURE PLANS AND INFRASTRUC-  
16 TURE CAPABILITIES.—Not later than the date on which  
17 the budget of the President for fiscal year 2021 is sub-  
18 mitted to Congress pursuant to section 1105 of title 31,  
19 United States Code, the Secretary of Defense shall develop  
20 and submit to the congressional defense committees the  
21 following:

22 (1) A force structure plan for each of the Army,  
23 Navy, Air Force, and Marine Corps and the reserve  
24 components of each military department that is in-  
25 formed by—

1 (A) an assessment by the Secretary of De-  
2 fense of the probable threats to the national se-  
3 curity of the United States; and

4 (B) end-strength levels and major military  
5 force units (including land force divisions, car-  
6 rier and other major combatant vessels, air  
7 wings, and other comparable units) authorized  
8 in the National Defense Authorization Act for  
9 Fiscal Year 2018 (Public Law 115–91).

10 (2) A categorical model of installation capabili-  
11 ties required to carry out the force structures plans  
12 described in paragraph (1) based on—

13 (A) the infrastructure, real property, and  
14 facilities capabilities required to carry out such  
15 plans; and

16 (B) the current military requirements of  
17 the major military units referred to in subpara-  
18 graph (B) of such paragraph.

19 (b) CONSISTENCY.—In developing force structure  
20 plans and categorical models of installation capabilities  
21 under subsection (a), the Secretary of Defense shall en-  
22 sure that the infrastructure, real property, and facilities  
23 of each of the military departments are categorized and  
24 measured in consistent terms so as to facilitate compari-  
25 sons.

1 (c) RELATIONSHIP TO INVENTORY.—Using the infor-  
2 mation in the force structure plans and categorical model  
3 developed under subsection (a), the Secretary of Defense  
4 shall submit to Congress each of the following:

5 (1) An assessment of the requirements nec-  
6 essary for carrying out the force structure plans  
7 compared to existing infrastructure, real property,  
8 and facilities capabilities, as documented in the  
9 records maintained under section 2721 of title 10,  
10 United States Code.

11 (2) An identification of any deficit or surplus  
12 capability in such infrastructure, real property, and  
13 facilities—

14 (A) for each military department; and

15 (B) for locations within the continental  
16 United States and territories.

17 **SEC. 2822. EXEMPTION OF DEPARTMENT OF DEFENSE OFF-**  
18 **SITE USE AND OFF-SITE REMOVAL ONLY**  
19 **NON-MOBILE PROPERTIES FROM CERTAIN**  
20 **EXCESS PROPERTY DISPOSAL REQUIRE-**  
21 **MENTS.**

22 (a) IN GENERAL.—Excess or unutilized or underuti-  
23 lized non-mobile property of the Department of Defense  
24 that is situated on non-excess land shall be exempt from  
25 the requirements of title V of the McKinney-Vento Home-

1 less Assistance Act (42 U.S.C. 11411 et seq.) upon a de-  
2 termination by the head of the department, agency, or  
3 other element of the Department having jurisdiction of the  
4 property that—

5 (1) the property is not feasible to relocate;

6 (2) the property is located in an area to which  
7 the general public is denied access in the interest of  
8 national security; and

9 (3) the exemption would facilitate the efficient  
10 disposal of excess property or result in more efficient  
11 real property management.

12 (b) CONSULTATION.—Before making an initial deter-  
13 mination under the authority in subsection (a), and peri-  
14 odically thereafter, the head of a department, agency, or  
15 other element of the Department shall consult with the  
16 Executive Director of the United States Interagency  
17 Council on Homelessness on types of non-mobile prop-  
18 erties that may be feasible for relocation and suitable to  
19 assist the homeless.

20 (c) REPORTING REQUIREMENT.—

21 (1) IN GENERAL.—If any head of a department,  
22 agency, or other element of the Department makes  
23 a determination under subsection (a) during a fiscal  
24 year, not later than 90 days after the end of that  
25 fiscal year, the Secretary of Defense shall submit to

1 the appropriate committees of Congress a report list-  
2 ing all the buildings, facilities, and other properties  
3 for which a determination was made under that sub-  
4 section during that fiscal year.

5 (2) FORM.—Any report under paragraph (1)  
6 shall be submitted in unclassified form, but may in-  
7 clude a classified annex.

8 (3) APPROPRIATE COMMITTEES OF CONGRESS  
9 DEFINED.—In this subsection, the term “appro-  
10 priate committees of Congress” means—

11 (A) the Committee on Armed Services, the  
12 Committee on Banking, Housing, and Urban  
13 Affairs, and the Committee on Homeland Secu-  
14 rity and Governmental Affairs of the Senate;  
15 and

16 (B) the Committee on Armed Services, the  
17 Committee on Financial Services, and the Com-  
18 mittee on Oversight and Government Reform of  
19 the House of Representatives.

20 (d) SUNSET.—The authority under subsection (a)  
21 shall expire on September 30, 2021.

1 **SEC. 2823. RETROFITTING EXISTING WINDOWS IN MILITARY**  
2 **FAMILY HOUSING UNITS TO BE EQUIPPED**  
3 **WITH FALL PREVENTION DEVICES.**

4 (a) AUTHORIZING FUNDING FOR RETROFITTING OR  
5 REPLACING WINDOWS.—Section 2879 of title 10, United  
6 States Code, as added by section 2817(a) of the National  
7 Defense Authorization Act for Fiscal Year 2018 (131  
8 Stat. 1851) is amended—

9 (1) in subsection (a)(1), by striking “subsection  
10 (b)” and inserting “subsection (c)”;

11 (2) by redesignating subsections (b) and (c) as  
12 subsections (c) and (d); and

13 (3) by inserting after subsection (a) the fol-  
14 lowing new subsection:

15 “(b) RETROFITTING OR REPLACING EXISTING WIN-  
16 DOWS.—

17 “(1) PROGRAM TO RETROFIT EXISTING WIN-  
18 DOWS.—The Secretary concerned shall carry out a  
19 program under which, in military family housing  
20 units acquired or constructed under this chapter  
21 which are not subject to the requirements of sub-  
22 section (a), windows which are described in sub-  
23 section (c), including windows designed for emer-  
24 gency escape or rescue, are retrofitted to be  
25 equipped with fall prevention devices described in  
26 paragraph (1) of subsection (a) or are replaced with

1 windows which are equipped with fall prevention de-  
2 vices described in such paragraph.

3 “(2) GRANTS.—The Secretary concerned may  
4 carry out the program under this subsection by mak-  
5 ing grants to private entities to retrofit or replace  
6 existing windows, in accordance with such criteria as  
7 the Secretary may establish by regulation.

8 “(3) USE OF OPERATIONS FUNDING.—The Sec-  
9 retary may carry out the program under this sub-  
10 section during a fiscal year with amounts made  
11 available to the Secretary for family housing oper-  
12 ations for such fiscal year.”.

13 (b) EFFECTIVE DATE.—The amendments made by  
14 this section shall apply with respect to fiscal year 2019  
15 and each succeeding fiscal year.

16 **SEC. 2824. UPDATING PROHIBITION ON USE OF CERTAIN**  
17 **ASSESSMENT OF PUBLIC SCHOOLS ON DE-**  
18 **PARTMENT OF DEFENSE INSTALLATIONS TO**  
19 **SUPERSEDE FUNDING OF CERTAIN**  
20 **PROJECTS.**

21 (a) UPDATE.—Paragraph (3) of section 2814(a) of  
22 the National Defense Authorization Act for Fiscal Year  
23 2017 (Public Law 114–328; 130 Stat. 2717), as added  
24 by section 2818(a) of the National Defense Authorization  
25 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.

1 1852), is amended by striking “33 projects” and inserting  
2 “38 projects”.

3 (b) EFFECTIVE DATE.—The amendment made by  
4 subsection (a) shall take effect as if included in the enact-  
5 ment of the National Defense Authorization Act for Fiscal  
6 Year 2018.

7 **SEC. 2825. STUDY OF FEASIBILITY OF USING 20-YEAR**  
8 **INTERGOVERNMENTAL SUPPORT AGREE-**  
9 **MENTS FOR INSTALLATION-SUPPORT SERV-**  
10 **ICES.**

11 (a) STUDY.—Each Secretary concerned shall conduct  
12 a study of the feasibility and desirability of entering into  
13 intergovernmental support agreements under section  
14 2679(a) of title 10, United States Code, for a term not  
15 to exceed 20 years.

16 (b) REPORT.—Not later than 180 days after the date  
17 of the enactment of this Act, each Secretary concerned  
18 shall submit to the congressional defense committees a re-  
19 port on the study conducted under subsection (a).

20 **SEC. 2826. REPRESENTATION OF INSTALLATION INTERESTS**  
21 **IN NEGOTIATIONS AND PROCEEDINGS WITH**  
22 **CARRIERS AND OTHER PUBLIC UTILITIES.**

23 Section 501(e) of title 40, United States Code, is  
24 amended—

1 (1) by redesignating paragraphs (1) and (2) as  
2 subparagraphs (A) and (B), respectively;

3 (2) by inserting “(1)” before “For transpor-  
4 tation”; and

5 (3) by adding at the end the following new  
6 paragraph:

7 “(2) Prior to representing any installation of the De-  
8 partment of Defense in any proceeding under this sub-  
9 section, the Administrator or any persons or entities act-  
10 ing on behalf of the Administrator shall—

11 “(A) notify the senior mission commander of  
12 the installation; and

13 “(B) solicit and represent the interests of the  
14 installation as determined by the installation’s senior  
15 mission commander.”.

16 **SEC. 2827. CLARIFICATION TO INCLUDE NATIONAL GUARD**  
17 **INSTALLATIONS IN READINESS AND ENVI-**  
18 **RONMENTAL PROTECTION INTEGRATION**  
19 **PROGRAM.**

20 (a) SENSE OF CONGRESS.—It is the sense of Con-  
21 gress that—

22 (1) State-owned National Guard installations  
23 have always qualified as military installations under  
24 section 2684a of title 10, United States Code; and

1           (2) State-owned National Guard installations  
2           should continue to qualify as military installations  
3           under section 2684a of that title.

4           (b) CLARIFICATION.—

5           (1) IN GENERAL.—Section 2684a(a) of title 10,  
6           United States Code, is amended by inserting “, as  
7           well as a State-owned National Guard installation,”  
8           after “military installation”.

9           (2) RETROACTIVE EFFECT.—The amendment  
10          made by paragraph (1) shall take effect as of De-  
11          cember 2, 2002.

## 12           **Subtitle C—Land Conveyances**

### 13           **SEC. 2841. LAND EXCHANGE, AIR FORCE PLANT 44, TUCSON,** 14           **ARIZONA.**

15          (a) LAND CONVEYANCE AND RESTORATION OF REAL  
16          PROPERTY IMPROVEMENTS AUTHORIZED.—In connection  
17          with a project planned by the Tuscon Airport Authority  
18          (in this section referred to as “TAA”) to relocate and ex-  
19          tend a parallel runway and make other airfield safety en-  
20          hancements at the Tucson International Airport, the Sec-  
21          retary of the Air Force (in this section referred to as the  
22          “Secretary”) may—

23           (1) convey to TAA all right, title, and interest  
24           of the United States in and to all or any part of a  
25           parcel of real property, including any improvements

1       thereon, consisting of approximately 58 acres on Air  
2       Force Plant 44, Arizona, and located adjacent to  
3       Tucson International Airport;

4           (2) agree to terminate all or a portion of any  
5       deed restrictions made for the benefit of the United  
6       States that limit construction on Tucson Inter-  
7       national Airport within 750 feet of the Airport's  
8       southwest property boundary with Air Force Plant  
9       44; and

10          (3) using cash or in-kind consideration as pro-  
11       vided in subsection (b)—

12           (A) construct new explosives storage facili-  
13       ties to replace the explosives storage facilities  
14       located on the land described in paragraph (1)  
15       and explosives storage facilities located on Air  
16       Force Plant 44 within the end-of-runway clear  
17       zone associated with the TAA airfield enhance-  
18       ment project; and

19           (B) construct new fencing as necessary to  
20       accommodate the changes in the boundary of  
21       Air Force Plant 44.

22       (b) CONSIDERATION.—As consideration for the land  
23       conveyance, deed restriction termination, replacement of  
24       real property improvements, and installation of fencing  
25       authorized under subsection (a), the following consider-

1 ation must be received by the United States before the  
2 Secretary may make any conveyance or termination of real  
3 property interests of the United States as described in  
4 subsection (a):

5 (1) All right, title, and interest of the owner or  
6 owners thereof to the parcels of real property con-  
7 sisting of approximately 160 acres directly adjacent  
8 to the south boundary of Air Force Plant 44.

9 (2) The cost to the Secretary, in accordance  
10 with current design standards, of—

11 (A) replacing the real property structures  
12 on Air Force Plant 44 made unusable due to  
13 the land transfers and termination of deed re-  
14 strictions, with structures of at least equivalent  
15 capacity and functionality; and

16 (B) installing the necessary boundary fence-  
17 ing due to the changes in the boundary of Air  
18 Force Plant 44.

19 (c) DIRECT PAYMENT OF CONSIDERATION TO GOV-  
20 ERNMENT CONTRACTORS.—The Secretary may require  
21 that any cash consideration to be received under this sec-  
22 tion be paid, directly or through the Air Force design and  
23 construction agent, to the contractors performing design  
24 or construction of the real property improvements de-  
25 scribed in subsection (a)(3).

1 (d) PAYMENT OF COSTS OF CONVEYANCES.—

2 (1) PAYMENT REQUIRED.—The Secretary may  
3 require TAA to cover costs to be incurred by the  
4 Secretary to carry out the land exchange and other  
5 transactions authorized under this section, or to re-  
6 imburse the Secretary for such costs, including sur-  
7 vey costs, appraisal costs, costs related to environ-  
8 mental documentation, and other administrative  
9 costs related to the conveyances. If amounts are col-  
10 lected from TAA in advance of the Secretary incur-  
11 ring the actual costs, and the amount collected ex-  
12 ceeds the costs actually incurred by the Secretary to  
13 carry out such transactions, the Secretary shall re-  
14 fund the excess amount to TAA.

15 (2) TREATMENT OF AMOUNTS RECEIVED.—  
16 Amounts received as reimbursements under para-  
17 graph (1) shall be used in accordance with section  
18 2695(c) of title 10, United States Code.

19 (e) DESCRIPTION OF PROPERTY.—The exact acreage  
20 and legal description of the real property to be exchanged  
21 under this section shall be determined by a survey satis-  
22 factory to the Secretary.

23 (f) ADDITIONAL TERMS AND CONDITIONS.—The Sec-  
24 retary may require such additional terms and conditions  
25 in connection with the land exchange and other trans-

1 actions under this section as the Secretary considers ap-  
2 propriate to protect the interests of the United States.  
3 Without limiting the foregoing, the Secretary may estab-  
4 lish a deed restriction on any part of the 58 acres de-  
5 scribed in subsection (a)(1) to accommodate existing  
6 Quantity Distance arcs.

7 **SEC. 2842. AUTHORITY FOR TRANSFER OF ADMINISTRA-**  
8 **TIVE JURISDICTION OVER CERTAIN LANDS,**  
9 **MARINE CORPS AIR GROUND COMBAT CEN-**  
10 **TER TWENTYNINE PALMS, CALIFORNIA, AND**  
11 **MARINE CORPS AIR STATION YUMA, ARI-**  
12 **ZONA.**

13 (a) MARINE CORPS AIR GROUND COMBAT CENTER  
14 TWENTYNINE PALMS, CALIFORNIA.—

15 (1) AUTHORITY FOR TRANSFER.—Subject to  
16 paragraph (2), the Secretary of the Navy may trans-  
17 fer to the Secretary of the Interior, at no cost, ad-  
18 ministrative jurisdiction of approximately 2,105  
19 acres of non-contiguous parcels of land within the  
20 Shared Use Area of the Marine Corps Air Ground  
21 Combat Center Twentynine Palms, California.

22 (2) CONDITION FOR TRANSFER.—The Secretary  
23 of the Navy may carry out the transfer under this  
24 subsection only if the Secretary of the Navy and the  
25 Secretary of the Interior each determine that the

1 transfer is in the public interest and will be for the  
2 benefit of the Department of the Navy and the De-  
3 partment of the Interior, respectively.

4 (3) STATUS OF LAND AFTER TRANSFER.—Upon  
5 completion of the transfer under this subsection, the  
6 land over which the Secretary of the Interior obtains  
7 administrative jurisdiction shall become public land  
8 withdrawn and reserved under section 2941 of the  
9 National Defense Authorization Act for Fiscal Year  
10 2014 (Public Law 113–66; 127 Stat. 1034), and  
11 shall be managed in accordance with section  
12 2942(b)(1) of such Act (Public Law 113–66; 127  
13 Stat. 1036), in the same manner as other lands in  
14 the Shared Use Area.

15 (4) SHARED USE AREA DEFINED.—In this sub-  
16 section, the term “Shared Use Area” means the  
17 area described in section 2941(b)(2) of the National  
18 Defense Authorization Act for Fiscal Year 2014  
19 (Public Law 113–66; 127 Stat. 1035).

20 (b) MARINE CORPS AIR STATION YUMA, ARIZONA.—

21 (1) AUTHORITY FOR TRANSFER.—Subject to  
22 paragraph (2), the Secretary of the Interior may  
23 transfer to the Secretary of the Navy, at no cost, ad-  
24 ministrative jurisdiction of approximately 256 acres  
25 of non-contiguous parcels of land within Marine

1 Corps Air Station Yuma, Arizona which are used by  
2 the Department of the Navy as of the day before the  
3 date of the enactment of this Act pursuant to any  
4 of the following authorities:

5 (A) Public Land Order Number 2766 of  
6 August 28, 1962.

7 (B) Expired Public Land Order Number  
8 6804 of October 16, 1990.

9 (C) Memorandum of Understanding Num-  
10 ber 14-06-300-1266 of July 5, 1962, between  
11 the Department of the Interior and the Depart-  
12 ment of the Navy.

13 (2) CONDITION FOR TRANSFER.—The Secretary  
14 of the Interior may carry out the transfer under this  
15 subsection only if the Secretary of the Interior and  
16 the Secretary of the Navy each determine that the  
17 transfer is in the public interest and will be for the  
18 benefit of the Department of the Interior and the  
19 Department of the Navy, respectively.

20 (3) WITHDRAWAL OF LAND AFTER TRANS-  
21 FER.—Upon completion of the transfer under this  
22 subsection, the land over which the Secretary of the  
23 Navy obtains administrative jurisdiction—

24 (A) shall cease to be public land; and

1 (B) for as long as the land is under the  
2 administrative jurisdiction of the Secretary of  
3 the Navy or the Secretary of any other military  
4 department, shall be withdrawn from all forms  
5 of entry, appropriation, or disposal under the  
6 public land laws, from location, entry, and pat-  
7 ent under the mining laws, and from disposition  
8 under all laws relating to mineral interests and  
9 to mineral and geothermal leasing.

10 **SEC. 2843. ENVIRONMENTAL RESTORATION AND FUTURE**  
11 **CONVEYANCE OF PORTION OF FORMER**  
12 **MARE ISLAND FIRING RANGE, VALLEJO,**  
13 **CALIFORNIA.**

14 (a) RESTORATION REQUIRED AS RESULT OF PRE-  
15 VIOUS REMEDIATION.—As soon as practicable, the Sec-  
16 retary of the Navy shall take such steps as may be re-  
17 quired to fill in depressions in the Mare Island property  
18 which resulted from environmental remediation carried  
19 out by the Department of the Navy prior to the date of  
20 the enactment of this section.

21 (b) MITIGATION OF WETLANDS.—

22 (1) METHOD OF MITIGATION.—If the refilling  
23 of wetlands on the Mare Island property requires  
24 mitigation, the Secretary of the Navy shall conduct

1 such mitigation in accordance with relevant Federal,  
2 State and local environmental laws.

3 (2) COORDINATION OVER CERTAIN PORTION OF  
4 PROPERTY.—To the extent that the refilling of wet-  
5 lands on the Mare Island property requires mitiga-  
6 tion on any portion of such property which is subject  
7 to a reversionary interest of the State of California,  
8 the Secretary shall coordinate with the California  
9 State Lands Commission to determine how to best  
10 meet the regulatory requirements applicable to the  
11 mitigation of such wetlands.

12 (c) REPORT ON COMPLIANCE AND FUTURE CONVEY-  
13 ANCE.—Not later than 120 days after the date of the en-  
14 actment of this Act, the Secretary of the Navy shall sub-  
15 mit to the congressional defense committees a report de-  
16 scribing the process by which the Secretary plans to meet  
17 the requirements of subsections (a) and (b), as well as a  
18 proposal by the Secretary to convey the Mare Island prop-  
19 erty (or some portion thereof) to the State of California  
20 or units of local government in the State of California.

21 (d) DEFINITION.—In this section, the “Mare Island  
22 property” is the parcel of real property consisting of ap-  
23 proximately 48 acres located within the former Mare Is-  
24 land Naval Shipyard which was formerly used as a firing  
25 range by the Department of the Navy.

1 **SEC. 2844. RELEASE OF RESTRICTIONS, UNIVERSITY OF**  
2 **CALIFORNIA, SAN DIEGO.**

3 (a) RELEASE.—The Secretary of the Navy may, upon  
4 receipt of full consideration as provided in subsection (b),  
5 release to the Regents of the University of California (in  
6 this section referred to as the “University of California”)  
7 all remaining right, title, and interest of the United  
8 States, including restrictions on use imposed by deed or  
9 otherwise and reversionary rights, in and to a parcel of  
10 real property consisting of approximately 495 acres that  
11 comprises part of the San Diego campus of the University  
12 of California.

13 (b) CONSIDERATION.—

14 (1) CONSIDERATION REQUIRED.—As consider-  
15 ation for the release under subsection (a), the Uni-  
16 versity of California shall provide an amount that is  
17 acceptable to the Secretary of the Navy, whether by  
18 cash payment, in-kind consideration as described  
19 under paragraph (2), or a combination thereof, at  
20 such time as the Secretary may require. The consid-  
21 eration under this paragraph shall be based on an  
22 appraisal approved by the Secretary of the value to  
23 the Department of the Navy of the restrictions re-  
24 leased under subsection (a), except that in deter-  
25 mining the value of such restrictions, there shall be  
26 excluded the value of any existing improvements to

1 the property made by or on behalf of the University  
2 of California and the value of the University of Cali-  
3 fornia's existing rights to the property.

4 (2) IN-KIND CONSIDERATION.—In-kind consid-  
5 eration provided by the University of California  
6 under paragraph (1) may include goods or services  
7 that benefit the Department of the Navy and may  
8 take into consideration the value which has accrued  
9 to the Department of the Navy from the San Diego  
10 campus of the University of California's research,  
11 education, and clinical care activities, as well as the  
12 contracts, grants, and other collaborations between  
13 the Department of the Navy and the San Diego  
14 campus of the University of California.

15 (3) TREATMENT OF CONSIDERATION RE-  
16 CEIVED.—Consideration in the form of cash pay-  
17 ment received by the Secretary under paragraph (1)  
18 shall be deposited in the separate fund in the Treas-  
19 ury described in section 572(a)(1) of title 40, United  
20 States Code.

21 (c) PAYMENT OF COSTS OF RELEASE.—

22 (1) PAYMENT REQUIRED.—The Secretary of  
23 the Navy shall require the University of California  
24 to cover costs to be incurred by the Secretary, or to  
25 reimburse the Secretary for such costs incurred by

1 the Secretary, to carry out the release under sub-  
2 section (a), including survey costs, costs for environ-  
3 mental documentation related to the release, and  
4 any other administrative costs related to the release.  
5 If amounts are collected from the University of Cali-  
6 fornia in advance of the Secretary incurring the ac-  
7 tual costs, and the amount collected exceeds the  
8 costs actually incurred by the Secretary to carry out  
9 the release, the Secretary shall refund the excess  
10 amount to the University of California.

11 (2) TREATMENT OF AMOUNTS RECEIVED.—  
12 Amounts received as reimbursement under para-  
13 graph (1) shall be credited to the fund or account  
14 that was used to cover the costs incurred by the Sec-  
15 retary in carrying out the release under subsection  
16 (a) or, if the period of availability of obligations for  
17 that appropriation has expired, to the appropriations  
18 of a fund that is currently available to the Secretary  
19 for the same purpose. Amounts so credited shall be  
20 merged with amounts in such fund or account and  
21 shall be available for the same purposes, and subject  
22 to the same conditions and limitations, as amounts  
23 in such fund or account.

24 (d) DESCRIPTION OF PROPERTY.—The exact acreage  
25 and legal description of the real property that is the sub-

1 ject of the release under subsection (a) shall be determined  
2 by a survey or other documentation satisfactory to both  
3 the Secretary of the Navy and the University of California.

4 (e) **ADDITIONAL TERMS AND CONDITIONS.**—The  
5 Secretary of the Navy may require such additional terms  
6 and conditions in connection with the release under sub-  
7 section (a) as the Secretary considers appropriate to pro-  
8 tect the interests of the United States.

9 **SEC. 2845. LAND EXCHANGE, NAVAL SUPPORT ACTIVITY,**  
10 **WASHINGTON NAVY YARD, DISTRICT OF CO-**  
11 **LUMBIA.**

12 (a) **EXCHANGE OF PROPERTY INTERESTS AUTHOR-**  
13 **IZED.**—

14 (1) **INTERESTS TO BE CONVEYED.**—The Sec-  
15 retary of the Navy (Secretary) may convey all right,  
16 title, and interest of the United States in and to one  
17 or more parcels of real property under the jurisdic-  
18 tion of the Secretary, including any improvements  
19 thereon and, without limitation, any leasehold inter-  
20 ests of the United States therein, as the Secretary  
21 considers appropriate to protect the interests of the  
22 United States.

23 (2) **INTERESTS TO BE ACQUIRED.**—In exchange  
24 for the property interests described in paragraph  
25 (1), the Secretary may accept parcels at the South-

1 east Federal Center in the vicinity of the Wash-  
2 ington Navy Yard, replacement of facilities being  
3 conveyed of equal value and similar utility, as deter-  
4 mined by the Secretary, and any additional consider-  
5 ation the Secretary feels is appropriate, including  
6 maintenance, repair, or restoration of any real prop-  
7 erty, facility, or infrastructure under the jurisdiction  
8 of the Secretary.

9 (b) VALUATION.—The value of the property interests  
10 to be exchanged by the Secretary described in subsections  
11 (a)(1) and (a)(2) shall be determined—

12 (1) by an independent appraiser selected by the  
13 Secretary; and

14 (2) in accordance with the Uniform Appraisal  
15 Standards for Federal Land Acquisitions and the  
16 Uniform Standards of Professional Appraisal Prac-  
17 tice.

18 (c) EQUALIZATION PAYMENTS.—

19 (1) TO THE SECRETARY.—If the fair market  
20 value of the property interests described in sub-  
21 section (a)(1) is greater than the fair market value  
22 of the property interests described in subsection  
23 (a)(2), the person to whom such interests are con-  
24 veyed shall pay to the Department of the Navy an

1 amount equal to the differences in such fair market  
2 values.

3 (2) NO EQUALIZATION.—If the fair market  
4 value of the property interests described in sub-  
5 section (a)(2) is greater than the fair market value  
6 of the property interests described in subsection  
7 (a)(1), the Secretary shall not make a cash equali-  
8 zation payment to equalize the values.

9 (d) PAYMENT OF COSTS OF CONVEYANCE.—

10 (1) PAYMENT REQUIRED.—The Secretary shall  
11 require the other party in this land exchange to  
12 cover costs to be incurred by the Secretary, or to re-  
13 imburse the Secretary for such costs incurred, to  
14 carry out the land exchange under this section, in-  
15 cluding survey costs, costs for environmental docu-  
16 mentation, other administrative costs related to the  
17 land exchange, and all costs associated with reloca-  
18 tion of activities and facilities, including equipment,  
19 to the replacement location. If amounts collected are  
20 in advance of the Secretary incurring actual costs,  
21 and the amount collected exceeds the costs actually  
22 incurred by the Secretary to carry out the land ex-  
23 change, the Secretary shall refund the excess  
24 amount.



1 as the “Village”), all right, title, and interest of the United  
2 States in and to a parcel of real property, including im-  
3 provements thereon, consisting of approximately 80 acres  
4 located adjacent to Eglin Air Force Base, Florida, for the  
5 purpose of independent-living and assisted-living apart-  
6 ments for veterans. The conveyance under this subsection  
7 is subject to valid existing rights.

8 (b) CONSIDERATION REQUIRED.—As consideration  
9 for the conveyance under subsection (a), the Village shall  
10 provide an amount that is equivalent to the fair market  
11 value to the Department of the Air Force of the right,  
12 title, and interest conveyed under such subsection, based  
13 on an appraisal approved by the Secretary of the Air  
14 Force. The consideration under this paragraph may be  
15 provided by cash payment, in-kind consideration, or a  
16 combination thereof, at such time as the Secretary may  
17 require.

18 (c) PAYMENT OF COSTS OF CONVEYANCE.—

19 (1) PAYMENT REQUIRED.—The Secretary may  
20 require the Village to cover all costs (except costs for  
21 environmental remediation of the property) to be in-  
22 curred by the Secretary, or to reimburse the Sec-  
23 retary for costs incurred by the Secretary, to carry  
24 out the conveyance under this section, including sur-  
25 vey costs, costs for environmental documentation,

1 and any other administrative costs related to the  
2 conveyance. If amounts are collected from the Vil-  
3 lage in advance of the Secretary incurring the actual  
4 costs, and the amount collected exceeds the costs ac-  
5 tually incurred by the Secretary to carry out the  
6 conveyance, the Secretary shall refund the excess  
7 amount to the Village.

8 (2) TREATMENT OF AMOUNTS RECEIVED.—

9 Amounts received under paragraph (1) as reim-  
10 bursement for costs incurred by the Secretary to  
11 carry out the conveyance under subsection (a) shall  
12 be credited to the fund or account that was used to  
13 cover the costs incurred by the Secretary in carrying  
14 out the conveyance, or to an appropriate fund or ac-  
15 count currently available to the Secretary for the  
16 purposes for which the costs were paid. Amounts so  
17 credited shall be merged with amounts in such fund  
18 or account and shall be available for the same pur-  
19 poses, and subject to the same conditions and limita-  
20 tions, as amounts in such fund or account.

21 (d) DESCRIPTION OF PROPERTY.—The exact acreage  
22 and legal description of the property to be conveyed under  
23 subsection (a) shall be determined by a survey satisfactory  
24 to the Secretary.

1 (e) ADDITIONAL TERMS AND CONDITIONS.—The  
2 Secretary may require such additional terms and condi-  
3 tions in connection with the conveyance under subsection  
4 (a) as the Secretary considers appropriate to protect the  
5 interests of the United States.

6 **SEC. 2847. PUBLIC INVENTORY OF GUAM LAND PARCELS**  
7 **FOR TRANSFER TO GOVERNMENT OF GUAM.**

8 (a) NET-NEGATIVE INVENTORY OF LAND PAR-  
9 CELS.—

10 (1) MAINTENANCE AND UPDATE OF INVEN-  
11 TORY.—The Secretary of the Navy shall maintain  
12 and update regularly an inventory of all land parcels  
13 located on Guam which meet each of the following  
14 conditions:

15 (A) The parcels are currently owned by the  
16 United States Government and are under the  
17 administrative jurisdiction of the Department of  
18 the Navy.

19 (B) The Secretary has determined or ex-  
20 pects to determine the parcels to be excess to  
21 the needs of the Department of the Navy.

22 (C) Under Federal law, including Public  
23 Law 106–504 (commonly known as the “Guam  
24 Omnibus Opportunities Act”; 40 U.S.C. 521

1 note), the parcels are eligible to be transferred  
2 to the territorial government.

3 (2) INFORMATION REQUIRED.—For each parcel  
4 included in the inventory under paragraph (1), the  
5 Secretary shall specify—

6 (A) the approximate size of the parcel;

7 (B) an estimate of the fair market value of  
8 the parcel, if available or as practicable;

9 (C) the date on which the Secretary deter-  
10 mined, or the date by which the Secretary ex-  
11 pects to determine, that the parcel is excess and  
12 made eligible for transfer to the territorial gov-  
13 ernment; and

14 (D) the citation of the specific legal au-  
15 thority (including the Guam Omnibus Opportu-  
16 nities Act) under which the Secretary will  
17 transfer the parcel to the territorial government  
18 or otherwise dispose of the parcel.

19 (b) PARCELS REQUIRED TO BE INCLUDED.—The  
20 Secretary shall include in the inventory under this section  
21 each of the following parcels, as described in the 2017 Net  
22 Negative Report:

23 (1) The Tanguisson Power Plant (5 acres), list-  
24 ed as Site 14 in the Report.

1           (2) The Harmon Substation Annex (9.9 acres),  
2 listed as Site 15 in the Report.

3           (3) The Piti Power Plant and Substation (15.5  
4 acres), listed as Site 38 in the Report.

5           (4) Apra Heights Lot 403–1 (0.5 acres), listed  
6 as Site 55 in the Report.

7           (5) The Agana Power Plant and Substation  
8 (5.9 acres), listed as Site 54 in the Report.

9           (6) The ACEORP Maui Tunnel-Tamuning  
10 Route 1 behind Old Telex (3.7 acres), listed as Site  
11 23 in the Report.

12           (7) The Parcel South of Camp Covington, Par-  
13 cel 7 (60.8 acres), listed as Site 49 in the Report.

14           (8) The NCTS Beach Lot, adjacent to the  
15 Tanguisson Power Plant (13.3 acres), listed as Site  
16 13 in the Report.

17           (9) The Hoover Park Annex (also known as  
18 “Old USO Beach”; 6 acres), listed as Site 37 in the  
19 Report.

20           (10) Parcel “C” Marbo Cave Annex (5 acres),  
21 listed as Site 12 in the Report.

22           (c) INCLUSION OF ADDITIONAL PARCELS IN INVEN-  
23 TORY.—

24           (1) REQUEST BY GOVERNOR.—The Governor of  
25 the territory of Guam may submit a request to the

1 Secretary to add parcels to the inventory maintained  
2 under subsection (a), and shall specify in any such  
3 request any public benefit uses or public purposes  
4 proposed by the Governor for the parcel involved,  
5 pursuant to the Guam Omnibus Opportunities Act  
6 or any other relevant Federal law.

7 (2) CONSIDERATION BY SECRETARY.—Not later  
8 than 180 days of receipt of a request from the Gov-  
9 ernor under paragraph (1), the Secretary shall re-  
10 view the request and provide a response in writing  
11 to the Governor as to whether the Secretary will  
12 agree to the request to include the specific land par-  
13 cel in the inventory maintained under subsection (a).  
14 If the Secretary denies the request, the Secretary  
15 shall provide a detailed written justification to the  
16 Governor that explains the continuing military need  
17 for the parcel, if any, and the date on which the Sec-  
18 retary expects that military need to cease, if ever.

19 (d) EXCLUSION OF PARCELS.—The Secretary shall  
20 not include in the inventory maintained under this section  
21 any parcel transferred to the government of Guam prior  
22 to the date of the enactment of this Act, without regard  
23 to whether or not the parcel is included in the inventory  
24 under subsection (b).

1 (e) PUBLIC NOTIFICATION.—The Secretary shall  
2 publish and update on a public website of the United  
3 States Government the following information:

4 (1) The inventory maintained under subsection  
5 (a), including the parcels required to be included in  
6 such inventory under subsection (b).

7 (2) All requests submitted by the Governor  
8 under subsection (c), including any proposed public  
9 benefit use or public purpose specified in any such  
10 request.

11 (3) A copy of each response provided by the  
12 Secretary to each request submitted by the Governor  
13 under subsection (c).

14 (4) A description of each parcel of land trans-  
15 ferred by the Secretary to the territorial government  
16 after January 20, 2011, including the following:

17 (A) The approximate size of the parcel.

18 (B) An estimate of the fair market value  
19 of the parcel, if available or as practicable.

20 (C) The specific legal authority under  
21 which the Secretary transferred the parcel to  
22 the territorial government.

23 (D) The date the parcel was transferred to  
24 the territorial government.

1 (f) DEFINITIONS.—In this section, the following defi-  
2 nitions apply:

3 (1) 2017 NET NEGATIVE REPORT.—The term  
4 “2017 Net Negative Report” means the report sub-  
5 mitted by the Secretary of the Navy, on behalf of  
6 the Secretary of Defense, under section 2208 of the  
7 National Defense Authorization Act for Fiscal Year  
8 2017 (Public Law 114–328; 130 Stat. 2695) regard-  
9 ing the status of the implementation of the “net  
10 negative” policy regarding the total number of acres  
11 of the real property controlled by the Department of  
12 the Navy or the Department of Defense on Guam.

13 (2) GOVERNOR.—The term “Governor” means  
14 the Governor of the territory of Guam.

15 (3) SECRETARY.—The term “Secretary” means  
16 the Secretary of the Navy.

17 (4) TERRITORIAL GOVERNMENT.—The term  
18 “territorial government” means the government of  
19 Guam established under the Organic Act of Guam  
20 (48 U.S.C. 1421 et seq.).

21 **SEC. 2848. MODIFICATION OF CONDITIONS ON LAND CON-**  
22 **VEYANCE, JOLIET ARMY AMMUNITION**  
23 **PLANT, ILLINOIS.**

24 Section 2922(c) of the Military Construction Author-  
25 ization Act for Fiscal Year 1996 (division B of Public Law

1 104–106; 110 Stat. 605), as amended by section 2842 of  
2 the Military Construction Authorization Act for Fiscal  
3 Year 2000 (division B of Public Law 106–65; 113 Stat.  
4 863) and section 2838 of the Military Construction Au-  
5 thorization Act for Fiscal Year 2015 (division B of Public  
6 Law 113–291; 128 Stat. 3710), is amended—

7 (1) by striking “(1) The conveyance” and in-  
8 sserting “The conveyance”; and

9 (2) by striking paragraph (2).

10 **SEC. 2849. LAND CONVEYANCE, NAVAL ACADEMY DAIRY**  
11 **FARM, GAMBRILLS, MARYLAND.**

12 (a) CONVEYANCE AUTHORIZED.—Notwithstanding  
13 section 6976 of title 10, United States Code, the Secretary  
14 of the Navy may convey and release to Anne Arundel  
15 County, Maryland (in this section referred to as the  
16 “County”) all right, title, and interest of the United States  
17 in and to the real property, including any improvements  
18 thereon, consisting of approximately 40 acres at the prop-  
19 erty commonly referred to as the Naval Academy dairy  
20 farm located in Gambrills, Maryland (in this section re-  
21 ferred to as the “Dairy Farm”), for use in support of a  
22 public park, recreational area, and additional public uses.

23 (b) CONSIDERATION.—

24 (1) CONSIDERATION REQUIRED.—As consider-  
25 ation for the conveyance and release under sub-

1 section (a), the County shall provide an amount that  
2 is equivalent to the fair market value to the Depart-  
3 ment of the Navy of the right, title, and interest  
4 conveyed and released under such subsection, based  
5 on an appraisal approved by the Secretary of the  
6 Navy. The consideration under this paragraph may  
7 be provided by cash payment, in-kind consideration,  
8 or a combination thereof, at such time as the Sec-  
9 retary may require.

10 (2) IN-KIND CONSIDERATION.—In-kind consid-  
11 eration provided by the County under paragraph (1)  
12 may include the acquisition, construction, provision,  
13 improvement, maintenance, repair, or restoration  
14 (including environmental restoration), or combina-  
15 tion thereof, of any facility, real property, or infra-  
16 structure under the jurisdiction of the Secretary.

17 (3) TREATMENT OF CONSIDERATION RE-  
18 CEIVED.—Consideration in the form of cash pay-  
19 ment received by the Secretary under paragraph (1)  
20 shall be retained by the Superintendent of the Naval  
21 Academy and shall be available to cover expenses re-  
22 lated to the Dairy Farm, including reimbursing non-  
23 appropriated fund instrumentalities of the Naval  
24 Academy.

1 (c) PAYMENT OF COST OF CONVEYANCE AND RE-  
2 LEASE.—

3 (1) PAYMENT REQUIRED.—The Secretary of  
4 the Navy shall require the County to pay costs to be  
5 incurred by the Secretary, or to reimburse the Sec-  
6 retary for such costs incurred by the Secretary, to  
7 carry out the conveyance and release under sub-  
8 section (a), including survey costs, appraisal costs,  
9 costs for environmental documentation related to the  
10 conveyance and release, and any other administra-  
11 tive costs related to the conveyance and release. If  
12 amounts are collected from the County in advance of  
13 the Secretary incurring the actual costs, and the  
14 amount collected exceeds the costs actually incurred  
15 by the Secretary to carry out the conveyance and re-  
16 lease or any costs incurred by the Secretary to ad-  
17 minister the County's lease of the Dairy Farm, the  
18 Secretary shall refund the excess amount to the  
19 County.

20 (2) TREATMENT OF AMOUNTS RECEIVED.—  
21 Amounts received as reimbursement under para-  
22 graph (1) shall be credited to the fund or account  
23 that was used to pay the costs incurred by the Sec-  
24 retary in carrying out the conveyance and release  
25 under subsection (a) or, if the period of availability

1 of obligations for that appropriation has expired, to  
2 the appropriations of fund that is currently available  
3 to the Secretary for the same purpose. Amounts so  
4 credited shall be merged with amounts in such fund  
5 or account and shall be available for the same pur-  
6 poses, and subject to the same conditions and limita-  
7 tions, as amounts in such fund or account.

8 (d) DESCRIPTION OF PROPERTY.—The exact acreage  
9 and legal description of the property which is subject to  
10 conveyance and release under subsection (a) shall be de-  
11 termined by a survey satisfactory to the Secretary of the  
12 Navy.

13 (e) ADDITIONAL TERMS AND CONDITIONS.—The  
14 Secretary of the Navy may require such additional terms  
15 and conditions in connection with the conveyance and re-  
16 lease under subsection (a) as the Secretary considers ap-  
17 propriate to protect the interests of the United States.

18 (f) NO EFFECT ON EXISTING LEASES GOVERNING  
19 PROPERTY NOT SUBJECT TO CONVEYANCE.—Nothing in  
20 this section or in any conveyance and release carried out  
21 pursuant to this section may be construed to affect the  
22 terms, conditions, or applicability of any existing agree-  
23 ment entered into between the Country and the Secretary  
24 of the Navy which governs the use of any portion of the

1 Dairy Farm which is not subject to conveyance and release  
2 under this section.

3 **SEC. 2850. TECHNICAL CORRECTION OF DESCRIPTION OF**  
4 **LIMESTONE HILLS TRAINING AREA LAND**  
5 **WITHDRAWAL AND RESERVATION, MONTANA.**

6 Section 2931(b) of the Military Construction Author-  
7 ization Act for Fiscal Year 2014 (division B of Public Law  
8 113–66; 127 Stat. 1031) is amended by striking “18,644  
9 acres” and all that follows through “April 10, 2013” and  
10 inserting the following: “18,964 acres in Broadwater  
11 County, Montana, generally depicted as ‘Limestone Hills  
12 Training Area Land Withdrawal’ on the map entitled  
13 ‘Limestone Hills Training Area Land Withdrawal’, dated  
14 May 11, 2017”.

15 **SEC. 2851. LAND CONVEYANCE, WASATCH-CACHE NA-**  
16 **TIONAL FOREST, RICH COUNTY, UTAH.**

17 (a) LAND CONVEYANCE AUTHORIZED.—Subject to  
18 valid existing rights, not later than 6 months after the  
19 date of the enactment of this section, the Secretary of Ag-  
20 riculture shall convey, without consideration, to the Utah  
21 State University Research Foundation, (in this section re-  
22 ferred to as the “Foundation”) all right, title, and interest  
23 of the United States in and to a parcel of real property  
24 consisting of approximately 80 acres, including improve-  
25 ments thereon, located outside of the boundaries of the

1 Wasatch-Cache National Forest, Rich County, Utah, with-  
2 in Sections 19 and 30, Township 14 North, Range 5 East,  
3 Salt Lake Base and Meridian for the purpose of permit-  
4 ting the Foundation to use the property for scientific and  
5 educational purposes.

6 (b) REVERSIONARY INTEREST.—If the Secretary of  
7 Agriculture determines at any time that the real property  
8 conveyed under subsection (a) is not being used in accord-  
9 ance with the purpose of the conveyance specified in such  
10 subsection, all right, title and interest in and to such real  
11 property, including any improvements thereto, shall, at the  
12 option of the Secretary, revert to and become the property  
13 of the United States, and the United States shall have  
14 the right of immediate entry onto such real property. A  
15 determination by the Secretary under this subsection shall  
16 be made on the record after an opportunity for a hearing.

17 (c) PAYMENT OF COSTS OF CONVEYANCE.—

18 (1) PAYMENT REQUIRED.—The Secretary of  
19 Agriculture shall require the Foundation to cover the  
20 costs (except any costs for environmental remedi-  
21 ation of the property) to be incurred by the Sec-  
22 retary, or to reimburse the Secretary for such costs  
23 incurred by the Secretary, to carry out the convey-  
24 ance under subsection (a), including survey costs,  
25 costs for environmental documentation, and any

1 other administrative costs related to the conveyance.  
2 If amounts are collected from the Foundation in ad-  
3 vance of the Secretary incurring the actual costs,  
4 and the amount collected exceeds the costs actually  
5 incurred by the Secretary to carry out the convey-  
6 ance, the Secretary shall refund the excess amount  
7 to the Foundation.

8 (2) TREATMENT OF AMOUNTS RECEIVED.—  
9 Amounts received as reimbursement under para-  
10 graph (1) shall be credited to the fund or account  
11 that was used to cover those costs incurred by the  
12 Secretary in carrying out the conveyance. Amounts  
13 so credited shall be merged with amounts in such  
14 fund or account, and shall be available for the same  
15 purposes, and subject to the same conditions and  
16 limitations, as amounts in such fund or account.

17 (d) DESCRIPTION OF PROPERTY.—The exact acreage  
18 and legal description of the property to be conveyed under  
19 subsection (a) shall be determined by a survey satisfactory  
20 to the Secretary of Agriculture.

21 (e) ADDITIONAL TERMS AND CONDITIONS.—The  
22 Secretary of Agriculture may require such additional  
23 terms and conditions in connection with the conveyance  
24 under subsection (a) as the Secretary considers appro-  
25 priate to protect the interests of the United States.

1 **SEC. 2852. COMMEMORATION OF FREEDMAN'S VILLAGE.**

2 (a) **FREEDMAN'S VILLAGE GATE.**—The Secretary of  
3 the Army shall, as part of the southern expansion of Ar-  
4 lington National Cemetery, name the newly constructed  
5 gate located at the intersection of Hobson Drive and  
6 Southgate Road, “Freedman’s Village Gate”.

7 (b) **PERMANENT EASEMENT.**—The Secretary of the  
8 Army is directed to grant to Arlington County a perma-  
9 nent easement of no less than 0.1 acres of land within  
10 the right-of-way of Southgate Road to the south and west  
11 of Hobson Drive and west of the planned joint base access  
12 road that is also continuous with Foxcroft Heights Park  
13 for the purpose of commemorating Freedman’s Village.

14 (c) **RELOCATION OF COMMEMORATION IN EVENT LO-**  
15 **CATION IS USED FOR BURIAL PURPOSES.**—In the event  
16 Arlington National Cemetery subsequently acquires the  
17 property used for the commemoration described under  
18 subsection (b) for burial purposes, the Army shall relocate  
19 any commemoration of Freedman’s Village to an appro-  
20 priate location.

21 (d) **REIMBURSEMENT.**—The Secretary of Defense  
22 may accept reimbursement from Arlington County for any  
23 costs associated with commemorating Freedman’s Village.

1                   **Subtitle D—Other Matters**

2   **SEC. 2861. DEFENSE COMMUNITY INFRASTRUCTURE PILOT**  
3                   **PROGRAM.**

4           Section 2391 of title 10, United States Code, is  
5 amended—

6                   (1) by redesignating subsections (d) and (e) as  
7 subsections (e) and (f), respectively;

8                   (2) by inserting after subsection (c) the fol-  
9 lowing new subsection:

10           “(d) DEFENSE COMMUNITY INFRASTRUCTURE PILOT  
11 PROGRAM.—(1) The Secretary of Defense may make  
12 grants, conclude cooperative agreements, and supplement  
13 funds available under Federal programs administered by  
14 agencies other than the Department of Defense to assist  
15 State and local governments to address deficiencies in  
16 community infrastructure supportive of a military installa-  
17 tion, if the Secretary determines that such assistance will  
18 enhance the military value, resilience, or military family  
19 quality of life at such military installation.

20           “(2) The Secretary shall establish criteria for the se-  
21 lection of community infrastructure projects to receive as-  
22 sistance under paragraph (1). The criteria shall include  
23 a requirement that the State or local government agree  
24 to contribute not less than 30 percent of the funding for  
25 the community infrastructure project, unless the commu-

1 nity infrastructure project is located in a rural area, or  
2 for reasons related to national security, in which case the  
3 Secretary may waive the requirement for a State or local  
4 government contribution.

5 “(3) Amounts appropriated or otherwise made avail-  
6 able for assistance under paragraph (1) may remain avail-  
7 able until expended.

8 “(4) The authority under this subsection shall expire  
9 upon the expiration of the 10-year period which begins on  
10 the date of the enactment of the National Defense Author-  
11 ization Act for Fiscal Year 2019.”; and

12 (3) in subsection (e), as redesignated by para-  
13 graph (1), by adding at the end the following new  
14 paragraphs:

15 “(4) The term ‘community infrastructure’  
16 means any transportation project; school, hospital,  
17 police, fire, emergency response, or other community  
18 support facility; or water, waste-water, telecommuni-  
19 cations, electric, gas, or other utility infrastructure  
20 project that is located off of a military installation  
21 and owned by a State or local government.

22 “(5) The term ‘rural area’ means a city, town,  
23 or unincorporated area that has a population of not  
24 more than 50,000 inhabitants.”.

1 **SEC. 2862. STRATEGIC PLAN TO IMPROVE CAPABILITIES OF**  
2 **DEPARTMENT OF DEFENSE TRAINING**  
3 **RANGES AND INSTALLATIONS.**

4 (a) **PLAN REQUIRED.**—The Secretary of Defense  
5 shall develop and implement a comprehensive strategic  
6 plan to identify and address deficits in the capabilities of  
7 Department of Defense training ranges to support current  
8 and anticipated readiness requirements to execute the Na-  
9 tional Defense Strategy (NDS).

10 (b) **EVALUATION.**—As part of the preparation of the  
11 strategic plan, the Secretary shall conduct an evaluation  
12 of the following:

13 (1) The adequacy of current training range re-  
14 sources to include the ability to train against near-  
15 peer or peer threats in a realistic 5th Generation en-  
16 vironment.

17 (2) The adequacy of current training enablers  
18 to meet current and anticipated demands of the  
19 Armed Forces.

20 (c) **ELEMENTS.**—The strategic plan shall include the  
21 following:

22 (1) An integrated priority list of location-spe-  
23 cific proposals and/or infrastructure project prior-  
24 ities, with associated Department of Defense Form  
25 1391 documentation, required to both address any  
26 limitations or constraints on current Department re-

1 sources, including any climatically induced impacts  
2 or shortfalls, and achieve full spectrum training (in-  
3 tegrating virtual and constructive entities into live  
4 training) against a more technologically advanced  
5 peer adversary.

6 (2) Goals and milestones for tracking actions  
7 under the plan and measuring progress in carrying  
8 out such actions.

9 (3) Projected funding requirements for imple-  
10 menting actions under the plan.

11 (d) DEVELOPMENT AND IMPLEMENTATION.—The  
12 Under Secretary of Defense for Acquisition and  
13 Sustainment, as the principal staff assistant to the Sec-  
14 retary on installation management, shall have lead respon-  
15 sibility for developing and overseeing implementation of  
16 the strategic plan and for coordination of the discharge  
17 of the plan by components of the Department.

18 (e) REPORT ON IMPLEMENTATION.—Not later than  
19 April 1, 2020, the Secretary shall, through the Under Sec-  
20 retary of Defense for Acquisition and Sustainment, submit  
21 to Congress a report on the progress made in imple-  
22 menting this section, including the following:

23 (1) A description of the strategic plan.

24 (2) A description of the results of the evalua-  
25 tion conducted under subsection (b).

1           (3) Such recommendations as the Secretary  
2           considers appropriate with respect to improvements  
3           of the capabilities of training ranges and enablers.

4           (f) PROGRESS REPORTS.—Not later than April 1,  
5 2019, and annually thereafter for 3 years, the Secretary  
6 shall, through the Under Secretary, submit to Congress  
7 a report setting forth the following:

8           (1) A description of the progress made during  
9           the preceding fiscal year in implementing the stra-  
10          tegic plan.

11          (2) A description of any additional actions  
12          taken, or to be taken, to address limitations and  
13          constraints on training ranges and enablers.

14          (3) Assessments of individual training ranges  
15          addressing the evaluation conducted under sub-  
16          section (b).

17          (g) ADDITIONAL REPORT ELEMENT.—Each report  
18          under subsections (e) and (f) shall also include a list of  
19          significant modifications to training range inventory, such  
20          as range closures or expansions, during the preceding fis-  
21          cal year, including any limitations or impacts due to cli-  
22          matic conditions.

1 **SEC. 2863. RESTRICTIONS ON USE OF FUNDS FOR DEVEL-**  
2 **OPMENT OF PUBLIC INFRASTRUCTURE IN**  
3 **COMMONWEALTH OF NORTHERN MARIANA**  
4 **ISLANDS.**

5 (a) RESTRICTION.—If the Secretary of Defense de-  
6 termines that any grant, cooperative agreement, transfer  
7 of funds to another Federal agency, or supplement of  
8 funds available under Federal programs administered by  
9 agencies other than the Department of Defense will result  
10 in the development (including repair, replacement, renova-  
11 tion, conversion, improvement, expansion, acquisition, or  
12 construction) of public infrastructure in the Common-  
13 wealth of the Northern Mariana Islands (hereafter in this  
14 section referred to as the “Commonwealth”), the Sec-  
15 retary of Defense may not carry out such grant, transfer,  
16 cooperative agreement, or supplemental funding unless  
17 such grant, transfer, cooperative agreement, or supple-  
18 mental funding—

19 (1) is specifically authorized by law; and

20 (2) will be used to carry out a public infrastruc-  
21 ture project included in the report submitted under  
22 subsection (b).

23 (b) REPORT OF ECONOMIC ADJUSTMENT COM-  
24 MITTEE.—

25 (1) CONVENING OF COMMITTEE.—Not later  
26 than 90 days after the date of the enactment of this

1 Act, the Secretary of Defense, as the chair of the  
2 Economic Adjustment Committee established in Ex-  
3 ecutive Order No. 127887 (10 U.S.C. 2391 note),  
4 shall convene the Economic Adjustment Committee  
5 to consider assistance, including assistance to sup-  
6 port public infrastructure projects, necessary to sup-  
7 port changes in Department of Defense activities in  
8 the Commonwealth.

9 (2) REPORT.—Not later than 180 days after  
10 convening the Economic Adjustment Committee  
11 under paragraph (1), the Secretary shall submit to  
12 the congressional defense committees a report—

13 (A) describing the results of the Economic  
14 Adjustment Committee deliberations required  
15 by paragraph (1); and

16 (B) containing a description of any assist-  
17 ance the Committee determines to be necessary  
18 to support changes in Department of Defense  
19 activities in the Commonwealth, including any  
20 public infrastructure projects the Committee de-  
21 termines should be carried out with such assist-  
22 ance.

23 (c) PUBLIC INFRASTRUCTURE DEFINED.—In this  
24 section, the term “public infrastructure” means any util-  
25 ity, method of transportation, item of equipment, or facil-

1 ity under the control of a public entity or State or local  
2 government that is used by, or constructed for the benefit  
3 of, the general public.

4 **SEC. 2864. STUDY AND REPORT ON INCLUSION OF COLE-**  
5 **MAN BRIDGE, YORK RIVER, VIRGINIA, IN**  
6 **STRATEGIC HIGHWAY NETWORK.**

7 (a) STUDY.—The Commander of the United States  
8 Transportation Command shall conduct a study of the fea-  
9 sibility and desirability of including the George P. Cole-  
10 man Memorial Bridge on the York River, Virginia, and  
11 United States Route 17 in the Strategic Highway Net-  
12 work.

13 (b) REPORT.—Not later than 180 days after the date  
14 of the enactment of this Act, the Commander shall submit  
15 to the congressional defense committees a report on the  
16 results of the study conducted under subsection (a).

17 **SEC. 2865. DEFENSE ACCESS ROADS RELATING TO CLO-**  
18 **SURES DUE TO SEA LEVEL FLUCTUATION**  
19 **AND FLOODING.**

20 (a) AUTHORITY.—Section 210(a)(1) of title 23,  
21 United States Code, is amended by striking “closures or  
22 restrictions” and inserting “closures, closures due to mean  
23 sea level fluctuation and flooding, or restrictions”.

1 (b) USE OF FUNDS.—Section 210 of title 23, United  
2 States Code, is amended by adding at the end the fol-  
3 lowing:

4 “(i) Beginning in fiscal year 2019, funds appro-  
5 priated for the purposes of this section shall be available  
6 to pay the cost of repairing damage caused to, and for  
7 any infrastructure to mitigate the risks posed to, highways  
8 by recurrent flooding and sea level fluctuation, if the Sec-  
9 retary <sup>of Defense</sup> shall determine that continued access to a military  
10 installation has been impacted by past flooding and mean  
11 sea level fluctuation.”.

12 **SEC. 2866. AUTHORITY TO TRANSFER FUNDS FOR CON-**  
13 **STRUCTION OF INDIAN RIVER BRIDGE.**

14 Notwithstanding the limitation in section 2215 of  
15 title 10, United States Code, the Secretary of Defense may  
16 transfer to the Administrator of the National Aeronautics  
17 and Space Administration up to 50 percent of the shared  
18 costs of constructing the Indian River Bridge. The author-  
19 ity under this section shall expire on October 1, 2022.

20 **SEC. 2867. PLAN TO ALLOW INCREASED PUBLIC ACCESS TO**  
21 **THE NATIONAL NAVAL AVIATION MUSEUM**  
22 **AND BARRANCAS NATIONAL CEMETERY,**  
23 **NAVAL AIR STATION PENSACOLA.**

24 Not later than 90 days after the date of the enact-  
25 ment of this Act, the Secretary of the Navy shall submit

1 to the congressional defense committees a plan to allow  
 2 increased public access to the National Naval Aviation  
 3 Museum and Barrancas National Cemetery at Naval Air  
 4 Station Pensacola.

5 **TITLE XXIX—OVERSEAS CONTIN-**  
 6 **GENY OPERATIONS MILI-**  
 7 **TARY CONSTRUCTION**

- Sec. 2901. Authorized Army construction and land acquisition projects.
- Sec. 2902. Authorized Navy construction and land acquisition projects.
- Sec. 2903. Authorized Air Force construction and land acquisition projects.
- Sec. 2904. Authorized defense agencies construction and land acquisition projects.
- Sec. 2905. Authorization of appropriations.
- Sec. 2906. Restrictions on use of funds for planning and design costs of European Deterrence Initiative projects.

8 **SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND**  
 9 **ACQUISITION PROJECTS.**

10 The Secretary of the Army may acquire real property  
 11 and carry out the military construction projects for the  
 12 installations outside the United States, and in the  
 13 amounts, set forth in the following table:

**Army: Outside the United States**

<b>Country</b>	<b>Location</b>	<b>Amount</b>
Bulgaria .....	Nevo Selo FOS .....	\$5,200,000
Poland .....	Drawsko Pomorski Training Area .....	\$17,000,000
	Powidz Air Base .....	\$87,000,000
	Zagan Training Area .....	\$40,400,000
Romania .....	Mihail Kogalniceanu FOS .....	\$21,651,000

14 **SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND**  
 15 **ACQUISITION PROJECTS.**

16 The Secretary of the Navy may acquire real property  
 17 and carry out the military construction projects for the

1 installations outside the United States, and in the  
2 amounts, set forth in the following table:

**Navy: Outside the United States**

Country	Location	Amount
Greece .....	Naval Support Activity Souda Bay .....	\$47,850,000
Italy .....	Naval Air Station Sigonella .....	\$66,050,000
Spain .....	Naval Station Rota .....	\$21,590,000
United Kingdom .....	Lossiemouth .....	\$79,130,000

3 **SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND**  
4 **LAND ACQUISITION PROJECTS.**

5 The Secretary of the Air Force may acquire real  
6 property and carry out the military construction projects  
7 for the installations outside the United States, and in the  
8 amounts, set forth in the following table:

**Air Force: Outside the United States**

Country	Location	Amount
Germany .....	Ramstein Air Base .....	\$119,000,000
Norway .....	Rygge .....	\$13,800,000
Qatar .....	Al Udeid .....	\$70,400,000
Slovakia .....	Malacky .....	\$59,000,000
United Kingdom .....	RAF Fairford .....	\$106,000,000

9 **SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUC-**  
10 **TION AND LAND ACQUISITION PROJECTS.**

11 The Secretary of Defense may acquire real property  
12 and carry out the military construction projects for the  
13 installations outside the United States, and in the  
14 amounts, set forth in the following table:

**Defense Agencies: Outside the United States**

Country	Location	Amount
Estonia .....	Unspecified Estonia .....	\$15,700,000
Qatar .....	Al Udeid .....	\$60,000,000

1 **SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.**

2 Funds are hereby authorized to be appropriated for  
3 fiscal years beginning after September 30, 2018, for the  
4 military construction projects outside the United States  
5 authorized by this title as specified in the funding table  
6 in section 4602.

7 **SEC. 2906. RESTRICTIONS ON USE OF FUNDS FOR PLAN-**  
8 **NING AND DESIGN COSTS OF EUROPEAN DE-**  
9 **TERRENCE INITIATIVE PROJECTS.**

10 None of the funds authorized to be appropriated for  
11 military construction projects outside the United States  
12 authorized by this title may be obligated or expended for  
13 planning and design costs of any project associated with  
14 the European Deterrence Initiative until the Secretary of  
15 Defense submits to the congressional defense committees  
16 a list of all of the military construction projects associated  
17 with the European Deterrence Initiative which the Sec-  
18 retary anticipates will be carried out during each of the  
19 fiscal years 2019 through 2023.

1 **DIVISION C—DEPARTMENT OF**  
2 **ENERGY NATIONAL SECURITY**  
3 **AUTHORIZATIONS AND**  
4 **OTHER AUTHORIZATIONS**  
5 **TITLE XXXI—DEPARTMENT OF**  
6 **ENERGY NATIONAL SECURITY**  
7 **PROGRAMS**

Subtitle A—National Security Programs and Authorizations

- Sec. 3101. National Nuclear Security Administration.
- Sec. 3102. Defense environmental cleanup.
- Sec. 3103. Other defense activities.
- Sec. 3104. Nuclear energy.

Subtitle B—Program Authorizations, Restrictions, and Limitations

- Sec. 3111. Development of low-yield nuclear weapons.
- Sec. 3112. Department of Energy counterintelligence polygraph program.
- Sec. 3113. Inclusion of capital assets acquisition projects in activities by Director for Cost Estimating and Program Evaluation.
- Sec. 3114. Modification of authority for acceptance of contributions for acceleration of removal or security of fissile materials, radiological materials, and related equipment at vulnerable sites worldwide.
- Sec. 3115. Notification regarding air release of radioactive or hazardous material at Hanford Nuclear Reservation.
- Sec. 3116. Amendments to the Atomic Energy Act of 1954.
- Sec. 3117. Extension of enhanced procurement authority to manage supply chain risk.
- Sec. 3118. Hanford waste tank cleanup program.
- Sec. 3119. Use of funds for construction and project support activities relating to MOX facility.
- Sec. 3120. Plutonium pit production.
- Sec. 3121. Pilot program on conduct by Department of Energy of background reviews for access by certain individuals to national security laboratories.
- Sec. 3122. Prohibition on availability of funds for programs in Russian Federation.
- Sec. 3123. Prohibition on availability of funds for research and development of advanced naval nuclear fuel system based on low-enriched uranium.
- Sec. 3124. Limitation on availability of funds relating to submission of annual reports on unfunded priorities.

Subtitle C—Plans and Reports

- Sec. 3131. Modifications to cost-benefit analyses for competition of management and operating contracts.

- Sec. 3132. Nuclear forensics analyses.  
Sec. 3133. Review of defense environmental cleanup activities.  
Sec. 3134. Whistleblower protections.  
Sec. 3135. Implementation of Nuclear Posture Review by National Nuclear Security Administration.  
Sec. 3136. Survey of workforce of national security laboratories and nuclear weapons production facilities.  
Sec. 3137. Elimination of certain reports.

Subtitle D—Other Matters

- Sec. 3141. Acceleration of replacement of cesium blood irradiation sources.  
Sec. 3142. Sense of Congress regarding compensation of individuals relating to uranium mining and nuclear testing.

1           **Subtitle A—National Security**  
2           **Programs and Authorizations**

3   **SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRA-**  
4                           **TION.**

5           (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
6 are hereby authorized to be appropriated to the Depart-  
7 ment of Energy for fiscal year 2019 for the activities of  
8 the National Nuclear Security Administration in carrying  
9 out programs as specified in the funding table in section  
10 4701.

11          (b) **AUTHORIZATION OF NEW PLANT PROJECTS.**—  
12 From funds referred to in subsection (a) that are available  
13 for carrying out plant projects, the Secretary of Energy  
14 may carry out new plant projects for the National Nuclear  
15 Security Administration as follows:

16                   Project 19–D–660, Lithium Production Capa-  
17                   bility, Y–12 National Security Complex, Oak Ridge,  
18                   Tennessee, \$19,000,000.

1 Project 19–D–670, 138k Power Transmission  
2 System Replacement, Nevada National Security Site,  
3 Mercury, Nevada, \$6,000,000.

4 Project 19–D–930, KS Overhead Piping, Kes-  
5 selring Site, West Milton, New York, \$10,994,000.

6 **SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.**

7 Funds are hereby authorized to be appropriated to  
8 the Department of Energy for fiscal year 2019 for defense  
9 environmental cleanup activities in carrying out programs  
10 as specified in the funding table in section 4701.

11 **SEC. 3103. OTHER DEFENSE ACTIVITIES.**

12 Funds are hereby authorized to be appropriated to  
13 the Department of Energy for fiscal year 2019 for other  
14 defense activities in carrying out programs as specified in  
15 the funding table in section 4701.

16 **SEC. 3104. NUCLEAR ENERGY.**

17 Funds are hereby authorized to be appropriated to  
18 the Department of Energy for fiscal year 2019 for nuclear  
19 energy as specified in the funding table in section 4701.

1 **Subtitle B—Program Authoriza-**  
2 **tions, Restrictions, and Limita-**  
3 **tions**

4 **SEC. 3111. DEVELOPMENT OF LOW-YIELD NUCLEAR WEAP-**  
5 **ONS.**

6 (a) AUTHORIZATION.—The Secretary of Energy, act-  
7 ing through the Administrator for Nuclear Security, may  
8 carry out the engineering development phase, and any sub-  
9 sequent phase, to modify or develop a low-yield nuclear  
10 warhead for submarine-launched ballistic missiles.

11 (b) MODIFICATION OF LIMITATION ON DEVELOP-  
12 MENT.—Section 3116(c) of the National Defense Author-  
13 ization Act for Fiscal Year 2004 (Public Law 108–136;  
14 117 Stat. 1746; 50 U.S.C. 2529 note) is amended by  
15 striking “specifically authorized by Congress” and insert-  
16 ing “the Secretary specifically requests funding for the de-  
17 velopment of that weapon pursuant to section 4209(a) of  
18 the Atomic Energy Defense Act (50 U.S.C. 2529(a))”.

19 (c) REQUIREMENT FOR AUTHORIZATION OF APPRO-  
20 PRIATIONS.—Section 4209(a)(1) of the Atomic Energy  
21 Defense Act (50 U.S.C. 2529(a)(1)) is amended—

22 (1) by striking “the Secretary shall” and insert-  
23 ing the following: “the Secretary—

24 “(A) shall”; and



1 **SEC. 3113. INCLUSION OF CAPITAL ASSETS ACQUISITION**  
2 **PROJECTS IN ACTIVITIES BY DIRECTOR FOR**  
3 **COST ESTIMATING AND PROGRAM EVALUA-**  
4 **TION.**

5 (a) IN GENERAL.—Section 3221 of the National Nu-  
6 clear Security Administration Act (50 U.S.C. 2411) is  
7 amended—

8 (1) by redesignating subsection (h) as sub-  
9 section (i);

10 (2) by inserting after subsection (g) the fol-  
11 lowing new subsection:

12 “(h) RULE OF CONSTRUCTION.—Nothing in this sec-  
13 tion shall be construed to require duplicate reviews or cost  
14 estimates for major atomic energy defense acquisition pro-  
15 grams by the Administration or other elements of the De-  
16 partment of Energy.”; and

17 (3) in subsection (i)(2), as redesignated by  
18 paragraph (1)—

19 (A) by striking “PROGRAM.—” and all that  
20 follows through “, the term” and inserting  
21 “PROGRAM.—The term”;

22 (B) by striking subparagraph (B); and

23 (C) by redesignating clauses (i) and (ii) as  
24 subparagraphs (A) and (B), respectively, and  
25 by moving such subparagraphs, as so redesign-  
26 ated, two ems to the left.

1 (b) EFFECTIVE DATE.—The amendments made by  
2 subsection (a) shall take effect on the date that is 18  
3 months after the date of the enactment of this Act.

4 (c) BRIEFING.—Not later than one year after the  
5 date of the enactment of this Act, the Administrator for  
6 Nuclear Security and the Secretary of Energy shall jointly  
7 brief the congressional defense committees on a plan for  
8 implementing the amendments made by subsection (a)(3)  
9 in a manner that avoids duplication of reviews and cost  
10 estimates with respect to major atomic energy defense ac-  
11 quisition programs.

12 **SEC. 3114. MODIFICATION OF AUTHORITY FOR ACCEPT-**  
13 **ANCE OF CONTRIBUTIONS FOR ACCELERA-**  
14 **TION OF REMOVAL OR SECURITY OF FISSILE**  
15 **MATERIALS, RADIOLOGICAL MATERIALS, AND**  
16 **RELATED EQUIPMENT AT VULNERABLE**  
17 **SITES WORLDWIDE.**

18 Section 3132(f) of the Ronald W. Reagan National  
19 Defense Authorization Act for Fiscal Year 2005 (50  
20 U.S.C. 2569(f)) is amended—

21 (1) by striking paragraph (5);

22 (2) by redesignating paragraphs (6) and (7) as  
23 paragraphs (5) and (6), respectively; and

1           (3) in paragraph (6), as redesignated by para-  
2           graph (2), by striking “December 31, 2018” and in-  
3           serting “December 31, 2023”.

4   **SEC. 3115. NOTIFICATION REGARDING AIR RELEASE OF RA-**  
5                   **DIOACTIVE OR HAZARDOUS MATERIAL AT**  
6                   **HANFORD NUCLEAR RESERVATION.**

7           (a) IN GENERAL.—Subtitle C of title XLIV of the  
8   Atomic Energy Defense Act (50 U.S.C. 2621 et seq.) is  
9   amended by adding at the end the following new section:

10   **“SEC. 4447. NOTIFICATION REGARDING AIR RELEASE OF**  
11                   **RADIOACTIVE OR HAZARDOUS MATERIAL.**

12           “If the Secretary of Energy (or a designee of the Sec-  
13   retary) is notified of an improper release into the air of  
14   radioactive or hazardous material above applicable statu-  
15   tory or regulatory limits that resulted from waste gen-  
16   erated by atomic energy defense activities at the Hanford  
17   Nuclear Reservation, Richland, Washington, the Secretary  
18   (or designee of the Secretary) shall—

19           “(1) not later than two business days after  
20           being notified of the release, notify the congressional  
21           defense committees of the release; and

22           “(2) not later than seven business days after  
23           being notified of the release, provide the congress-  
24           sional defense committees a briefing on the status of  
25           the release, including—

1 “(A) the cause of the release, if known;

2 and

3 “(B) preliminary plans to address and re-

4 mediate the release, including associated costs

5 and timelines.”.

6 (b) CLERICAL AMENDMENT.—The table of contents

7 for the Atomic Energy Defense Act is amended by insert-

8 ing after the item relating to section 4446 the following

9 new item:

“Sec. 4447. Notification regarding air release of radioactive or hazardous material.”.

10 **SEC. 3116. AMENDMENTS TO THE ATOMIC ENERGY ACT OF**

11 **1954.**

12 (a) CLARIFICATION OF PROHIBITION ON DELEGA-

13 TION OF AUTHORITY RELATING TO SPECIAL NUCLEAR

14 MATERIAL.—Section 161 n. of the Atomic Energy Act of

15 1954 (42 U.S.C. 2201(n)) is amended by striking “57 b.,”

16 and inserting “57 b. (with respect to enrichment and re-

17 processing of special nuclear material or with respect to

18 transfers to any covered foreign country (as defined in sec-

19 tion 3136(i) of the National Defense Authorization Act

20 for Fiscal Year 2016 (42 U.S.C. 2077a(i))),”.

21 (b) CIVIL PENALTIES.—Section 234 a. of the Atomic

22 Energy Act of 1954 (42 U.S.C. 2282(a)) is amended—

23 (1) by striking “57,”; and

1           (2) by striking “or (2)” and inserting “(2) vio-  
2           lates any provision of section 57, or (3)”.

3           (c) REPORT.—Section 3136(e)(2) of the National De-  
4           fense Authorization Act for Fiscal Year 2016 (42 U.S.C.  
5           2077a(e)(2)) is amended—

6           (1) by redesignating subparagraphs (C) and  
7           (D) as subparagraphs (D) and (E), respectively; and

8           (2) by inserting after subparagraph (B) the fol-  
9           lowing new subparagraph (C):

10                   “(C) for each such application, an identi-  
11                   fication of any officer to which the authoriza-  
12                   tion under such section 57 b. was delegated  
13                   pursuant to section 161 n. of that Act (42  
14                   U.S.C. 2201(n));”.

15   **SEC. 3117. EXTENSION OF ENHANCED PROCUREMENT AU-**  
16                   **THORITY TO MANAGE SUPPLY CHAIN RISK.**

17           (a) EXTENSION.—Subsection (g) of section 4806 of  
18           the Atomic Energy Defense Act (50 U.S.C. 2786) is  
19           amended to read as follows:

20                   “(g) TERMINATION.—The authority under this sec-  
21                   tion shall terminate on June 30, 2023.”.

22           (b) TECHNICAL AMENDMENT.—Subsection (f)(5)(A)  
23           of such section is amended by striking “section 3542(b)  
24           of title 44” and inserting “section 3552(b) of title 44”.

1 **SEC. 3118. HANFORD WASTE TANK CLEANUP PROGRAM.**

2 Section 4442(e) of the Atomic Energy Defense Act  
3 (50 U.S.C. 2622(e)) is amended by striking “2019” and  
4 inserting “2024”.

5 **SEC. 3119. USE OF FUNDS FOR CONSTRUCTION AND**  
6 **PROJECT SUPPORT ACTIVITIES RELATING TO**  
7 **MOX FACILITY.**

8 (a) IN GENERAL.—Except as provided by subsection  
9 (b), the Secretary of Energy shall carry out construction  
10 and project support activities relating to the MOX facility  
11 using funds authorized to be appropriated by this Act or  
12 otherwise made available for fiscal year 2019 for the Na-  
13 tional Nuclear Security Administration for the MOX facil-  
14 ity.

15 (b) WAIVER.—The Secretary may waive the require-  
16 ment under subsection (a) if the Secretary submits to the  
17 congressional defense committees the matters specified in  
18 section 3121(b)(1) of the National Defense Authorization  
19 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
20 1892).

21 (c) DEFINITIONS.—In this section:

22 (1) MOX FACILITY.—The term “MOX facility”  
23 means the mixed-oxide fuel fabrication facility at the  
24 Savannah River Site, Aiken, South Carolina.

25 (2) PROJECT SUPPORT ACTIVITIES.—The term  
26 “project support activities” means activities that

1 support the design, long-lead equipment procure-  
2 ment, and site preparation of the MOX facility.

3 **SEC. 3120. PLUTONIUM PIT PRODUCTION.**

4 (a) STATEMENT OF POLICY.—It is the policy of the  
5 United States that—

6 (1) Los Alamos National Laboratory, Los Ala-  
7 mos, New Mexico, is the Plutonium Science and  
8 Production Center of Excellence for the United  
9 States; and

10 (2) Los Alamos National Laboratory will  
11 produce a minimum of 30 pits per year for the na-  
12 tional pit production mission and will implement  
13 surge efforts to exceed 30 pits per year to meet Nu-  
14 clear Posture Review and national policy.

15 (b) INDEPENDENT ASSESSMENT OF PLUTONIUM  
16 STRATEGY.—

17 (1) IN GENERAL.—Not later than 30 days after  
18 the date of the enactment of this Act, the Secretary  
19 of Defense, in consultation with the Administrator  
20 for Nuclear Security, shall seek to enter into a con-  
21 tract with a federally funded research and develop-  
22 ment center to conduct an assessment of the pluto-  
23 nium strategy of the National Nuclear Security Ad-  
24 ministration. The assessment shall include—

1 (A) an analysis of the engineering assess-  
2 ment and analysis of alternatives, including an  
3 analysis of each of the four major options con-  
4 tained within the engineering assessment;

5 (B) an assessment of the risks and benefits  
6 involved in each such option, including risks  
7 and benefits related to cost, schedule, licensing,  
8 labor availability, and workforce development,  
9 and effects on and from other programs;

10 (C) a description of the strategies consid-  
11 ered by the National Nuclear Security Adminis-  
12 tration to reduce those risks; and

13 (D) an assessment of the strategy consid-  
14 ered for manufacturing up to 80 pits per year  
15 at Los Alamos National Laboratory through the  
16 use of multiple labor shifts and additional  
17 equipment at PF-4 until modular facilities are  
18 completed to provide a long-term, single-labor  
19 shift capacity.

20 (2) SELECTION.—The Secretary may not enter  
21 into the contract under paragraph (1) with a feder-  
22 ally funded research and development center for  
23 which the Department of Energy or the National  
24 Nuclear Security Administration is the primary  
25 sponsor.

1           (3) ACCESS TO INFORMATION.—The federally  
2 funded research and development center with which  
3 the Secretary enters into the contract under para-  
4 graph (1) shall have full and direct access to all in-  
5 formation related to pit production, including infor-  
6 mation of the National Nuclear Security Administra-  
7 tion and its management and operating contractors.

8           (4) REPORT REQUIRED.—Not later than April  
9 1, 2019, the federally funded research and develop-  
10 ment center with which the Secretary enters into the  
11 contract under paragraph (1) shall submit to the  
12 Secretary, the Administrator, and the Nuclear  
13 Weapons Council established under section 179 of  
14 title 10, United States Code, a report containing the  
15 assessment required by paragraph (1).

16           (5) SUBMISSION TO CONGRESS.—Not later than  
17 April 15, 2019, the Secretary shall submit to the  
18 congressional defense committees the report required  
19 by paragraph (4), without change.

20           (c) REPORT ON PIT PRODUCTION AT LOS ALAMOS  
21 NATIONAL LABORATORY.—

22           (1) IN GENERAL.—Not later than 180 days  
23 after the date of the enactment of this Act, the Ad-  
24 ministrator shall submit to the congressional defense  
25 committees a report containing—

1 (A) a detailed plan to produce 30 pits per  
2 year at Los Alamos National Laboratory by  
3 2026, including—

4 (i) equipment and other construction  
5 already planned at the Chemistry and Met-  
6 allurgy Research Replacement Facility;

7 (ii) additional equipment or labor nec-  
8 essary to produce such pits; and

9 (iii) effects on and from other ongoing  
10 programs at Los Alamos National Labora-  
11 tory; and

12 (B) a detailed plan for designing and car-  
13 rying out production of plutonium pits 31–80 at  
14 Los Alamos National Laboratory, in case the  
15 MOX facility is not operational and producing  
16 pits by 2030.

17 (2) ASSESSMENT.—Not later than 120 days  
18 after the submission of the report required by para-  
19 graph (1), the Director for Cost Estimating and  
20 Program Evaluation of the National Nuclear Secu-  
21 rity Administration shall submit to the congressional  
22 defense committees an assessment of that report, in-  
23 cluding an assessment of the effect of increased  
24 ARIES activity in support of the dilute and dispose  
25 program on the plutonium pit production mission.

1 (d) BRIEFING.—Not later than March 1, 2019, the  
2 Chairman of the Nuclear Weapons Council and the Ad-  
3 ministrator shall jointly provide to the congressional de-  
4 fense committees a briefing detailing the implementation  
5 plan for the plutonium strategy of the National Nuclear  
6 Security Administration, including milestones, accountable  
7 personnel for such milestones, and mechanisms for ensur-  
8 ing transparency into the progress of such strategy for the  
9 Department of Defense and the congressional defense  
10 committees.

11 (e) ANNUAL CERTIFICATION.—Not later than April  
12 1, 2019, and each year thereafter through 2025, the  
13 Chairman shall submit to the Secretary, the Adminis-  
14 trator, and the congressional defense committees a written  
15 certification that the plutonium pit production plan of the  
16 National Nuclear Security Administration is on track to  
17 meet—

18 (1) the military requirement of 80 pits per year  
19 by 2030, or such other military requirement as de-  
20 termined by the Secretary;

21 (2) the statutory requirements for pit produc-  
22 tion timelines under section 4219 of the Atomic En-  
23 ergy Defense Act (50 U.S.C. 2538a); and

24 (3) all milestones and deliverables described in  
25 the plans required by subsection (c)(1).

1 (f) FAILURE TO CERTIFY.—

2 (1) NWC NOTIFICATION.—If in any year the  
3 Chairman is unable to submit the certification under  
4 subsection (e), the Chairman shall submit to the  
5 congressional defense committees, the Secretary, and  
6 the Administrator written notification describing  
7 why the Chairman is unable to make such certifi-  
8 cation.

9 (2) NNSA RESPONSE.—Not later than 180  
10 days after the date on which the Chairman makes  
11 a notification under paragraph (1), the Adminis-  
12 trator shall submit to the congressional defense com-  
13 mittees, the Secretary, and the Chairman a report  
14 that—

15 (A) addresses the reasons identified in the  
16 notification with respect to the failure to make  
17 the certification under subsection (e); and

18 (B) includes presentation of either a con-  
19 current backup plan or a recovery plan, and the  
20 associated implementation schedules for such  
21 plan.

22 (g) DEFINITIONS.—In this section:

23 (1) ARIES.—The term “ARIES” means the  
24 Advanced Recovery and Integrated Extraction Sys-  
25 tem method, developed and piloted at Los Alamos

1 National Laboratory, Los Alamos, New Mexico, for  
2 disassembling surplus defense plutonium pits and  
3 converting the plutonium from such pits into pluto-  
4 nium oxide.

5 (2) DILUTE AND DISPOSE APPROACH.—The  
6 term “dilute and dispose approach” means a method  
7 of blending plutonium oxide made from surplus de-  
8 fense plutonium with an inert mixture, then pack-  
9 aging and indefinitely disposing of the combined ma-  
10 terial in a geologic repository.

11 (3) MOX FACILITY.—The term “MOX facility”  
12 means the mixed-oxide fuel fabrication facility at the  
13 Savannah River Site, Aiken, South Carolina.

14 **SEC. 3121. PILOT PROGRAM ON CONDUCT BY DEPARTMENT**  
15 **OF ENERGY OF BACKGROUND REVIEWS FOR**  
16 **ACCESS BY CERTAIN INDIVIDUALS TO NA-**  
17 **TIONAL SECURITY LABORATORIES.**

18 (a) IN GENERAL.—The Secretary of Energy shall es-  
19 tablish a pilot program to assess the feasibility and advis-  
20 ability of conducting background reviews required by sec-  
21 tion 4502(a) of the Atomic Energy Defense Act (50  
22 U.S.C. 2652(a)) within the Department of Energy.

23 (b) REQUIREMENTS.—Under the pilot program es-  
24 tablished under subsection (a), the Secretary may admit  
25 an individual described in section 4502(a) of the Atomic

1 Energy Defense Act (50 U.S.C. 2652(a)) to a facility of  
2 a national security laboratory described in that section if,  
3 in addition to the conduct of a background review under  
4 subsection (a) with respect to that individual—

5 (1) the Secretary determines that the admission  
6 of that individual to that facility is in the national  
7 interest and will further science, technology, and en-  
8 gineering capabilities in support of the mission of  
9 the Department of Energy; and

10 (2) a security plan is developed and imple-  
11 mented to mitigate the risks associated with the ad-  
12 mission of that individual to that facility.

13 (c) ROLES OF SECRETARY AND DIRECTOR OF NA-  
14 TIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BU-  
15 REAU OF INVESTIGATION.—

16 (1) ROLE OF SECRETARY.—Under the pilot  
17 program under subsection (a), the Secretary shall  
18 conduct background reviews for all individuals de-  
19 scribed in section 4502(a) of the Atomic Energy De-  
20 fense Act (50 U.S.C. 2652(a)) seeking admission to  
21 facilities of national security laboratories described  
22 in that section. Such reviews by the Secretary shall  
23 be conducted independent of and in addition to  
24 background reviews conducted by the Director of

1 National Intelligence and the Director of the Federal  
2 Bureau of Investigation under that section.

3 (2) ROLES OF DIRECTOR OF NATIONAL INTEL-  
4 LIGENCE AND DIRECTOR OF FEDERAL BUREAU OF  
5 INVESTIGATION.—Notwithstanding paragraph (1),  
6 during the period during which the pilot program es-  
7 tablished under subsection (a) is being carried out,  
8 the Director of National Intelligence and the Direc-  
9 tor of the Federal Bureau of Investigation shall re-  
10 tain primary responsibility for the conduct of all  
11 background reviews required by section 4502(a) of  
12 the Atomic Energy Defense Act (50 U.S.C.  
13 2652(a)).

14 (d) TERMINATION.—The pilot program established  
15 under subsection (a) shall terminate on the date that is  
16 two years after the date of the enactment of this Act.

17 (e) REPORT REQUIRED.—Not later than 90 days  
18 after the date on which the pilot program established  
19 under subsection (a) terminates under subsection (d), the  
20 Secretary of Energy, in consultation with the Director of  
21 National Intelligence and the Director of the Federal Bu-  
22 reau of Investigation, shall submit to the appropriate con-  
23 gressional committees a report on the conduct of back-  
24 ground reviews under the pilot program that includes—

1           (1) a comparison of the effectiveness of and  
2           timelines required for background reviews conducted  
3           by the Secretary under the pilot program and back-  
4           ground reviews conducted by the Director of Na-  
5           tional Intelligence and the Director of the Federal  
6           Bureau of Investigation under section 4502(a) of the  
7           Atomic Energy Defense Act (50 U.S.C. 2652(a));  
8           and

9           (2) the number of such reviews conducted for  
10          individuals who are citizens or agents of each coun-  
11          try on the sensitive countries list referred to in that  
12          section.

13          (f) DEFINITIONS.—In this section:

14           (1) APPROPRIATE CONGRESSIONAL COMMIT-  
15           TEES.—The term “appropriate congressional com-  
16           mittees” means—

17                   (A) the Committee on Armed Services and  
18                   the Select Committee on Intelligence of the  
19                   Senate; and

20                   (B) the Committee on Armed Services and  
21                   the Permanent Select Committee on Intelligence  
22                   of the House of Representatives.

23           (2) NATIONAL SECURITY LABORATORY.—The  
24           term “national security laboratory” has the meaning

1 given that term in section 4002 of the Atomic En-  
2 ergy Defense Act (50 U.S.C. 2501).

3 **SEC. 3122. PROHIBITION ON AVAILABILITY OF FUNDS FOR**  
4 **PROGRAMS IN RUSSIAN FEDERATION.**

5 (a) PROHIBITION.—None of the funds authorized to  
6 be appropriated by this Act or otherwise made available  
7 for fiscal year 2019 for atomic energy defense activities  
8 may be obligated or expended to enter into a contract  
9 with, or otherwise provide assistance to, the Russian Fed-  
10 eration.

11 (b) WAIVER.—The Secretary of Energy, without dele-  
12 gation, may waive the prohibition in subsection (a) only  
13 if—

14 (1) the Secretary determines, in writing, that a  
15 nuclear-related threat in the Russian Federation  
16 must be addressed urgently and it is necessary to  
17 waive the prohibition to address that threat;

18 (2) the Secretary of State and the Secretary of  
19 Defense concur in the determination under para-  
20 graph (1);

21 (3) the Secretary of Energy submits to the ap-  
22 propriate congressional committees a report con-  
23 taining—

24 (A) a notification that the waiver is in the  
25 national security interest of the United States;

1 (B) justification for the waiver, including  
2 the determination under paragraph (1); and

3 (C) a description of the activities to be car-  
4 ried out pursuant to the waiver, including the  
5 expected cost and timeframe for such activities;  
6 and

7 (4) a period of seven days elapses following the  
8 date on which the Secretary submits the report  
9 under paragraph (3).

10 (c) EXCEPTION.—The prohibition under subsection  
11 (a) and the requirements under subsection (b) to waive  
12 that prohibition shall not apply to an amount, not to ex-  
13 ceed \$3,000,000, that the Secretary may make available  
14 for the Department of Energy Russian Health Studies  
15 Program.

16 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
17 DEFINED.—In this section, the term “appropriate con-  
18 gressional committees” means the following:

19 (1) The congressional defense committees.

20 (2) The Committee on Foreign Relations of the  
21 Senate and the Committee on Foreign Affairs of the  
22 House of Representatives.

1 **SEC. 3123. PROHIBITION ON AVAILABILITY OF FUNDS FOR**  
2 **RESEARCH AND DEVELOPMENT OF AD-**  
3 **VANCED NAVAL NUCLEAR FUEL SYSTEM**  
4 **BASED ON LOW-ENRICHED URANIUM.**

5 (a) PROHIBITION.—Except as provided by subsection  
6 (b), none of the funds authorized to be appropriated by  
7 this Act or otherwise made available for fiscal year 2019  
8 for the Department of Energy or the Department of De-  
9 fense may be obligated or expended to plan or carry out  
10 research and development of an advanced naval nuclear  
11 fuel system based on low-enriched uranium.

12 (b) EXCEPTION.—In accordance with section 7319 of  
13 title 10, United States Code, of the funds authorized to  
14 be appropriated by this Act or otherwise made available  
15 for fiscal year 2019 for defense nuclear nonproliferation,  
16 as specified in the funding table in section 4701,  
17 \$10,000,000 shall be made available to the Deputy Ad-  
18 ministrator for Naval Reactors of the National Nuclear  
19 Security Administration for low-enriched uranium activi-  
20 ties (including downblending of high-enriched uranium  
21 fuel into low-enriched uranium fuel, research and develop-  
22 ment using low-enriched uranium fuel, or the modification  
23 or procurement of equipment and infrastructure related  
24 to such activities) to develop an advanced naval nuclear  
25 fuel system based on low-enriched uranium.

1 **SEC. 3124. LIMITATION ON AVAILABILITY OF FUNDS RELAT-**  
2 **ING TO SUBMISSION OF ANNUAL REPORTS**  
3 **ON UNFUNDED PRIORITIES.**

4 Section 4716 of the Atomic Energy Defense Act (50  
5 U.S.C. 2756) is amended—

6 (1) by redesignating subsection (c) as sub-  
7 section (d); and

8 (2) by inserting after subsection (b) the fol-  
9 lowing new subsection (c):

10 “(c) **LIMITATION.**—If the Administrator fails to sub-  
11 mit to the congressional defense committees a report re-  
12 quired by subsection (a) for any of fiscal years 2020  
13 through 2024 that includes the matters specified in sub-  
14 section (b)(1) for at least one unfunded priority by the  
15 deadline specified in subsection (a), not more than 65 per-  
16 cent of the funds authorized to be appropriated or other-  
17 wise made available for the fiscal year in which such fail-  
18 ure occurs for travel and transportation of persons under  
19 the Federal salaries and expenses account of the Adminis-  
20 tration may be obligated or expended until the date on  
21 which the Administrator submits such report.”.

1       **Subtitle C—Plans and Reports**

2       **SEC. 3131. MODIFICATIONS TO COST-BENEFIT ANALYSES**  
3                   **FOR COMPETITION OF MANAGEMENT AND**  
4                   **OPERATING CONTRACTS.**

5       (a) IN GENERAL.—Subtitle A of title XLVIII of the  
6 Atomic Energy Defense Act (50 U.S.C. 2781 et seq.) is  
7 amended by adding at the end the following new section:

8       **“SEC. 4807. COST-BENEFIT ANALYSES FOR COMPETITION**  
9                   **OF MANAGEMENT AND OPERATING CON-**  
10                  **TRACTS.**

11       “(a) BRIEFINGS ON REQUESTS FOR PROPOSALS.—  
12 Not later than 7 days after issuing a request for proposals  
13 for a contract to manage and operate a facility of the Ad-  
14 ministration, the Administrator shall brief the congres-  
15 sional defense committees on the preliminary assessment  
16 of the Administrator of the costs and benefits of the com-  
17 petition for the contract, including a preliminary assess-  
18 ment of the matters described in subsection (c) with re-  
19 spect to the contract.

20       “(b) REPORTS AFTER TRANSITION TO NEW CON-  
21 TRACTS.—If the Administrator awards a new contract to  
22 manage and operate a facility of the Administration, the  
23 Administrator shall submit to the congressional defense  
24 committees a report that includes the matters described  
25 in subsection (c) with respect to the contract by not later

1 than 30 days after the completion of the period required  
2 to transition to the contract.

3 “(c) MATTERS DESCRIBED.—The matters described  
4 in this subsection, with respect to a contract, are the fol-  
5 lowing:

6 “(1) A clear and complete description of the  
7 cost savings the Administrator expects to result  
8 from the competition for the contract over the life of  
9 the contract, including associated analyses, assump-  
10 tions, and information sources used to determine  
11 such expected cost savings.

12 “(2) A description of any key limitations or un-  
13 certainties that could affect such costs savings, in-  
14 cluding costs savings that are anticipated but not  
15 fully known.

16 “(3) The costs of the competition for the con-  
17 tract, including the immediate costs of conducting  
18 the competition, the costs of the transition to the  
19 contract from the previous contract, and any in-  
20 creased costs over the life of the contract.

21 “(4) A description of any disruptions or delays  
22 in mission activities or deliverables resulting from  
23 the competition for the contract.

24 “(5) A clear and complete description of the  
25 benefits expected by the Administrator with respect

1 to mission performance or operations resulting from  
2 the competition.

3 “(6) How the competition for the contract com-  
4 plied with the Federal Acquisition Regulation re-  
5 garding federally funded research and development  
6 centers, if applicable.

7 “(7) The factors considered and processes used  
8 by the Administrator to determine—

9 “(A) whether to compete or extend the  
10 previous contract; and

11 “(B) which activities at the facility should  
12 be covered under the contract rather than  
13 under a different contract.

14 “(8) With respect to the matters included under  
15 paragraphs (1) through (7), a detailed description of  
16 the analyses conducted by the Administrator to  
17 reach the conclusions presented in the report, includ-  
18 ing any assumptions, limitations, and uncertainties  
19 relating to such conclusions.

20 “(9) Any other matters the Administrator con-  
21 siders appropriate.

22 “(d) INFORMATION QUALITY.—Each briefing re-  
23 quired by subsection (a) and report required by subsection  
24 (b) shall be prepared in accordance with—

1           “(1) the information quality guidelines of the  
2           Department of Energy that are relevant to the clear  
3           and complete presentation of the matters described  
4           in subsection (c); and

5           “(2) best practices of the Government Account-  
6           ability Office and relevant industries for cost esti-  
7           mating, if appropriate.

8           “(e) REVIEW OF REPORTS BY COMPTROLLER GEN-  
9           ERAL OF THE UNITED STATES.—

10           “(1) INITIAL REVIEW.—The Comptroller Gen-  
11           eral of the United States shall provide a briefing to  
12           the congressional defense committees that includes a  
13           review of each report required by subsection (b) not  
14           later than 180 days after the report is submitted to  
15           such committees.

16           “(2) COMPREHENSIVE REVIEW.—

17           “(A) DETERMINATION.—The Comptroller  
18           General shall determine, in consultation with  
19           the congressional defense committees, whether  
20           to conduct a comprehensive review of a report  
21           required by subsection (b).

22           “(B) SUBMISSION.—The Comptroller Gen-  
23           eral shall submit a comprehensive review con-  
24           ducted under subparagraph (A) of a report re-  
25           quired by subsection (b) to the congressional

1 defense committees not later than 3 years after  
2 that report is submitted to such committees.

3 “(C) ELEMENTS.—A comprehensive review  
4 conducted under subparagraph (A) of a report  
5 required by subsection (b) shall include an as-  
6 sessment, based on the most current informa-  
7 tion available, of the following:

8 “(i) The actual cost savings achieved  
9 compared to cost savings estimated under  
10 subsection (c)(1), and any increased costs  
11 incurred under the contract that were un-  
12 expected or uncertain at the time the con-  
13 tract was awarded.

14 “(ii) Any disruptions or delays in mis-  
15 sion activities or deliverables resulting  
16 from the competition for the contract com-  
17 pared to the disruptions and delays esti-  
18 mated under subsection (c)(4).

19 “(iii) Whether expected benefits of the  
20 competition with respect to mission per-  
21 formance or operations have been achieved.

22 “(iv) Such other matters as the  
23 Comptroller General considers appropriate.

24 “(f) APPLICABILITY.—

1           “(1) IN GENERAL.—The requirements for brief-  
2           ings under subsection (a) and reports under sub-  
3           section (b) shall apply with respect to requests for  
4           proposals issued or contracts awarded, as applicable,  
5           by the Administrator during fiscal years 2019  
6           through 2022.

7           “(2) NAVAL REACTORS.—The requirements for  
8           briefings under subsection (a) and reports under  
9           subsection (b) shall not apply with respect to a man-  
10          agement and operations contract for a Naval Reac-  
11          tor facility.”.

12          (b) CLERICAL AMENDMENT.—The table of contents  
13          for the Atomic Energy Defense Act is amended by insert-  
14          ing after the item relating to section 4806 the following  
15          new item:

          “Sec. 4807. Cost-benefit analyses for competition of management and operating  
          contracts.”.

16          (c) TERMINATION OF SUPERSEDED PROVISION.—  
17          Section 3121(e)(1) of the National Defense Authorization  
18          Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat.  
19          2175), as most recently amended by section 3135 of the  
20          National Defense Authorization Act for Fiscal Year 2016  
21          (Public Law 114–92; 129 Stat. 1207), is further amended  
22          by striking “2020” and inserting “2018”.

1 **SEC. 3132. NUCLEAR FORENSICS ANALYSES.**

2 (a) INDEPENDENT ASSESSMENT.—Not later than 30  
3 days after the date of the enactment of this Act, the Sec-  
4 retary of Energy, in consultation with the Secretary of De-  
5 fense and the Secretary of Homeland Security, shall seek  
6 to enter into an agreement with the National Academy of  
7 Sciences for an independent assessment of nuclear foren-  
8 sic analyses conducted by the Federal Government.

9 (b) ELEMENTS.—The assessment conducted by the  
10 National Academy of Sciences under subsection (a) shall,  
11 at minimum, include the following:

12 (1) An assessment of a representative sample of  
13 nuclear forensic analyses from across the Federal  
14 departments and agencies, with particular emphasis  
15 on the validity, quality, value, cost effectiveness,  
16 gaps, and timeliness of such analyses.

17 (2) An assessment of the methodologies used by  
18 nuclear forensics analyses from across the Federal  
19 departments and agencies, including the scientific  
20 rigor of such methodologies.

21 (3) Recommendations for improving nuclear  
22 forensics analyses conducted by the Federal Govern-  
23 ment, including any best practices or lessons learned  
24 that should be shared across the Federal depart-  
25 ments and agencies.

1           (c) SUBMISSION.—Not later than one year after the  
2 date of the enactment of this Act, the Secretary of Energy  
3 shall submit to the appropriate congressional committees  
4 a report containing the assessment of the National Acad-  
5 emy of Sciences under subsection (a).

6           (d) BRIEFING ON SENIOR-LEVEL INVOLVEMENT IN  
7 EXERCISES.—Not later than 90 days after the date of the  
8 enactment of this Act, the President shall provide to the  
9 appropriate congressional committees a briefing on the in-  
10 volvement of senior-level executive branch leadership in re-  
11 cent and planned nuclear terrorism preparedness or re-  
12 sponse exercises and any other exercises that have nuclear  
13 forensic analysis as a component of the exercises.

14           (e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
15 FINED.—In this section, the term “appropriate congres-  
16 sional committees” means—

- 17           (1) the congressional defense committees; and
- 18           (2) the Committee on Homeland Security of the  
19 House of Representatives and the Committee on  
20 Homeland Security and Governmental Affairs of the  
21 Senate.

22 **SEC. 3133. REVIEW OF DEFENSE ENVIRONMENTAL CLEAN-**  
23 **UP ACTIVITIES.**

24           (a) IN GENERAL.—The Secretary of Energy shall  
25 enter into an arrangement with the National Academies

1 of Sciences, Engineering, and Medicine to conduct a re-  
2 view of the defense environmental cleanup activities of the  
3 Office of Environmental Management of the Department  
4 of Energy.

5 (b) ELEMENTS.—The review conducted under sub-  
6 section (a) shall include—

7 (1) an assessment of—

8 (A) project management practices with re-  
9 spect to the activities described in subsection  
10 (a);

11 (B) the outcomes of such activities; and

12 (C) the appropriateness of the level of en-  
13 gagement and oversight of the Office of Envi-  
14 ronmental Management with respect to such ac-  
15 tivities; and

16 (2) recommendations with respect to actions to  
17 enhance the effectiveness and efficiency of such ac-  
18 tivities.

19 **SEC. 3134. WHISTLEBLOWER PROTECTIONS.**

20 (a) SENSE OF CONGRESS.—It is the sense of Con-  
21 gress that—

22 (1) raising nuclear safety concerns is important  
23 for avoiding potentially catastrophic incidents or  
24 harm to workers and the public;

1           (2) the Department of Energy should protect  
2 whistleblowers and take action against contractors  
3 and subcontractors that retaliate against whistle-  
4 blowers;

5           (3) such action sends a strong signal to prevent  
6 or limit retaliation against whistleblowers; and

7           (4) the Secretary of Energy, acting through the  
8 Administrator for Nuclear Security as appropriate,  
9 should impose civil penalties under section 234A of  
10 the Atomic Energy Act of 1954 (42 U.S.C. 2282a)  
11 on contractors, subcontractors, and suppliers for vio-  
12 lations of the rules, regulations, or orders of the De-  
13 partment of Energy relating to nuclear safety and  
14 radiation protection.

15 (b) REPORT REQUIRED.—

16           (1) IN GENERAL.—Not later than 180 days  
17 after the date of the enactment of this Act, the Sec-  
18 retary, in consultation with the Administrator, shall  
19 submit to the appropriate congressional committees  
20 a report on how the Secretary would define a chilled  
21 work environment with respect to employees and  
22 contractors of the Department making a whistle-  
23 blower complaint under section 4602 of the Atomic  
24 Energy Defense Act (50 U.S.C. 2702) or any provi-  
25 sion of other law that may provide protection for

1 disclosures of information by such employees or con-  
2 tractors.

3 (2) ELEMENTS.—The report required by para-  
4 graph (1) shall include—

5 (A) a description of what constitutes evi-  
6 dence of a chilled work environment referred to  
7 in that paragraph;

8 (B) a description of relevant regulations  
9 enacted by the Secretary to enforce section  
10 4602 of the Atomic Energy Defense Act (50  
11 U.S.C. 2702); and

12 (C) an assessment of whether the Sec-  
13 retary has existing authority, or would need  
14 new authority, to enforce such section 4602 or  
15 any other relevant provision of law.

16 (c) NOTIFICATION.—Not later than February 1,  
17 2019, and annually thereafter through 2021, the Sec-  
18 retary shall submit to the appropriate congressional com-  
19 mittees a notification of whether any penalties were im-  
20 posed pursuant to section 234A of the Atomic Energy Act  
21 of 1954 (42 U.S.C. 2282a) during the year preceding the  
22 submission of the report, including a description of such  
23 penalties and the entities against which the penalties were  
24 imposed.

1 (d) APPROPRIATE CONGRESSIONAL COMMITTEES.—

2 In this section, the term “appropriate congressional com-  
3 mittees” means—

4 (1) the congressional defense committees; and

5 (2) the Committee on Energy and Commerce of  
6 the House of Representatives and the Committee on  
7 Energy and Natural Resources of the Senate.

8 **SEC. 3135. IMPLEMENTATION OF NUCLEAR POSTURE RE-**  
9 **VIEW BY NATIONAL NUCLEAR SECURITY AD-**  
10 **MINISTRATION.**

11 (a) REPORT REQUIRED.—Not later than December  
12 1, 2018, the Administrator for Nuclear Security shall sub-  
13 mit to the congressional defense committees a report on  
14 the implementation of the 2018 Nuclear Posture Review  
15 by the National Nuclear Security Administration.

16 (b) ELEMENTS.—The report required by subsection  
17 (a) shall include the following:

18 (1) A list of specific actions associated with im-  
19 plementation of the policies set forth in the 2018  
20 Nuclear Posture Review applicable to the National  
21 Nuclear Security Administration.

22 (2) For each such action—

23 (A) an identification of the office within  
24 the Administration with responsibility for the  
25 action; and

1 (B) key milestones for the action.

2 (3) A discussion of any challenges to success-  
3 fully implementing such actions.

4 (4) A description of the process established for  
5 monitoring the implementation of such actions.

6 (5) A description of policy decisions by the Ad-  
7 ministrator that are necessary to complete the imple-  
8 mentation of such actions.

9 (6) A description of the estimated costs for  
10 such actions, if—

11 (A) information on such costs is available;

12 and

13 (B) such costs are estimated to be signifi-  
14 cantly different from the costs for actions by  
15 the Administration associated with the imple-  
16 mentation of policies set forth in previous Nu-  
17 clear Posture Reviews.

18 **SEC. 3136. SURVEY OF WORKFORCE OF NATIONAL SECU-**  
19 **RITY LABORATORIES AND NUCLEAR WEAP-**  
20 **ONS PRODUCTION FACILITIES.**

21 (a) IN GENERAL.—Not later than 180 days after the  
22 date of the enactment of this Act, the Administrator for  
23 Nuclear Security shall submit to the congressional defense  
24 committees a report that includes—

1           (1) a detailed proposal for a survey of the work-  
2           force of the national security laboratories and nu-  
3           clear weapons production facilities that is modeled  
4           on the Federal Employee Viewpoint Survey of the  
5           Office of Personnel Management;

6           (2) the determination of the Administrator with  
7           respect to whether to implement the survey;

8           (3) the views of the Administrator regarding  
9           the value, efficiency, and effectiveness of the survey  
10          as compared to other means for acquiring informa-  
11          tion of the type collected using the survey; and

12          (4) if the Administrator determines not to im-  
13          plement the survey, a description of the reasons for  
14          that determination.

15          (b) IMPLEMENTATION FACTORS.—The report re-  
16          quired by subsection (a) shall address factors associated  
17          with implementation of the survey described in that sub-  
18          section, including—

19                (1) the costs of designing the survey;

20                (2) the time required for and the costs of ad-  
21                ministering the survey and analyzing the data from  
22                the survey;

23                (3) the periodicity of administering the survey  
24                to ascertain trends; and

1           (4) any other matters the Administrator con-  
2           siders appropriate.

3           (c) DEFINITIONS.—In this section, the terms “na-  
4           tional security laboratory” and “nuclear weapons produc-  
5           tion facility” have the meanings given those terms in sec-  
6           tion 4002 of the Atomic Energy Defense Act (50 U.S.C.  
7           2501).

8           **SEC. 3137. ELIMINATION OF CERTAIN REPORTS.**

9           (a) REPORT OF OWNER’S AGENT ON HANFORD  
10          WASTE TREATMENT AND IMMOBILIZATION PLANT CON-  
11          TRACT.—Section 4446 of the Atomic Energy Defense Act  
12          (50 U.S.C. 2626) is amended—

13                 (1) by striking subsection (d); and

14                 (2) by redesignating subsections (e) and (f) as  
15          subsections (d) and (e), respectively.

16          (b) ANNUAL CERTIFICATION OF SHIPMENTS TO  
17          WASTE ISOLATION PILOT PLANT.—Section 3115(a) of  
18          the National Defense Authorization Act for Fiscal Year  
19          2017 (Public Law 114–328; 130 Stat. 2759) is amended,  
20          in the matter preceding paragraph (1), by striking “five-  
21          year period” and inserting “three-year period”.

## 1                   **Subtitle D—Other Matters**

### 2   **SEC. 3141. ACCELERATION OF REPLACEMENT OF CESIUM** 3                   **BLOOD IRRADIATION SOURCES.**

4           (a) **GOAL.**—The Administrator for Nuclear Security  
5 shall ensure that the goal of the covered programs is elimi-  
6 nating the use of blood irradiation devices in the United  
7 States that rely on cesium chloride by December 31, 2027.

8           (b) **IMPLEMENTATION.**—To meet the goal specified  
9 by subsection (a), the Administrator shall carry out the  
10 covered programs in a manner that—

11           (1) is voluntary for owners of blood irradiation  
12 devices;

13           (2) allows for the United States, subject to the  
14 review of the Administrator, to pay up to 50 percent  
15 of the per-device cost of replacing blood irradiation  
16 devices covered by the programs;

17           (3) allows for the United States to pay up to  
18 100 percent of the cost of removing and disposing  
19 of cesium sources retired from service by the pro-  
20 grams; and

21           (4) replaces such devices with x-ray irradiation  
22 devices or other devices approved by the Food and  
23 Drug Administration that provide significant threat  
24 reduction as compared to cesium chloride  
25 irradiators.

1 (c) DURATION.—The Administrator shall carry out  
2 the covered programs until December 31, 2027.

3 (d) REPORT.—Not later than 180 days after the date  
4 of the enactment of this Act, the Administrator shall sub-  
5 mit to the appropriate congressional committees a report  
6 on the covered programs, including—

7 (1) identification of each cesium chloride blood  
8 irradiation device in the United States, including the  
9 number, general location, and user type;

10 (2) a plan for achieving the goal established by  
11 subsection (a);

12 (3) a methodology for prioritizing replacement  
13 of such devices that takes into account irradiator  
14 age and prior material security initiatives;

15 (4) in consultation with the Nuclear Regulatory  
16 Commission and the Food and Drug Administration,  
17 a strategy identifying any legislative, regulatory, or  
18 other measures necessary to constrain the introduc-  
19 tion of new cesium chloride blood irradiation devices;

20 (5) identification of the annual funds required  
21 to meet the goal established by subsection (a); and

22 (6) a description of the disposal path for cesium  
23 chloride sources under the covered programs.

24 (e) ASSESSMENT.—The Administrator shall submit  
25 an assessment to the appropriate congressional commit-

1 tees by September 20, 2023, of the results of the actions  
2 on the covered programs under this section, including—

3 (1) the number of replacement irradiators  
4 under the covered programs;

5 (2) the life-cycle costs of the programs, includ-  
6 ing personnel training, maintenance, and replace-  
7 ment costs for new irradiation devices;

8 (3) the cost-effectiveness of the covered pro-  
9 grams;

10 (4) an analysis of the effectiveness of the new  
11 irradiation devices' technology; and

12 (5) a forecast of whether the Administrator will  
13 meet the goal established in subsection (a).

14 (f) DEFINITIONS.—In this section:

15 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
16 TEES.—The term “appropriate congressional com-  
17 mittees” means—

18 (A) the Committee on Appropriations, the  
19 Committee on Armed Services, and the Com-  
20 mittee on Energy and Commerce of the House  
21 of Representatives; and

22 (B) the Committee on Appropriations, the  
23 Committee on Armed Services, the Committee  
24 on Energy and Natural Resources, and the

1           Committee on Health, Education, Labor, and  
2           Pensions of the Senate.

3           (2) COVERED PROGRAMS.—The term “covered  
4           programs” means the following programs of the Of-  
5           fice of Radiological Security of the National Nuclear  
6           Security Administration:

7                   (A) The Cesium Irradiator Replacement  
8                   Program.

9                   (B) The Off-Site Source Recovery Pro-  
10                  gram.

11 **SEC. 3142. SENSE OF CONGRESS REGARDING COMPENSA-**  
12 **TION OF INDIVIDUALS RELATING TO URA-**  
13 **NIUM MINING AND NUCLEAR TESTING.**

14           (a) FINDINGS.—Congress makes the following find-  
15           ings:

16                   (1) The Radiation Exposure Compensation Act  
17                   (42 U.S.C. 2210 note) was enacted in 1990 to pro-  
18                   vide monetary compensation to individuals who con-  
19                   tracted certain cancers and other serious diseases  
20                   following their exposure to radiation released during  
21                   atmospheric nuclear weapons testing during the Cold  
22                   War or following exposure to radiation as a result of  
23                   employment in the uranium industry during the  
24                   Cold War.

1           (2) The Energy Employees Occupational Illness  
2           Compensation Program Act of 2000 (42 U.S.C.  
3           7384 et seq.) formally acknowledged the dangers to  
4           which some employees of sites of the Department of  
5           Energy and its vendors during the Cold War were  
6           exposed. That Act also acknowledged that, although  
7           establishing the link between occupational hazards  
8           and specific diseases can be difficult, scientific evi-  
9           dence exists to support the conclusion that some ac-  
10          tivities related to Cold War nuclear weapons produc-  
11          tion have resulted in increased risk of illness and  
12          death to workers. That Act established a formal  
13          process for the submission of claims for medical ex-  
14          penses and lump sum compensation for former em-  
15          ployees and contractors and survivors of those  
16          former employees and contractors.

17           (3) As of the date of the enactment of this Act,  
18           more than 150,231 claims have been paid out under  
19           the Radiation Exposure Compensation Act and the  
20           Energy Employees Occupational Illness Compensa-  
21           tion Program Act of 2000, for a total of at least  
22           \$17,400,000,000 in lump sum compensation and  
23           medical expenses.

24           (b) SENSE OF CONGRESS.—It is the sense of Con-  
25          gress that the United States Government should appro-

1 priately compensate and recognize the employees, contrac-  
2 tors, and other individuals described in subsection (a).

3 **TITLE XXXII—DEFENSE NU-**  
4 **CLEAR FACILITIES SAFETY**  
5 **BOARD**

Sec. 3201. Authorization.

6 **SEC. 3201. AUTHORIZATION.**

7 There are authorized to be appropriated for fiscal  
8 year 2019, \$31,243,000 for the operation of the Defense  
9 Nuclear Facilities Safety Board under chapter 21 of the  
10 Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

11 **TITLE XXXIV—NAVAL**  
12 **PETROLEUM RESERVES**

TITLE XXXIV—NAVAL PETROLEUM RESERVES

Sec. 3401. Authorization of appropriations.

13 **SEC. 3401. AUTHORIZATION OF APPROPRIATIONS.**

14 (a) AMOUNT.—There are hereby authorized to be ap-  
15 propriated to the Secretary of Energy \$10,000,000 for fis-  
16 cal year 2019 for the purpose of carrying out activities  
17 under chapter 641 of title 10, United States Code, relating  
18 to the naval petroleum reserves.

19 (b) PERIOD OF AVAILABILITY.—Funds appropriated  
20 pursuant to the authorization of appropriations in sub-  
21 section (a) shall remain available until expended.

1           **TITLE XXXV—MARITIME**  
2                           **MATTERS**

TITLE XXXV—MARITIME MATTERS

Subtitle A—Maritime Administration

- Sec. 3501. Authorization of the Maritime Administration.
- Sec. 3502. Compliance by Ready Reserve Fleet vessels with SOLAS lifeboats and fire suppression requirements.
- Sec. 3503. Maritime Administration National Security Multi-Mission Vessel Program.
- Sec. 3504. Permanent authority of Secretary of Transportation to issue vessel war risk insurance.
- Sec. 3505. Use of State maritime academy training vessels.
- Sec. 3506. Concurrent jurisdiction.
- Sec. 3507. United States Merchant Marine Academy policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking.
- Sec. 3508. Report on implementation of recommendations for the United States Merchant Marine Academy Sexual Assault Prevention and Response Program.
- Sec. 3509. Report on the application of the Uniform Code of Military Justice to the United States Merchant Marine Academy.
- Sec. 3510. Electronic records on mariner availability to meet national security needs.
- Sec. 3511. Small shipyard grants.
- Sec. 3512. Sea year on contracted vessels.
- Sec. 3513. GAO report on national maritime strategy.
- Sec. 3514. Multi-year contracts.
- Sec. 3515. Miscellaneous.
- Sec. 3516. Department of Transportation Inspector General report on Title XI program.

Subtitle B—Coast Guard

- Sec. 3521. Alignment with Department of Defense and sea services authorities.
- Sec. 3522. Preliminary development and demonstration.
- Sec. 3523. Contract termination.
- Sec. 3524. Reimbursement for travel expenses.
- Sec. 3525. Capital investment plan.
- Sec. 3526. Major acquisition program risk assessment.
- Sec. 3527. Marine safety implementation status.
- Sec. 3528. Retirement of Vice Commandant.
- Sec. 3529. Large recreational vessel regulations.

Subtitle C—Coast Guard and Shipping Technical Corrections

CHAPTER 1—COAST GUARD

- Sec. 3531. Commandant defined.
- Sec. 3532. Training course on workings of Congress.
- Sec. 3533. Miscellaneous.
- Sec. 3534. Department of Defense consultation.
- Sec. 3535. Repeal.

- Sec. 3536. Mission need statement.
- Sec. 3537. Continuation on active duty.
- Sec. 3538. System acquisition authorization.
- Sec. 3539. Inventory of real property.

CHAPTER 2—MARITIME TRANSPORTATION

- Sec. 3541. Definitions.
- Sec. 3542. Authority to exempt vessels.
- Sec. 3543. Passenger vessels.
- Sec. 3544. Tank vessels.
- Sec. 3545. Grounds for denial or revocation.
- Sec. 3546. Miscellaneous corrections to title 46, U.S.C.
- Sec. 3547. Miscellaneous corrections to Oil Pollution Act of 1990.
- Sec. 3548. Miscellaneous corrections.

1                                   **Subtitle A—Maritime**  
2                                   **Administration**

3   **SEC. 3501. AUTHORIZATION OF THE MARITIME ADMINIS-**  
4                                   **TRATION.**

5           (a) IN GENERAL.—There are authorized to be appro-  
6   priated to the Department of Transportation for fiscal  
7   year 2019, to be available without fiscal year limitation  
8   if so provided in appropriations Acts, for programs associ-  
9   ated with maintaining the United States merchant marine,  
10  the following amounts:

11                   (1) For expenses necessary for operations of the  
12   United States Merchant Marine Academy,  
13   \$74,593,000, of which—

14                           (A) \$70,593,000 shall be for Academy op-  
15   erations; and

16                           (B) \$4,000,000 shall remain available until  
17   expended for capital asset management at the  
18   Academy.

1           (2) For expenses necessary to support the State  
2 maritime academies, \$32,200,000, of which—

3           (A) \$2,400,000 shall remain available until  
4 September 30, 2019, for the Student Incentive  
5 Program;

6           (B) \$6,000,000 shall remain available until  
7 expended for direct payments to such acad-  
8 emies;

9           (C) \$22,000,000 shall remain available  
10 until expended for maintenance and repair of  
11 State maritime academy training vessels; and

12           (D) \$1,800,000 shall remain available until  
13 expended for training ship fuel assistance.

14           (3) For expenses necessary to support the Na-  
15 tional Security Multi-Mission Vessel Program,  
16 \$300,000,000, which shall remain available until ex-  
17 pended.

18           (4) For expenses necessary to support Maritime  
19 Administration operations and programs,  
20 \$60,442,000, of which \$5,000,000 shall remain  
21 available until expended for port infrastructure de-  
22 velopment under section 50302 of title 46, United  
23 States Code.

1           (5) For expenses necessary to dispose of vessels  
2           in the National Defense Reserve Fleet, \$5,000,000,  
3           which shall remain available until expended.

4           (6) For expenses necessary to maintain and  
5           preserve a United States flag merchant marine to  
6           serve the national security needs of the United  
7           States under chapter 531 of title 46, United States  
8           Code, \$300,000,000.

9           (7) For expenses necessary for the loan guar-  
10          antee program authorized under chapter 537 of title  
11          46, United States Code, \$33,000,000, of which—

12                 (A) \$30,000,000 may be used for the cost  
13                 (as defined in section 502(5) of the Federal  
14                 Credit Reform Act of 1990 (2 U.S.C. 661a(5)))  
15                 of loan guarantees under the program; and

16                 (B) \$3,000,000 may be used for adminis-  
17                 trative expenses relating to loan guarantee com-  
18                 mitments under the program.

19          (8) For expenses necessary to provide assist-  
20          ance to small shipyards and for maritime training  
21          programs under section 54101 of title 46, United  
22          States Code, \$35,000,000.

23          (b) CAPITAL ASSET MANAGEMENT PROGRAM RE-  
24          PORT.—Not later than 180 days after the date of the en-  
25          actment of this Act, the Maritime Administrator shall sub-

1 mit to the Committee on Commerce, Science, and Trans-  
2 portation of the Senate and the Committee on Armed  
3 Services and the Committee on Transportation and Infra-  
4 structure of the House of Representatives a report on the  
5 status of unexpended appropriations for capital asset man-  
6 agement at the United States Merchant Marine Academy,  
7 and the plan for expending such appropriations.

8 **SEC. 3502. COMPLIANCE BY READY RESERVE FLEET VES-**  
9 **SELS WITH SOLAS LIFEBOATS AND FIRE SUP-**  
10 **PPRESSION REQUIREMENTS.**

11 The Secretary of Defense shall, consistent with sec-  
12 tion 2244a of title 10, United States Code, use authority  
13 under section 2218 of such title to make such modifica-  
14 tions to Ready Reserve Fleet vessels as are necessary for  
15 such vessels to comply requirements for lifeboats and fire  
16 suppression under the International Convention for the  
17 Safety of Life at Sea by not later than October 1, 2021.

18 **SEC. 3503. MARITIME ADMINISTRATION NATIONAL SECU-**  
19 **RITY MULTI-MISSION VESSEL PROGRAM.**

20 Section 3505 of the National Defense Authorization  
21 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
22 2776) is amended by adding at the end the following:

23 “(h) LIMITATION ON USE OF FUNDS FOR USED VES-  
24 SELS.—Amounts authorized by this or any other Act for  
25 use by the Maritime Administration to carry out this sec-

1 tion may not be used for the procurement of any used  
2 vessel.”.

3 **SEC. 3504. PERMANENT AUTHORITY OF SECRETARY OF**  
4 **TRANSPORTATION TO ISSUE VESSEL WAR**  
5 **RISK INSURANCE.**

6 (a) IN GENERAL.—Section 53912 of title 46, United  
7 States Code, is repealed.

8 (b) CLERICAL AMENDMENT.—The table of sections  
9 at the beginning of chapter 539 of title 46, United States  
10 Code, is amended by striking the item relating to section  
11 53912.

12 **SEC. 3505. USE OF STATE MARITIME ACADEMY TRAINING**  
13 **VESSELS.**

14 Section 51504(g) of title 46, United States Code, is  
15 amended to read as follows:

16 “(g) VESSEL SHARING.—

17 “(1) IN GENERAL.—Not later than 90 days  
18 after the date of enactment of the National Defense  
19 Authorization Act for Fiscal Year 2019, the Sec-  
20 retary, acting through the Maritime Administrator,  
21 shall upon consultation with the maritime acad-  
22 emies, and to the extent feasible with the consent of  
23 the maritime academies, implement a program of  
24 training vessel sharing, requiring maritime acad-  
25 emies to share training vessel provided by the Sec-

1       retary among maritime academies, as necessary to  
2       ensure that training needs of each academy are met.

3               “(2) PROGRAM OF VESSEL SHARING.—For pur-  
4       poses of this subsection, a program of vessel sharing  
5       shall include—

6               “(A) ways to maximize the available under-  
7       way training available in the fleet of training  
8       vessels;

9               “(B) coordinating the dates and duration  
10       of training cruises with the academic calendars  
11       of maritime academies;

12              “(C) coordinating academic programs de-  
13       signed to be implemented aboard training ves-  
14       sels among maritime academies; and

15              “(D) identifying ways to minimize costs.

16              “(3) ADDITIONAL FUNDING.—Subject to the  
17       availability of appropriations, the Maritime Adminis-  
18       trator may provide additional funding to State mari-  
19       time academies during periods of limited training  
20       vessel capacity, for costs associated with training  
21       vessel sharing.

22              “(4) EVALUATION.—Not later than 30 days  
23       after the beginning of each fiscal year, the Sec-  
24       retary, acting through the Maritime Administrator,  
25       shall evaluate the vessel sharing program under this

1 subsection to determine the optimal utilization of  
2 State maritime training vessels, and modify the pro-  
3 gram as necessary to improve utilization.”.

4 **SEC. 3506. CONCURRENT JURISDICTION.**

5 Notwithstanding any other law, the Secretary of  
6 Transportation may relinquish, at the Secretary’s discre-  
7 tion, to the State of New York, such measure of legislative  
8 jurisdiction over the lands constituting the United States  
9 Merchant Marine Academy in King’s Point, New York, as  
10 is necessary to establish concurrent jurisdiction between  
11 the Federal Government and the State of New York. Such  
12 partial relinquishment of legislative jurisdiction shall be  
13 accomplished—

14 (1) by filing with the Governor of New York a  
15 notice of relinquishment to take effect upon accept-  
16 ance thereof; or

17 (2) as the laws of that State may provide.

18 **SEC. 3507. UNITED STATES MERCHANT MARINE ACADEMY**  
19 **POLICY ON SEXUAL HARASSMENT, DATING**  
20 **VIOLENCE, DOMESTIC VIOLENCE, SEXUAL AS-**  
21 **SAULT, AND STALKING.**

22 (a) POLICY ON SEXUAL HARASSMENT, DATING VIO-  
23 LENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND  
24 STALKING.—Section 51318 of title 46, United States  
25 Code, is amended—

1 (1) in subsection (a)(2)—

2 (A) in subparagraph (A), by inserting  
3 “and prevention” after “awareness”;

4 (B) by redesignating subparagraph (B) as  
5 subparagraph (C), and subparagraphs (C)  
6 through (F) as subparagraphs (E) through (H),  
7 respectively;

8 (C) by inserting after subparagraph (A)  
9 the following:

10 “(B) procedures for documenting, track-  
11 ing, and maintaining the data required to con-  
12 duct the annual assessments to determine the  
13 effectiveness of the policies, procedures, and  
14 training program of the Academy with respect  
15 to sexual harassment, dating violence, domestic  
16 violence, sexual assault, and stalking involving  
17 cadets or other Academy personnel, as required  
18 by subsection (c);”; and

19 (D) by inserting after subparagraph (C),  
20 as redesignated by subparagraph (B), the fol-  
21 lowing:

22 “(D) procedures for investigating sexual  
23 harassment, dating violence, domestic violence,  
24 sexual assault, or stalking involving a cadet or

1 other Academy personnel to determine whether  
2 disciplinary action is necessary;”;

3 (2) in subsection (b)(2)(A), by inserting “and  
4 other Academy personnel” after “cadets at the  
5 Academy”; and

6 (3) in subsection (d)—

7 (A) in paragraph (2)(A) by inserting “, in-  
8 cluding sexual harassment,” after “sexual as-  
9 saults, rapes, and other sexual offenses”; and

10 (B) in paragraph (4)(B), by striking “The  
11 Secretary” and inserting “Not later than Janu-  
12 ary 15 of each year, the Secretary”.

13 (b) IMPLEMENTATION.—The Superintendent of the  
14 United States Merchant Marine Academy may implement  
15 the amendment to subsection (b)(2)(A) of section 51318  
16 of title 46, United States Code, made by subsection (a)(2),  
17 by updating an existing plan issued pursuant to the Na-  
18 tional Defense Authorization Act for Fiscal Year 2018  
19 (Public Law 115–91).

1 **SEC. 3508. REPORT ON IMPLEMENTATION OF REC-**  
2 **COMMENDATIONS FOR THE UNITED STATES**  
3 **MERCHANT MARINE ACADEMY SEXUAL AS-**  
4 **SAULT PREVENTION AND RESPONSE PRO-**  
5 **GRAM.**

6 Not later than April 1, 2019, the Maritime Adminis-  
7 trator shall submit to the Committee on Commerce,  
8 Science, and Transportation of the Senate and the Com-  
9 mittee on Armed Services and the Committee on Trans-  
10 portation and Infrastructure of the House of Representa-  
11 tives a report describing the progress of the Maritime Ad-  
12 ministration in implementing and closing each of the rec-  
13 ommendations made in the Office of Inspector General's  
14 Report issued March 28, 2018 (ST-2018-039) identifying  
15 gaps in the United States Merchant Marine Academy's  
16 Sexual Assault Prevention and Response Program.

17 **SEC. 3509. REPORT ON THE APPLICATION OF THE UNIFORM**  
18 **CODE OF MILITARY JUSTICE TO THE UNITED**  
19 **STATES MERCHANT MARINE ACADEMY.**

20 (a) REPORT.—Not later than 180 days after the date  
21 of the enactment of this Act, the Maritime Administrator  
22 shall submit a report to the Committee on Commerce,  
23 Science, and Transportation of the Senate and the Com-  
24 mittee on Armed Services and the Committee on Trans-  
25 portation and Infrastructure of the House of Representa-  
26 tives on the impediments to the application of the Uniform

1 Code of Military Justice at the United States Merchant  
2 Marine Academy.

3 (b) CONSULTATION.—The Maritime Administrator  
4 may, in preparing the report under subsection (a), consult  
5 with the Department of Defense, other Federal agencies,  
6 and non-Federal entities, as appropriate.

7 **SEC. 3510. ELECTRONIC RECORDS ON MARINER AVAIL-**  
8 **ABILITY TO MEET NATIONAL SECURITY**  
9 **NEEDS.**

10 The Secretary of the department in which the Coast  
11 Guard is operating shall ensure that electronic records  
12 maintained under section 7502 of title 46, United States  
13 Code, are able to be used by the Secretary of Transpor-  
14 tation—

15 (1) to determine the potential availability of  
16 mariners credentialed under part E of subtitle II of  
17 title 46, United States Code, to meet national secu-  
18 rity sealift needs; and

19 (2) to receive information on the qualification  
20 of such mariners.

21 **SEC. 3511. SMALL SHIPYARD GRANTS.**

22 Section 54101(b) of title 46, United States Code, is  
23 amended—

24 (1) by redesignating paragraphs (2) and (3) as  
25 paragraphs (3) and (4), respectively;

1 (2) by inserting after paragraph (1) the fol-  
2 lowing:

3 “(2) TIMING OF GRANT NOTICE.—The Adminis-  
4 trator shall post a Notice of Funding Opportunity  
5 regarding grants awarded under this section not  
6 more than 15 days after the date of enactment of  
7 the appropriations Act for the fiscal year con-  
8 cerned.”; and

9 (3) in paragraph (4), as redesignated by para-  
10 graph (1), by striking “paragraph (2)” and inserting  
11 “paragraph (3)”.

12 **SEC. 3512. SEA YEAR ON CONTRACTED VESSELS.**

13 Section 51307 of title 46, United States Code, is  
14 amended—

15 (1) by striking “The Secretary” and inserting  
16 the following:

17 “(a) IN GENERAL.—The Secretary”;

18 (2) in paragraph (1) of subsection (a), by strik-  
19 ing “owned or subsidized by” and inserting “owned,  
20 subsidized by, or contracted with”; and

21 (3) by adding at the end the following:

22 “(b) MARITIME SECURITY PROGRAM VESSELS.—The  
23 Secretary shall require an operator of a vessel partici-  
24 pating in the Maritime Security Program under chapter  
25 531 of this title to carry on each Maritime Security Pro-

1 gram vessel 2 United States Merchant Marine Academy  
3 cadets, if available, on each voyage.

4 “(c) MILITARY SEALIFT COMMAND VESSELS.—

5 “(1) IN GENERAL.—Except as provided in para-  
6 graph (2), the Commander of the Military Sealift  
7 Command shall require an operator of a vessel in  
8 the United States Navy’s Military Sealift Command  
9 to carry on each such vessel 2 United States Mer-  
10 chant Marine Academy cadets, if available, on each  
11 voyage, if the vessel—

12 “(A) is flagged in the United States; and

13 “(B) is rated at 10,000 gross tons or high-  
14 er.

15 “(2) WAIVER.—The Commander of the Military  
16 Sealift Command may waive the requirement under  
17 paragraph (1) at any time if the Commander deter-  
18 mines that carrying a cadet from the United States  
19 Merchant Marine Academy would place an undue  
20 burden on the vessel or the operator of the vessel.

21 “(d) DEFINITION OF OPERATOR.—In this section,  
22 the term ‘operator’ includes a government operator and  
23 a non-government operator.

24 “(e) SAVINGS CLAUSE.—Nothing in this section may  
be construed as affecting—

1           “(1) the discretion of the Secretary to deter-  
2           mine whether to place a United States Merchant  
3           Marine Academy cadet on a vessel;

4           “(2) the authority of the Coast Guard regard-  
5           ing a vessel security plan approved under section  
6           70103; or

7           “(3) the discretion of the master of the vessel  
8           to ensure the safety of all crew members.”.

9   **SEC. 3513. GAO REPORT ON NATIONAL MARITIME STRAT-**  
10                                   **EGY.**

11           (a) REPORT.—Not later than 12 months after the  
12           date of the enactment of this Act, the Comptroller General  
13           of the United States shall complete a study and submit  
14           to the Committee on Commerce, Science, and Transpor-  
15           tation of the Senate, the Committee on Armed Services  
16           of the House of Representatives, and the Committee on  
17           Transportation and Infrastructure of the House of Rep-  
18           resentatives, a report on—

19           (1) the key challenges, if any, to ensuring that  
20           the United States marine transportation system and  
21           merchant marine are sufficient to support United  
22           States economic and defense needs, as articulated by  
23           the Maritime Administration, the Committee on the  
24           Marine Transportation System, and other stake-  
25           holders;

1           (2) the extent to which a national maritime  
2 strategy incorporates desirable characteristics of suc-  
3 cessful national strategies as identified by the Comp-  
4 troller General, and any key obstacles (as identified  
5 by stakeholders) to successfully implementing such  
6 strategies; and

7           (3) the extent to which Federal efforts to estab-  
8 lish a national maritime strategy are duplicative or  
9 fragmented, and if so, the impact on United States  
10 maritime policy for the future.

11       (b) DEADLINE.—Subsection (a) of section 603 of the  
12 Howard Coble Coast Guard and Maritime Transportation  
13 Act of 2014 (Public Law 113–281; 128 Stat. 3061) is  
14 amended by striking “Not later than 60 days after the  
15 date of the enactment of this Act” and inserting “Not  
16 later than 18 months after the date of the enactment of  
17 the John S. McCain National Defense Authorization Act  
18 for Fiscal Year 2019”.

19 **SEC. 3514. MULTI-YEAR CONTRACTS.**

20       Section 3505 of the National Defense Authorization  
21 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
22 2776), as amended by section 3503 of this Act, is further  
23 amended by adding at the end the following:

24       “(i) CONTRACTING AUTHORITY NOT AFFECTED.—  
25 Nothing in this section may be construed to prohibit the

1 entity responsible for contracting from entering into a  
2 multiple-year or block contract for the procurement of up  
3 to 6 new vessels and associated Government-furnished  
4 equipment, subject to the availability of appropriations.”.

5 **SEC. 3515. MISCELLANEOUS.**

6 (a) NONCOMMERCIAL VESSELS.—Section 3514(a) of  
7 the National Defense Authorization Act for Fiscal Year  
8 2017 (Public Law 114–328; 46 U.S.C. 51318 note) is  
9 amended—

10 (1) by striking “Not later than” and inserting  
11 the following:

12 “(1) IN GENERAL.—Not later than”; and

13 (2) by redesignating paragraphs (1) and (2) as  
14 subparagraphs (A) and (B), respectively, and adjust-  
15 ing the margins accordingly; and

16 (3) by adding at the end the following:

17 “(2) NONCOMMERCIAL VESSELS.—For the pur-  
18 poses of this section, vessels operated by any of the  
19 following entities shall not be considered commercial  
20 vessels:

21 “(A) Any entity or agency of the United  
22 States.

23 “(B) The government of a State or terri-  
24 tory.

1                   “(C) Any political subdivision of a State or  
2                   territory.

3                   “(D) Any other municipal organization.”.

4           (b) PASSENGER RECORDS.—Section 51322(c) of title  
5 46, United States Code, is amended to read as follows:

6           “(c) MAINTENANCE OF SEXUAL ASSAULT TRAINING  
7 RECORDS.—The Maritime Administrator shall require the  
8 owner or operator of a commercial vessel, or the seafarer  
9 union for a commercial vessel, to maintain records of sex-  
10 ual assault training for any person required to have such  
11 training.”.

12           (c) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN-  
13 ISTRATION.—Section 3134 of title 40, United States Code,  
14 is amended by adding at the end the following:

15           “(c) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN-  
16 ISTRATION.—The Secretary of Commerce may waive this  
17 subchapter with respect to contracts for the construction,  
18 alteration, or repair of vessels, regardless of the terms of  
19 the contracts as to payment or title, when the contract  
20 is made under the Act entitled ‘An Act to define the func-  
21 tions and duties of the Coast and Geodetic Survey, and  
22 for other purposes’, approved August 6, 1947 (33 U.S.C.  
23 883a et seq.).”.

1 (d) ANNUAL PAYMENTS FOR MAINTENANCE AND  
2 SUPPORT.—Section 51505(b)(2) of title 46 is amended to  
3 read as follows:

4 “(2) MAXIMUM.—The amount under paragraph  
5 (1) may not be more than \$25,000, unless the acad-  
6 emy satisfies section 51506(b) of this title.”.

7 **SEC. 3516. DEPARTMENT OF TRANSPORTATION INSPECTOR**  
8 **GENERAL REPORT ON TITLE XI PROGRAM.**

9 Not later than 180 days after the date of enactment  
10 of this Act, the Department of Transportation Office of  
11 Inspector General shall—

12 (1) initiate an audit of the financial controls  
13 and protections included in the policies and proce-  
14 dures of the Department of Transportation for ap-  
15 proving loan applications for the loan guarantee pro-  
16 gram authorized under chapter 537 of title 46,  
17 United States Code; and

18 (2) submit to the Committee on Commerce,  
19 Science, and Transportation of the Senate and the  
20 Committee on Armed Services and the Committee on  
21 Transportation and Infrastructure of the House of  
22 Representatives a report containing the results of  
23 that audit once the audit is completed.

1                   **Subtitle B—Coast Guard**

2   **SEC. 3521. ALIGNMENT WITH DEPARTMENT OF DEFENSE**  
3                   **AND SEA SERVICES AUTHORITIES.**

4           (a) PROHIBITING SEXUAL HARASSMENT; REPORT.—

5                   (1) NOTIFICATION.—

6                           (A) IN GENERAL.—The Commandant of  
7                   the Coast Guard shall notify the Committee on  
8                   Transportation and Infrastructure and the  
9                   Committee on Homeland Security of the House  
10                  of Representatives and the Committee on Com-  
11                  merce, Science, and Transportation of the Sen-  
12                  ate on August 26, 2018, if there is not in effect  
13                  a general order or regulation prohibiting sexual  
14                  harassment by members of the Coast Guard  
15                  and clearly stating that a violation of such  
16                  order or regulation is punishable in accordance  
17                  with the Uniform Code of Military Justice.

18                           (B) CONTENTS.—The notification required  
19                  under subparagraph (A) shall include—

20                                   (i) details regarding the status of the  
21                                  drafting of such general order or regula-  
22                                  tion;

23                                   (ii) a projected implementation  
24                                  timeline for such general order or regula-  
25                                  tion; and

1 (iii) an explanation regarding any bar-  
2 riers to implementation.

3 (2) REPORT.—Section 217 of the Coast Guard  
4 Authorization Act of 2010 (Public Law 111–281; 14  
5 U.S.C. 93 note) is amended—

6 (A) in subsection (a), by inserting “and in-  
7 cidents of sexual harassment” after “sexual as-  
8 saults”; and

9 (B) in subsection (b)—

10 (i) in paragraph (1), by inserting  
11 “and incidents of sexual harassment” after  
12 “sexual assaults” each place it appears;

13 (ii) in paragraph (3), by inserting  
14 “and sexual harassment” after “sexual as-  
15 sault”; and

16 (iii) in paragraph (4), by inserting  
17 “and sexual harassment” after “sexual as-  
18 sault”.

19 (b) ANNUAL PERFORMANCE REPORT.—

20 (1) IN GENERAL.—Chapter 29 of title 14,  
21 United States Code, is amended by adding at the  
22 end the following:

23 **“§ 2905. Annual performance report**

24 “Not later than the date on which the President sub-  
25 mits to Congress a budget pursuant to section 1105 of

1 title 31, the Commandant of the Coast Guard shall make  
2 available on a public website and submit to the Committee  
3 on Transportation and Infrastructure of the House of  
4 Representatives and the Committee on Commerce,  
5 Science, and Transportation of the Senate an update on  
6 Coast Guard mission performance during the previous fis-  
7 cal year.”.

8 (2) CLERICAL AMENDMENT.—The analysis at  
9 the beginning of such chapter is amended by adding  
10 at the end the following:

“2905. Annual performance report.”.

11 **SEC. 3522. PRELIMINARY DEVELOPMENT AND DEMONSTRATION.**  
12 **TION.**

13 Section 573 of title 14, United States Code, is  
14 amended—

15 (1) in subsection (b)(3), by—

16 (A) striking “require that safety concerns  
17 identified” and inserting “ensure that inde-  
18 pendent third parties and Government employ-  
19 ees that identify safety concerns”; and

20 (B) striking “Coast Guard shall be com-  
21 municated as” and inserting “Coast Guard  
22 communicate such concerns as”;

23 (2) in subsection (b)(4), by striking “Any safety  
24 concerns that have been reported to the Chief Acqui-  
25 sition Officer for an acquisition program or project

1 shall be reported by the Commandant” and inserting  
2 “The Commandant shall ensure that any safety con-  
3 cerns that have been communicated under paragraph  
4 (3) for an acquisition program or project are re-  
5 ported”;

6 (3) in subsection (b)(5)—

7 (A) by striking the matter preceding sub-  
8 paragraph (A) and inserting the following:

9 “(5) ASSET ALREADY IN LOW, INITIAL, OR  
10 FULL-RATE PRODUCTION.—The Commandant shall  
11 ensure that if an independent third party or a Gov-  
12 ernment employee identifies a safety concern with a  
13 capability or asset or any subsystems of a capability  
14 or asset not previously identified during operational  
15 test and evaluation of a capability or asset already  
16 in low, initial, or full-rate production—”;

17 (B) in subparagraph (A), by inserting “the  
18 Commandant, through the Assistant Com-  
19 mandant for Capability, shall” before “notify”;  
20 and

21 (C) in subparagraph (B), by striking “no-  
22 tify the Chief Acquisition Officer and include in  
23 such notification” and inserting “the Deputy  
24 Commandant for Mission Support shall notify  
25 the Commandant and the Deputy Commandant

1 for Operations of the safety concern within 50  
2 days after the notification required under sub-  
3 paragraph (A), and include in such notifica-  
4 tion”; and

5 (4) in subsection (c)—

6 (A) in paragraph (2)(A), by striking “and  
7 that are delivered after the date of enactment  
8 of the Coast Guard Authorization Act of 2010”;  
9 and

10 (B) in paragraph (5), by striking “and de-  
11 livered after the date of enactment of the Coast  
12 Guard Authorization Act of 2010”.

13 **SEC. 3523. CONTRACT TERMINATION.**

14 (a) IN GENERAL.—Chapter 17 of title 14, United  
15 States Code, is amended by inserting after section 656 the  
16 following:

17 **“§ 657. Contract termination**

18 “(a) IN GENERAL.—

19 “(1) NOTIFICATION.—Before terminating a  
20 procurement or acquisition contract with a total  
21 value of more than \$1,000,000, the Commandant of  
22 the Coast Guard shall notify each vendor under such  
23 contract and require the vendor to maintain all work  
24 product related to the contract until the earlier of—

1           “(A) not less than 1 year after the date of  
2           the notification; or

3           “(B) the date the Commandant notifies  
4           the vendor that maintenance of such work prod-  
5           uct is no longer required.

6           “(b) WORK PRODUCT DEFINED.—In this section the  
7           term ‘work product’—

8           “(1) means tangible and intangible items and  
9           information produced or possessed as a result of a  
10          contract referred to in subsection (a); and

11          “(2) includes—

12                 “(A) any completed end items;

13                 “(B) any uncompleted end items; and

14                 “(C) any property in the contractor’s pos-  
15                 session in which the United States Government  
16                 has an interest.

17          “(c) PENALTY.—A vendor that fails to maintain work  
18          product as required under subsection (a) is liable to the  
19          United States for a civil penalty of not more than \$25,000  
20          for each day on which such work product is unavailable.

21          “(d) REPORT.—

22                 “(1) IN GENERAL.—Except as provided in para-  
23                 graph (2), not later than 45 days after the end of  
24                 each fiscal year the Commandant of the Coast  
25                 Guard shall provide to the Committee on Transpor-

1       tation and Infrastructure of the House of Represent-  
2       atives and the Committee on Commerce, Science,  
3       and Transportation of the Senate a report detail-  
4       ing—

5               “(A) all Coast Guard contracts with a total  
6       value of more than \$1,000,000 that were termi-  
7       nated in the fiscal year;

8               “(B) all vendors who were notified under  
9       subsection (a)(1) in the fiscal year, and the  
10      date of such notification;

11              “(C) all criminal, administrative, and other  
12      investigations regarding any contract with a  
13      total value of more than \$1,000,000 that were  
14      initiated by the Coast Guard in the fiscal year;

15              “(D) all criminal, administrative, and  
16      other investigations regarding contracts with a  
17      total value of more than \$1,000,000 that were  
18      completed by the Coast Guard in the fiscal  
19      year; and

20              “(E) an estimate of costs incurred by the  
21      Coast Guard, including contract line items and  
22      termination costs, as a result of the require-  
23      ments of this section.

24              “(2) LIMITATION.—The Commandant is not re-  
25      quired to provide a report under paragraph (1) for

1 any fiscal year for which there is no responsive in-  
2 formation as described in subparagraphs (A)  
3 through (E) of paragraph (1).”.

4 (b) CLERICAL AMENDMENT.—The analysis at the be-  
5 ginning of such chapter is amended by inserting after the  
6 item relating to section 656 the following:

“657. Contract termination.”.

7 **SEC. 3524. REIMBURSEMENT FOR TRAVEL EXPENSES.**

8 The text of section 518 of title 14, United States  
9 Code is amended to read as follows:

10 “In any case in which a covered beneficiary (as defined  
11 in section 1072(5) of title 10) resides on an island that  
12 is located in the 48 contiguous States and the District of  
13 Columbia and that lacks public access roads to the main-  
14 land, the Secretary shall reimburse the reasonable travel  
15 expenses of the covered beneficiary and, when accompani-  
16 ment by an adult is necessary, for a parent or guardian  
17 of the covered beneficiary or another member of the cov-  
18 ered beneficiary’s family who is at least 21 years of age,  
19 if—

20 “(1) the covered beneficiary is referred by a pri-  
21 mary care physician to a specialty care provider (as  
22 defined in section 1074i(b) of title 10) on the main-  
23 land who provides services less than 100 miles from  
24 the location where the beneficiary resides; or

1           “(2) the Coast Guard medical regional manager  
2           for the area in which such island is located deter-  
3           mines that the covered beneficiary requires services  
4           of a primary care, specialty care, or dental provider  
5           and such a provider who is part of the network of  
6           providers of a TRICARE program (as that term is  
7           defined in section 1072(7) of title 10) does not prac-  
8           tice on such island.”.

9   **SEC. 3525. CAPITAL INVESTMENT PLAN.**

10          Section 2902(a) of title 14, United States Code, is  
11          amended—

12                 (1) by striking “On the date” and inserting  
13                 “Not later than 60 days after the date”;

14                 (2) in paragraph (1)(D), by striking “and”; and

15                 (3) by inserting after paragraph (1)(E) the fol-  
16          lowing:

17                         “(F) projected commissioning and decom-  
18                         missioning dates for each asset; and”.

19   **SEC. 3526. MAJOR ACQUISITION PROGRAM RISK ASSESS-**  
20                         **MENT.**

21          (a) IN GENERAL.—Chapter 29 of title 14, United  
22          States Code, as amended by section 3521(b)(1) of this  
23          Act, is further amended by adding at the end the fol-  
24          lowing:

1 **“§ 2906. Major acquisition program risk assessment**

2 “(a) IN GENERAL.—Not later than April 15 and Oc-  
3 tober 15 of each year, the Commandant of the Coast  
4 Guard shall provide to the Committee on Transportation  
5 and Infrastructure of the House of Representatives and  
6 the Committee on Commerce, Science, and Transportation  
7 of the Senate a briefing regarding a current assessment  
8 of the risks associated with all current major acquisition  
9 programs, as that term is defined in section 2903(f).

10 “(b) ELEMENTS.—Each assessment under this sub-  
11 section shall include, for each current major acquisition  
12 program, discussion of the following:

13 “(1) The top five current risks to such pro-  
14 gram.

15 “(2) Any failure of such program to dem-  
16 onstrate a key performance parameter or threshold  
17 during operational test and evaluation conducted  
18 during the 2 fiscal-year quarters preceding such as-  
19 sessment.

20 “(3) Whether there has been any decision in  
21 such 2 fiscal-year quarters to order full-rate produc-  
22 tion before all key performance parameters or  
23 thresholds are met.

24 “(4) Whether there has been any breach of  
25 major acquisition program cost (as defined by the

1 Major Systems Acquisition Manual) in such 2 fiscal-  
2 year quarters.

3 “(5) Whether there has been any breach of  
4 major acquisition program schedule (as so defined)  
5 during such 2 fiscal-year quarters.”.

6 (b) CLERICAL AMENDMENT.—The analysis at the be-  
7 ginning of such chapter is further amended by adding at  
8 the end the following:

“2906. Major acquisition program risk assessment.”.

9 (c) CONFORMING AMENDMENTS.—Section 2903 of  
10 title 14, United States Code, is amended—

11 (1) by striking subsection (f); and

12 (2) by redesignating subsection (g) as sub-  
13 section (f).

14 **SEC. 3527. MARINE SAFETY IMPLEMENTATION STATUS.**

15 On the date on which the President submits to Con-  
16 gress a budget for fiscal year 2020 under section 1105  
17 of title 31, and on such date for each of the 2 subsequent  
18 years, the Commandant of the Coast Guard shall submit  
19 to the Committee on Transportation and Infrastructure  
20 of the House of Representatives and the Committee on  
21 Commerce, Science, and Transportation of the Senate a  
22 report on the status of implementation of each action out-  
23 lined in the Commandant’s final action memo dated De-  
24 cember 19, 2017.

1 **SEC. 3528. RETIREMENT OF VICE COMMANDANT.**

2 (a) IN GENERAL.—Section 46 of title 14, United  
3 States Code, is amended—

4 (1) in the section heading, by inserting “**or**  
5 **Vice Commandant**” after “**Commandant**”;

6 (2) by redesignating subsection (a) as sub-  
7 section (a)(1);

8 (3) by adding at the end of subsection (a) the  
9 following:

10 “(2) A Vice Commandant who is not reappointed or  
11 appointed Commandant shall be retired with the grade of  
12 admiral at the expiration of the appointed term, except  
13 as provided in section 51(d).”;

14 (4) in subsections (b) and (c), by inserting “or  
15 Vice Commandant” after “Commandant” each place  
16 it appears; and

17 (5) in subsection (c), by striking “his” and in-  
18 serting “the officer’s”.

19 (b) CONFORMING AMENDMENT.—Section 51 of title  
20 14, United States Code, is amended by striking “other  
21 than the Commandant,” each place it appears and insert-  
22 ing “other than the Commandant or Vice Commandant,”.

23 (c) CLERICAL AMENDMENT.—The analysis at the be-  
24 ginning of chapter 3 of title 14, United States Code, is

1 amended by striking the item relating to section 46 and  
2 inserting the following:

“46. Retirement of Commandant or Vice Commandant.”.

3 **SEC. 3529. LARGE RECREATIONAL VESSEL REGULATIONS.**

4 (a) IN GENERAL.—

5 (1) ISSUANCE.—The Secretary of the depart-  
6 ment in which the Coast Guard is operating shall  
7 issue large recreational vessel regulations applicable  
8 to any recreational vessel (as defined in section 2101  
9 of title 46, United States Code) over 300 gross tons  
10 as measured under section 14502 of such title, or an  
11 alternate tonnage measured under section 14302 of  
12 such title as prescribed by the Secretary under sec-  
13 tion 14104 of such title, that does not carry any  
14 cargo or passengers for hire.

15 (2) SCOPE AND CONTENT OF REGULATIONS.—

16 The regulations issued under this subsection—

17 (A) subject to subparagraph (B), shall be  
18 comparable to the code set forth in Merchant  
19 Shipping Notice 1851(M) (commonly referred  
20 to as the “Large Commercial Yacht Code  
21 (LY3)”), as published by the Maritime and  
22 Coastguard Agency of the United Kingdom on  
23 August 20, 2013, or an equivalent code, regula-  
24 tion, or standard that is acceptable to the Sec-  
25 retary; and

1 (B) shall require that, as part of the re-  
2 view of an application for documentation of a  
3 vessel that is subject to the regulations, the  
4 owner shall disclose to the Coast Guard—

5 (i) the identification and place of resi-  
6 dence of such owner; and

7 (ii) if the owner is an entity described  
8 in paragraph (2), (3), or (4) of section  
9 12103(b) of title 46, United States Code,  
10 the beneficial owners of such entity.

11 (3) DEADLINE.—The Secretary shall issue reg-  
12 ulations required by paragraph (1) by not later than  
13 one year after the date of the enactment of this Act.

14 (4) INTERIM COMPLIANCE.—Until the effective  
15 date of regulations issued under paragraph (1), a  
16 recreational vessel described in paragraph (1) shall  
17 not be subject to inspection under section 3301(7) of  
18 title 46, United States Code, if the Secretary deter-  
19 mines, as part of the review of the application for  
20 documentation submitted for the vessel by the owner  
21 of the vessel and other materials as considered nec-  
22 essary by the Secretary, that the vessel complies  
23 with the code set forth in Merchant Shipping Notice  
24 1851(M) (commonly referred to as the “Large Com-  
25 mercial Yacht Code (LY3)”), as published by the

1 Maritime and Coastguard Agency of the United  
2 Kingdom on August 20, 2013, or an equivalent code,  
3 regulation, or standard that is acceptable to the Sec-  
4 retary.

5 (5) DEFINITIONS.—

6 (A) BENEFICIAL OWNER.—In this sub-  
7 section the term “beneficial owner”—

8 (i) means, with respect to an entity,  
9 each natural person who, directly or indi-  
10 rectly—

11 (I) exercises control over the en-  
12 tity through ownership interests, vot-  
13 ing rights, agreements, or otherwise;  
14 or

15 (II) has an interest in or receives  
16 substantial economic benefits from the  
17 assets of the entity; and

18 (ii) does not include, with respect to  
19 an entity—

20 (I) a minor child;

21 (II) a person acting as a nomi-  
22 nee, intermediary, custodian, or agent  
23 on behalf of another person;

24 (III) a person acting solely as an  
25 employee of the entity and whose con-

1                   trol over or economic benefits from  
2                   the entity derives solely from the em-  
3                   ployment status of the person;

4                   (IV) a person whose only interest  
5                   in the entity is through a right of in-  
6                   heritance, unless the person otherwise  
7                   meets the definition of “beneficial  
8                   owner’” under this subparagraph; and

9                   (V) a creditor of the entity, un-  
10                  less the creditor otherwise meets the  
11                  requirements of “beneficial owner”  
12                  under this subparagraph.

13                (B) OWNER.—In this subsection, other  
14                than in subparagraph (A) of this paragraph,  
15                the term “owner” means the person who is the  
16                eligible owner of the vessel for purposes of sec-  
17                tion 12103(b) of title 46, United States Code.

18               (b) CONFORMING AMENDMENT.—Section 3302 of  
19               title 46, United States Code, is amended by adding at the  
20               end the following:

21               “(n)(1) A seagoing motor vessel is not subject to in-  
22               spection under section 3301(7) of this title if the vessel—

23               “(A) is a recreational vessel (as defined in sec-  
24               tion 2101 of this title) over 300 gross tons as meas-  
25               ured under section 14502, or an alternate tonnage

1 measured under section 14302 of this title as pre-  
2 scribed by the Secretary under section 14104 of this  
3 title;

4 “(B) does not carry any cargo or passengers for  
5 hire; and

6 “(C) is found by the Secretary to comply with  
7 large recreational vessel regulations issued by the  
8 Secretary.

9 “(2) This subsection shall apply only on and after  
10 the effective date of regulations referred to in paragraph  
11 (1)(C).”.

## 12 **Subtitle C—Coast Guard and** 13 **Shipping Technical Corrections**

### 14 **CHAPTER 1—COAST GUARD**

#### 15 **SEC. 3531. COMMANDANT DEFINED.**

16 (a) IN GENERAL.—Chapter 1 of title 14, United  
17 States Code, is amended by adding at the end the fol-  
18 lowing:

#### 19 **“§ 5. Commandant defined**

20 “In this title, the term ‘Commandant’ means the  
21 Commandant of the Coast Guard.”.

22 (b) CLERICAL AMENDMENT.—The analysis for chap-  
23 ter 1 of title 14, United States Code, is amended by add-  
24 ing at the end the following:

“5. Commandant defined.”.

1 (c) CONFORMING AMENDMENTS.—Title 14, United  
2 States Code, is amended—

3 (1) in section 58(a) by striking “Commandant  
4 of the Coast Guard” and inserting “Commandant”;

5 (2) in section 101 by striking “Commandant of  
6 the Coast Guard” and inserting “Commandant”;

7 (3) in section 693 by striking “Commandant of  
8 the Coast Guard” and inserting “Commandant”;

9 (4) in section 672a(a) by striking “Com-  
10 mandant of the Coast Guard” and inserting “Com-  
11 mandant”;

12 (5) in section 678(a) by striking “Commandant  
13 of the Coast Guard” and inserting “Commandant”;

14 (6) in section 561(a) by striking “Commandant  
15 of the Coast Guard” and inserting “Commandant”;

16 (7) in section 577(a) by striking “Commandant  
17 of the Coast Guard” and inserting “Commandant”;

18 (8) in section 581—

19 (A) by striking paragraph (4); and

20 (B) by redesignating paragraphs (5)  
21 through (12) as paragraphs (4) through (11),  
22 respectively;

23 (9) in section 200(a) by striking “Commandant  
24 of the Coast Guard” and inserting “Commandant”;

1 (10) in section 196(b)(1) by striking “Com-  
2 mandant of the Coast Guard” and inserting “Com-  
3 mandant”;

4 (11) in section 199 by striking “Commandant  
5 of the Coast Guard” and inserting “Commandant”;

6 (12) in section 429(a)(1) by striking “Com-  
7 mandant of the Coast Guard” and inserting “Com-  
8 mandant”;

9 (13) in section 423(a)(2) by striking “Com-  
10 mandant of the Coast Guard” and inserting “Com-  
11 mandant”;

12 (14) in section 2702(5) by striking “Com-  
13 mandant of the Coast Guard” and inserting “Com-  
14 mandant”; and

15 (15) in section 2902(a) by striking “Com-  
16 mandant of the Coast Guard” and inserting “Com-  
17 mandant”.

18 **SEC. 3532. TRAINING COURSE ON WORKINGS OF CON-**  
19 **GRESS.**

20 Section 60(d) of title 14, United States Code, is  
21 amended to read as follows:

22 “(d) COMPLETION OF REQUIRED TRAINING.—A  
23 Coast Guard flag officer who is newly appointed or as-  
24 signed to a billet in the National Capital Region, and a  
25 Coast Guard Senior Executive Service employee who is

1 newly employed in the National Capital Region, shall com-  
2 plete a training course that meets the requirements of this  
3 section not later than 60 days after reporting for duty.”.

4 **SEC. 3533. MISCELLANEOUS.**

5 (a) SECRETARY; GENERAL POWERS.—Section 92 of  
6 title 14, United States Code, is amended by redesignating  
7 subsections (f) through (i) as subsections (e) through (h),  
8 respectively.

9 (b) COMMANDANT; GENERAL POWERS.—Section  
10 93(a)(21) of title 14, United States Code, is amended by  
11 striking “section 30305(a)” and inserting “section  
12 30305(b)(7)”.

13 (c) ENLISTED MEMBERS.—

14 (1) DEPARTMENT OF THE ARMY AND DEPART-  
15 MENT OF THE AIR FORCE.—Section 144(b) of title  
16 14, United States Code, is amended by striking “en-  
17 listed men” each place it appears and inserting “en-  
18 listed members”.

19 (2) NAVY DEPARTMENT.—Section 145(b) of  
20 title 14, United States Code, is amended by striking  
21 “enlisted men” each place it appears and inserting  
22 “enlisted members”.

23 (3) PURCHASE OF COMMISSARY AND QUARTER-  
24 MASTER SUPPLIES.—Section 4 of the Act of May 22,  
25 1926 (44 Stat. 626, chapter 371; 33 U.S.C. 754a),

1 is amended by striking “enlisted men” and inserting  
2 “enlisted members”.

3 (d) ARCTIC MARITIME TRANSPORTATION.—Section  
4 90(f) of title 14, United States Code, is amended by strik-  
5 ing the question mark.

6 (e) LONG-TERM LEASE AUTHORITY FOR LIGHT-  
7 HOUSE PROPERTY.—Section 672a(a) of title 14, United  
8 States Code, as amended by this Act, is further amended  
9 by striking “Section 321 of chapter 314 of the Act of June  
10 30, 1932 (40 U.S.C. 303b)” and inserting “Section 1302  
11 of title 40”.

12 (f) REQUIRED CONTRACT TERMS.—Section 565 of  
13 title 14, United States Code, is amended—

14 (1) in subsection (a) by striking “awarded or  
15 issued by the Coast Guard after the date of enact-  
16 ment of the Coast Guard Authorization Act of  
17 2010”; and

18 (2) in subsection (b)(1) by striking “after the  
19 date of enactment of the Coast Guard Authorization  
20 Act of 2010”.

21 (g) ACQUISITION PROGRAM BASELINE BREACH.—  
22 Section 575(c) of title 14, United States Code, is amended  
23 by striking “certification, with a supporting explanation,  
24 that” and inserting “determination, with a supporting ex-  
25 planation, of whether”.

1 (h) ENLISTMENTS; TERM, GRADE.—Section 351(a)  
2 of title 14, United States Code, is amended by inserting  
3 “the duration of their” before “minority”.

4 (i) MEMBERS OF THE AUXILIARY; STATUS.—Section  
5 823a(b)(9) of title 14, United States Code, is amended  
6 by striking “On or after January 1, 2001, section” and  
7 inserting “Section”.

8 (j) USE OF MEMBER’S FACILITIES.—Section 826(b)  
9 of title 14, United States Code, is amended by striking  
10 “section 154 of title 23, United States Code” and insert-  
11 ing “section 30102 of title 49”.

12 (k) AVAILABILITY OF APPROPRIATIONS.—Section  
13 830(b) of title 14, United States Code, is amended by  
14 striking “1954” and inserting “1986”.

15 **SEC. 3534. DEPARTMENT OF DEFENSE CONSULTATION.**

16 Section 566 of title 14, United States Code, is  
17 amended—

18 (1) in subsection (b) by striking “enter into”  
19 and inserting “maintain”; and

20 (2) by striking subsection (d).

21 **SEC. 3535. REPEAL.**

22 Section 568 of title 14, United States Code, and the  
23 item relating to that section in the analysis for chapter  
24 15 of that title, are repealed.

1 **SEC. 3536. MISSION NEED STATEMENT.**

2 Section 569 of title 14, United States Code, is—

3 (1) amended in subsection (a)—

4 (A) by striking “for fiscal year 2016” and  
5 inserting “for fiscal year 2019”; and

6 (B) by striking “, on the date on which the  
7 President submits to Congress a budget for fis-  
8 cal year 2019 under such section,”.

9 **SEC. 3537. CONTINUATION ON ACTIVE DUTY.**

10 Section 290(a) of title 14, United States Code, is  
11 amended by striking “Officers, other than the Com-  
12 mandant, serving” and inserting “Officers serving”.

13 **SEC. 3538. SYSTEM ACQUISITION AUTHORIZATION.**

14 (a) REQUIREMENT FOR PRIOR AUTHORIZATION OF  
15 APPROPRIATIONS.—Section 2701(2) of title 14, United  
16 States Code, is amended by striking “and aircraft” and  
17 inserting “aircraft, and systems”.

18 (b) AUTHORIZATION OF APPROPRIATIONS.—Section  
19 2702(2) of title 14, United States Code, is amended by  
20 striking “and aircraft” and inserting “aircraft, and sys-  
21 tems”.

22 **SEC. 3539. INVENTORY OF REAL PROPERTY.**

23 Section 679 of title 14, United States Code, is  
24 amended—

25 (1) in subsection (a) by striking “Not later  
26 than September 30, 2015, the Commandant shall es-

1       tablish” and inserting “The Commandant shall  
2       maintain”; and

3               (2) by striking subsection (b) and inserting the  
4       following:

5       “(b) UPDATES.—The Commandant shall update in-  
6       formation on each unit of real property included in the  
7       inventory required under subsection (a) not later than 30  
8       days after any change relating to the control of such prop-  
9       erty.”.

10                               **CHAPTER 2—MARITIME**  
11                               **TRANSPORTATION**

12       **SEC. 3541. DEFINITIONS.**

13       (a) IN GENERAL.—

14               (1) Section 2101 of title 46, United States  
15       Code, is amended—

16                       (A) by inserting after paragraph (4) the  
17       following:

18               “( ) ‘Commandant’ means the Commandant of  
19       the Coast Guard.”;

20                       (B) by striking the semicolon at the end of  
21       paragraph (14) and inserting a period; and

22                       (C) by redesignating the paragraphs of  
23       such section in order as paragraphs (1) through  
24       (54), respectively.

1           (2) Section 3701 of title 46, United States  
2 Code, is amended by redesignating paragraphs (3)  
3 and (4) as paragraphs (2) and (3) respectively.

4           (b) CONFORMING AMENDMENTS.—

5           (1) Section 114(o)(3) of the Marine Mammal  
6 Protection Act of 1972 (16 U.S.C. 1383a(o)(3)) is  
7 amended—

8           (A) by striking “section 2101(11a)” and  
9 inserting “section 2101(12)”; and

10           (B) by striking “section 2101(11b)” and  
11 inserting “section 2101(13)”.

12           (2) Section 3(3) of the Magnuson-Stevens Fish-  
13 ery Conservation and Management Act (16 U.S.C.  
14 1802(3)), is amended by striking “section  
15 2101(21a)” and inserting “section 2101(30)”.

16           (3) Section 1992(d)(7) of title 18, United  
17 States Code, is amended by striking “section  
18 2101(22)” and inserting “section 2101(31)”.

19           (4) Section 12(e) of the Fishermen’s Protective  
20 Act of 1967 (22 U.S.C. 1980b(e)) is amended by  
21 striking “section 2101(11a)” and inserting “section  
22 2101(12)”.

23           (5) Section 311(a)(26)(D) of the Federal Water  
24 Pollution Control Act (33 U.S.C. 1321(a)(26)(D)) is

1 amended by striking “section 2101(17a)” and in-  
2 serting “section 2101(23)”.

3 (6) Section 2113(3) of title 46, United States  
4 Code, is amended by striking “section 2101(42)(A)”  
5 and inserting “section 2101(51)(A)”.

6 (7) Section 2116(d)(1) of title 46, United  
7 States Code, is amended by striking “Coast Guard  
8 Commandant” and inserting “Commandant”.

9 (8) Section 3202(a)(1)(A) of title 46, United  
10 States Code, is amended by striking “section  
11 2101(21)(A)” and inserting “section 2101(29)(A)”.

12 (9) Section 3507 of title 46, United States  
13 Code, is amended—

14 (A) in subsection (k)(1), by striking “sec-  
15 tion 2101(22)” and inserting “section  
16 2101(31)”; and

17 (B) by striking subsection (l) and inserting  
18 the following:

19 “(l) DEFINITION.—In this section and section 3508,  
20 the term ‘owner’ means the owner, charterer, managing  
21 operator, master, or other individual in charge of a ves-  
22 sel.”.

23 (10) Section 4105 of title 46, United States  
24 Code, is amended—

1 (A) in subsection (b)(1), by striking “sec-  
2 tion 2101(42)” and inserting “section  
3 2101(51)”; and

4 (B) in subsection (c), by striking “section  
5 2101(42)(A)” and inserting “section  
6 2101(51)(A)”.

7 (11) Section 6101(i)(4) of title 46, United  
8 States Code, is amended by striking “of the Coast  
9 Guard”.

10 (12) Section 7510(c)(1) of title 46, United  
11 States Code, is amended by striking “Commandant  
12 of the Coast Guard” and inserting “Commandant”.

13 (13) Section 7706(a) of title 46, United States  
14 Code, is amended by striking “of the Coast Guard”.

15 (14) Section 8108(a)(1) of title 46, United  
16 States Code, is amended by striking “of the Coast  
17 Guard”.

18 (15) Section 12119(a)(3) of title 46, United  
19 States Code, is amended by striking “section  
20 2101(20)” and inserting “section 2101(26)”.

21 (16) Section 80302(d) of title 46, United States  
22 Code, is amended by striking “of the Coast Guard”  
23 the first place it appears.

1           (17) Section 1101 of title 49, United States  
2           Code, is amended by striking “Section 2101(17a)”  
3           and inserting “Section 2101(23)”.

4   **SEC. 3542. AUTHORITY TO EXEMPT VESSELS.**

5           (a) IN GENERAL.—Section 2113 of title 46, United  
6           States Code, is amended—

7                 (1) by adding “and” after the semicolon at the  
8                 end of paragraph (3); and

9                 (2) by striking paragraphs (4) and (5) and in-  
10                serting the following:

11                   “(4) maintain different structural fire protec-  
12                   tion, manning, operating, and equipment require-  
13                   ments for vessels that satisfied requirements set  
14                   forth in the Passenger Vessel Safety Act of 1993  
15                   (Public Law 103–206) before June 21, 1994.”.

16           (b) CONFORMING AMENDMENTS.—Section 3306(i) of  
17           title 46, United States Code, is amended by striking “sec-  
18           tion 2113(5)” and inserting “section 2113(4)”.

19   **SEC. 3543. PASSENGER VESSELS.**

20           (a) PASSENGER VESSEL SECURITY AND SAFETY RE-  
21           QUIREMENTS.—Section 3507 of title 46, United States  
22           Code, is amended—

23                 (1) by striking subsection (a)(3);

1           (2) in subsection (e)(2), by striking “services  
2 confidential” and inserting “services as confiden-  
3 tial”; and

4           (3) in subsection (i), by striking “Within 6  
5 months after the date of enactment of the Cruise  
6 Vessel Security and Safety Act of 2010, the Sec-  
7 retary shall issue” and insert “The Secretary shall  
8 maintain”.

9           (b) CRIME SCENE PRESERVATION TRAINING FOR  
10 PASSENGER VESSEL CREWMEMBERS.—Section 3508 of  
11 title 46, United States Code, is amended—

12           (1) in subsection (a), by striking “Within 1  
13 year after the date of enactment of the Cruise Vessel  
14 Security and Safety Act of 2010, the” and inserting  
15 “The”, and by striking “develop” and inserting  
16 “maintain”;

17           (2) in subsection (c), by striking “Beginning 2  
18 years after the standards are established under sub-  
19 section (b), no” and inserting “No”;

20           (3) by striking subsection (d) and redesignating  
21 subsections (e) and (f) as subsections (d) and (e),  
22 respectively; and

23           (4) in subsection (e), as redesignated by para-  
24 graph (3), by striking “subsection (e)” each place it  
25 appears and inserting “subsection (d)”.

1 **SEC. 3544. TANK VESSELS.**

2 (a) TANK VESSEL CONSTRUCTION STANDARDS.—

3 Section 3703a of title 46, United States Code, is amend-  
4 ed—

5 (1) in subsection (b), by striking paragraph (3)  
6 and redesignating paragraphs (4), (5), and (6) as  
7 paragraphs (3), (4), and (5), respectively;

8 (2) in subsection (c)(2)—

9 (A) by striking “that is delivered” and in-  
10 serting “that was delivered”;

11 (B) by striking “that qualifies” and insert-  
12 ing “that qualified”; and

13 (C) by striking “after January 1, 2015,”;

14 (3) in subsection (c)(3)—

15 (A) by striking “that is delivered” and in-  
16 serting “that was delivered”; and

17 (B) by striking “that qualifies” and insert-  
18 ing “that qualified”;

19 (4) by striking subsection (c)(3)(A) and insert-  
20 ing the following:

21 “(A) in the case of a vessel of at least 5,000  
22 gross tons but less than 15,000 gross tons as meas-  
23 ured under section 14502, or an alternate tonnage  
24 measured under section 14302 as prescribed by the  
25 Secretary under section 14104, if the vessel is 25  
26 years old or older and has a single hull, or is 30

1 years old or older and has a double bottom or double  
2 sides;”;

3 (5) by striking subsection (c)(3)(B) and insert-  
4 ing the following:

5 “(B) in the case of a vessel of at least 15,000  
6 gross tons but less than 30,000 gross tons as meas-  
7 ured under section 14502, or an alternate tonnage  
8 measured under section 14302 as prescribed by the  
9 Secretary under section 14104, if the vessel is 25  
10 years old or older and has a single hull, or is 30  
11 years old or older and has a double bottom or double  
12 sides; and”;

13 (6) by striking subsection (c)(3)(C) and insert-  
14 ing the following:

15 “(C) in the case of a vessel of at least 30,000  
16 gross tons as measured under section 14502, or an  
17 alternate tonnage measured under section 14302 as  
18 prescribed by the Secretary under section 14104, if  
19 the vessel is 23 years old or older and has a single  
20 hull, or is 28 years old or older and has a double  
21 bottom or double sides.”; and

22 (7) in subsection (e)—

23 (A) in paragraph (1), by striking “and ex-  
24 cept as otherwise provided in paragraphs (2)  
25 and (3) of this subsection”; and

1 (B) by striking paragraph (2) and redesignating paragraph (3) as paragraph (2).

3 (b) CRUDE OIL TANKER MINIMUM STANDARDS.—

4 Section 3705 of title 46, United States Code, is amended—

6 (1) in subsection (b)—

7 (A) by striking paragraph (2);

8 (B) by striking “(1)”; and

9 (C) by redesignating subparagraphs (A) and (B) as paragraphs (1) and (2), respectively; and

12 (2) in subsection (c), by striking “before January 2, 1986, or the date on which the tanker reaches 15 years of age, whichever is later”.

15 (c) PRODUCT CARRIER MINIMUM STANDARDS.—Section 3706(d) of title 46, United States Code, is amended by striking “before January 2, 1986, or the date on which it reaches 15 years of age, whichever is later”.

19 (d) DEFINITION.—Section 1001(32)(A) of the Oil Pollution Act of 1990 (33 U.S.C. 2701(32)(A)) is amended by striking “(other than a vessel described in section 3703a(b)(3) of title 46, United States Code)”.

1 **SEC. 3545. GROUNDS FOR DENIAL OR REVOCATION.**

2 (a) DANGEROUS DRUGS AS GROUNDS FOR DE-  
3 NIAL.—Section 7503 of title 46, United States Code, is  
4 amended to read as follows:

5 **“§ 7503. Dangerous drugs as grounds for denial**

6 “A license, certificate of registry, or merchant mari-  
7 ner’s document authorized to be issued under this part  
8 may be denied to an individual who—

9 “(1) within 10 years before applying for the li-  
10 cense, certificate, or document, has been convicted of  
11 violating a dangerous drug law of the United States  
12 or of a State; or

13 “(2) when applying, has ever been a user of, or  
14 addicted to, a dangerous drug unless the individual  
15 provides satisfactory proof that the individual is  
16 cured.”.

17 (b) DANGEROUS DRUGS AS GROUNDS FOR REVOCATION.—Section 7704 of title 46, United States Code, is  
18 amended by redesignating subsections (b) and (c) as sub-  
19 sections (a) and (b), respectively.  
20

21 **SEC. 3546. MISCELLANEOUS CORRECTIONS TO TITLE 46,**  
22 **U.S.C.**

23 (a) Section 2110 of title 46, United States Code, is  
24 amended by striking subsection (k).

1 (b) Section 2116(c) of title 46, United States Code,  
2 is amended by striking “Beginning with fiscal year 2011  
3 and each fiscal year thereafter, the” and inserting “The”.

4 (c) Section 3302(g)(2) of title 46, United States  
5 Code, is amended by striking “After December 31, 1988,  
6 this” and inserting “This”.

7 (d) Section 6101(j) of title 46, United States Code,  
8 is amended by striking “, as soon as possible, and no later  
9 than January 1, 2005,”.

10 (e) Section 7505 of title 46, United States Code, is  
11 amended by striking “section 206(b)(7) of the National  
12 Driver Register Act of 1982 (23 U.S.C. 401 note)” and  
13 inserting “section 30305(b)(7) of title 49”.

14 (f) Section 7702(c)(1) of title 46, United States  
15 Code, is amended by striking “section 206(b)(4) of the  
16 National Driver Register Act of 1982 (23 U.S.C. 401  
17 note)” and inserting “section 30305(b)(7) of title 49”.

18 (g) Section 8106(f) of title 46, United States Code,  
19 is amended by striking paragraph (3) and inserting the  
20 following:

21 “(3) CONTINUING VIOLATIONS.—The maximum  
22 amount of a civil penalty for a violation under this  
23 subsection shall be \$100,000.”.

24 (h) Section 8703 of title 46, United States Code, is  
25 amended by redesignating subsection (c) as subsection (b).

1 (i) Section 11113 of title 46, United States Code, is  
2 amended—

3 (1) in subsection (a)(4)(A) by striking “para-  
4 graph (2)” and inserting “paragraph (3)”; and

5 (2) in subsection (c)(2)(B)—

6 (A) by striking “section 2(9)(a)” and in-  
7 serting “section 2(a)(9)(A)”; and

8 (B) by striking “33 U.S.C. 1901(9)(a)”  
9 and inserting “33 U.S.C. 1901(a)(9)(A)”.

10 (j) Section 12113(d)(2)(C)(iii) of title 46, United  
11 States Code, is amended by striking “118 Stat. 2887”  
12 and inserting “118 Stat. 2887))”.

13 (k) Section 13107(c)(2) of title 46, United States  
14 Code, is amended by striking “On and after October 1,  
15 2016, no” and inserting “No”.

16 (l) Section 31322(a)(4)(B) of title 46, United States  
17 Code, is amended by striking “state” and inserting  
18 “State”.

19 (m) Section 52101(d) of title 46, United States Code,  
20 is amended by striking “(50 App. U.S.C. 459(a))” and  
21 inserting “(50 U.S.C. 3808(a))”.

22 (n) The analysis for chapter 531 of title 46, United  
23 States Code, is amended by striking the item relating to  
24 section 53109:

1 (o) Section 53106(a)(1) of title 46, United States  
2 Code, is amended by striking subparagraphs (A), (B), (C),  
3 and (D), and by redesignating subparagraphs (E), (F),  
4 and (G) as subparagraphs (A), (B), and (C), respectively.

5 (p) Section 53111 of title 46, United States Code,  
6 is amended by striking paragraphs (1) through (4), and  
7 by redesignating paragraphs (5), (6), and (7) as para-  
8 graphs (1), (2), and (3), respectively.

9 (q) Section 53501 of title 46, United States Code,  
10 is amended—

11 (1) in paragraph (5)(A)(iii), by striking “trans-  
12 portation trade trade or” and inserting “transportation  
13 trade or”;

14 (2) by redesignating paragraph (8) as para-  
15 graph (9);

16 (3) by striking the second paragraph (7) (relat-  
17 ing to the definition of “United States foreign  
18 trade”); and

19 (4) by inserting after the first paragraph (7)  
20 the following:

21 “(8) UNITED STATES FOREIGN TRADE.—The  
22 term ‘United States foreign trade’ includes those  
23 areas in domestic trade in which a vessel built with  
24 a construction-differential subsidy is allowed to oper-

1       ate under the first sentence of section 506 of the  
2       Merchant Marine Act, 1936.”.

3       (r) Section 54101(f) of title 46, United States Code,  
4 is amended by striking paragraph (2) and inserting the  
5 following:

6               “(2) MINIMUM STANDARDS FOR PAYMENT OR  
7 REIMBURSEMENT.—Each application submitted  
8 under paragraph (1) shall include a comprehensive  
9 description of—

10                       “(A) the need for the project;

11                       “(B) the methodology for implementing the  
12 project; and

13                       “(C) any existing programs or arrange-  
14 ments that can be used to supplement or lever-  
15 age assistance under the program.”.

16       (s) Section 55305(d)(2)(D) of title 46, United States  
17 Code, is amended by striking “421(c)(1)” and inserting  
18 “1303(a)(1))”.

19       (t) The analysis for chapter 575 of title 46, United  
20 States Code, is amended in the item relating to section  
21 57533 by adding a period at the end.

22       (u) Section 57532(d) of title 46, United States Code,  
23 is amended by striking “(50 App. U.S.C. 1291(a), (c),  
24 1293(c), 1294)” and inserting “(50 U.S.C. 4701(a), (c),  
25 4703(c), and 4704)”.

1 (v) Section 60303(c) of title 46, United States Code,  
2 is amended in by striking “Subsection (a) section does”  
3 and inserting “Subsection (a) does”.

4 **SEC. 3547. MISCELLANEOUS CORRECTIONS TO OIL POLLU-**  
5 **TION ACT OF 1990.**

6 (a) Section 2 of the Oil Pollution Act of 1990 (33  
7 U.S.C. 2701 note) is amended by—

8 (1) inserting after the item relating to section  
9 5007 the following:

“Sec. 5008. North Pacific Marine Research Institute.”.

10 (2) striking the item relating to section 6003.

11 (b) Section 1003(d)(5) of the Oil Pollution Act of  
12 1990 (33 U.S.C. 2703(d)(5)) is amended by inserting  
13 “section” before “1002(a)”.

14 (c) Section 1004(d)(2)(C) of the Oil Pollution Act of  
15 1990 (33 U.S.C. 2704(d)(2)(C)) is amended by striking  
16 “under this subparagraph (A)” and inserting “under sub-  
17 paragraph (A)”.

18 (d) Section 4303 of the Oil Pollution Act of 1990 (33  
19 U.S.C. 2716a) is amended—

20 (1) in subsection (a), by striking “subsection  
21 (c)(2)” and inserting “subsection (b)(2)”; and

22 (2) in subsection (b), by striking “this section  
23 1016” and inserting “section 1016”.

24 (e) Section 5002(l)(2) of the Oil Pollution Act of  
25 1990 (33 U.S.C. 2732(l)(2)) is amended by striking “Gen-

1 eral Accounting Office” and inserting “Government Ac-  
2 countability Office”.

3 **SEC. 3548. MISCELLANEOUS CORRECTIONS.**

4 (a) Section 1 of the Act of June 15, 1917 (chapter  
5 30; 50 U.S.C. 191), is amended by striking “the Secretary  
6 of the Treasury” and inserting “the Secretary of the de-  
7 partment in which the Coast Guard is operating”.

8 (b) Section 5(b) of the Act entitled “An Act to regu-  
9 late the construction of bridges over navigable waters”,  
10 approved March 23, 1906, popularly known as the Bridge  
11 Act of 1906 (chapter 1130; 33 U.S.C. 495(b)), is amended  
12 by striking “\$5,000 for a violation occurring in 2004;  
13 \$10,000 for a violation occurring in 2005; \$15,000 for a  
14 violation occurring in 2006; \$20,000 for a violation occur-  
15 ring in 2007; and”.

16 (c) Section 5(f) of the Act to Prevent Pollution from  
17 Ships (33 U.S.C. 1904(f)) is amended to read as follows:

18 “(f) SHIP CLEARANCE; REFUSAL OR REVOCATION.—  
19 If a ship is under a detention order under this section,  
20 the Secretary may refuse or revoke the clearance required  
21 by section 60105 of title 46, United States Code.”.

# 1 **DIVISION D—FUNDING TABLES**

## 2 **SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TA-** 3 **BLES.**

4 (a) IN GENERAL.—Whenever a funding table in this  
5 division specifies a dollar amount authorized for a project,  
6 program, or activity, the obligation and expenditure of the  
7 specified dollar amount for the project, program, or activ-  
8 ity is hereby authorized, subject to the availability of ap-  
9 propriations.

10 (b) MERIT-BASED DECISIONS.—A decision to com-  
11 mit, obligate, or expend funds with or to a specific entity  
12 on the basis of a dollar amount authorized pursuant to  
13 subsection (a) shall—

14 (1) be based on merit-based selection proce-  
15 dures in accordance with the requirements of sec-  
16 tions 2304(k) and 2374 of title 10, United States  
17 Code, or on competitive procedures; and

18 (2) comply with other applicable provisions of  
19 law.

20 (c) RELATIONSHIP TO TRANSFER AND PROGRAM-  
21 MING AUTHORITY.—An amount specified in the funding  
22 tables in this division may be transferred or repro-  
23 grammed under a transfer or reprogramming authority  
24 provided by another provision of this Act or by other law.  
25 The transfer or reprogramming of an amount specified in

1 such funding tables shall not count against a ceiling on  
 2 such transfers or reprogrammings under section 1001 or  
 3 section 1522 of this Act or any other provision of law,  
 4 unless such transfer or reprogramming would move funds  
 5 between appropriation accounts.

6 (d) **APPLICABILITY TO CLASSIFIED ANNEX.**—This  
 7 section applies to any classified annex that accompanies  
 8 this Act.

9 (e) **ORAL WRITTEN COMMUNICATIONS.**—No oral or  
 10 written communication concerning any amount specified  
 11 in the funding tables in this division shall supersede the  
 12 requirements of this section.

13 **TITLE XLI—PROCUREMENT**

Sec. 4101. Procurement.

Sec. 4102. Procurement for overseas contingency operations.

14 **SEC. 4101. PROCUREMENT.**

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
002	UTILITY F/W AIRCRAFT .....	744	744
003	MQ-1 UAV .....	43,326	103,326
	MQ-1 Gray Eagle Service Life Extension Program .....		[60,000]
004	RQ-11 (RAVEN) .....	46,416	46,416
<b>ROTARY</b>			
007	AH-64 APACHE BLOCK IIIA REMAN .....	753,248	753,248
008	ADVANCE PROCUREMENT (CY) .....	174,550	174,550
009	AH-64 APACHE BLOCK IIIB NEW BUILD .....	284,687	452,687
	Additional AH-64Es to address ARNG shortfalls .....		[168,000]
010	ADVANCE PROCUREMENT (CY) .....	58,600	58,600
011	UH-60 BLACKHAWK M MODEL (MYP) .....	988,810	1,073,810
	Additional UH-60Ms for ARNG .....		[85,000]
012	ADVANCE PROCUREMENT (CY) .....	106,150	106,150
013	UH-60 BLACK HAWK A AND L MODELS .....	146,138	146,138
014	CH-47 HELICOPTER .....	99,278	99,278
015	ADVANCE PROCUREMENT (CY) .....	24,235	24,235
<b>MODIFICATION OF AIRCRAFT</b>			
018	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS) .....	27,114	27,114
019	GRAY EAGLE MODS2 .....	97,781	97,781
020	MULTI SENSOR ABN RECON (MIP) .....	52,274	66,274
	Army UFR: program increase .....		[14,000]
021	AH-64 MODS .....	104,996	104,996
022	CH-47 CARGO HELICOPTER MODS (MYP) .....	7,807	7,807
023	GRCS SEMA MODS (MIP) .....	5,573	5,573
024	ARL SEMA MODS (MIP) .....	7,522	7,522
025	EMARSS SEMA MODS (MIP) .....	20,448	20,448
026	UTILITY/CARGO AIRPLANE MODS .....	17,719	17,719

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
027	UTILITY HELICOPTER MODS .....	6,443	16,443
	UH-72A Life-Cycle Sustainability .....		[10,000]
028	NETWORK AND MISSION PLAN .....	123,614	123,614
029	COMMS, NAV SURVEILLANCE .....	161,969	161,969
030	DEGRADED VISUAL ENVIRONMENT .....	30,000	30,000
031	GATM ROLLUP .....	26,848	26,848
032	RQ-7 UAV MODS .....	103,246	103,246
033	UAS MODS .....	17,644	17,644
	<b>GROUND SUPPORT AVIONICS</b>		
034	AIRCRAFT SURVIVABILITY EQUIPMENT .....	57,170	57,170
035	SURVIVABILITY CM .....	5,853	5,853
036	CMWS .....	13,496	13,496
037	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	36,839	36,839
	<b>OTHER SUPPORT</b>		
038	AVIONICS SUPPORT EQUIPMENT .....	1,778	1,778
039	COMMON GROUND EQUIPMENT .....	34,818	34,818
040	AIRCREW INTEGRATED SYSTEMS .....	27,243	27,243
041	AIR TRAFFIC CONTROL .....	63,872	63,872
042	INDUSTRIAL FACILITIES .....	1,417	1,417
043	LAUNCHER, 2.75 ROCKET .....	1,901	1,901
044	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2 .....	991	991
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY</b> .....	<b>3,782,558</b>	<b>4,119,558</b>
	<b>MISSILE PROCUREMENT, ARMY</b>		
	<b>SURFACE-TO-AIR MISSILE SYSTEM</b>		
001	LOWER TIER AIR AND MISSILE DEFENSE (AMD) .....	111,395	111,395
002	MSE MISSILE .....	871,276	871,276
003	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I .....	145,636	232,636
	Interim cruise missile defense .....		[87,000]
004	ADVANCE PROCUREMENT (CY) .....	31,286	27,586
	Ahead of need .....		[-3,700]
	<b>AIR-TO-SURFACE MISSILE SYSTEM</b>		
006	JOINT AIR-TO-GROUND MSLs (JAGM) .....	276,462	248,862
	Unit cost and engineering services cost growth .....		[-27,600]
	<b>ANTI-TANK/ASSAULT MISSILE SYS</b>		
008	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	303,665	219,665
	Forward financed in the FY18 Omnibus for command launch units .....		[-84,000]
009	TOW 2 SYSTEM SUMMARY .....	105,014	105,014
010	ADVANCE PROCUREMENT (CY) .....	19,949	19,949
011	GUIDED MLRS ROCKET (GMLRS) .....	359,613	329,613
	Forward financed in the FY18 Omnibus .....		[-30,000]
012	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR) .....	20,964	20,964
	<b>MODIFICATIONS</b>		
015	PATRIOT MODS .....	313,228	323,228
	Increase PATRIOT Mod efforts .....		[10,000]
016	ATACMS MODS .....	221,656	141,856
	Requested quantity exceeds maximum .....		[-79,800]
017	GMLRS MOD .....	266	266
018	STINGER MODS .....	94,756	94,756
019	AVENGER MODS .....	48,670	48,670
020	ITAS/TOW MODS .....	3,173	3,173
021	MLRS MODS .....	383,216	383,216
022	HIMARS MODIFICATIONS .....	10,196	10,196
	<b>SPARES AND REPAIR PARTS</b>		
023	SPARES AND REPAIR PARTS .....	27,737	27,737
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
024	AIR DEFENSE TARGETS .....	6,417	6,417
025	PRODUCTION BASE SUPPORT .....	1,202	1,202
	<b>TOTAL MISSILE PROCUREMENT, ARMY</b> .....	<b>3,355,777</b>	<b>3,227,677</b>
	<b>PROCUREMENT OF W&amp;TCV, ARMY</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
002	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	479,801	448,653
	Program decrease .....		[-31,148]
	<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>		
004	STRYKER (MOD) .....	287,490	138,190
	Army requested realignment to WTCV-5 .....		[-149,300]
005	STRYKER UPGRADE .....	21,900	225,300
	A1 conversions for 5th SBCT .....		[54,100]
	Army requested realignment—A1 conversions for 5th SBCT .....		[149,300]
006	BRADLEY PROGRAM (MOD) .....	625,424	465,424
	Program decrease .....		[-160,000]
007	M109 FOV MODIFICATIONS .....	26,482	26,482
008	PALADIN INTEGRATED MANAGEMENT (PIM) .....	351,802	461,802
	Program increase .....		[110,000]
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	110,500	110,500
010	ASSAULT BRIDGE (MOD) .....	2,120	2,120
011	ASSAULT BREACHER VEHICLE .....	62,407	62,407

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<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
012	M88 FOV MODS .....	4,517	4,517
013	JOINT ASSAULT BRIDGE .....	142,255	142,255
014	M1 ABRAMS TANK (MOD) .....	927,600	927,600
015	ABRAMS UPGRADE PROGRAM .....	1,075,999	1,075,999
<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>			
018	M240 MEDIUM MACHINE GUN (7.62MM) .....	1,955	6,955
	Program Increase—M240L and M240B .....		[5,000]
019	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S .....	23,345	23,345
020	GUN AUTOMATIC 30MM M230 .....	7,434	7,434
021	MACHINE GUN, CAL .50 M2 ROLL .....	22,330	22,330
022	MORTAR SYSTEMS .....	12,470	12,470
023	XM320 GRENADE LAUNCHER MODULE (GLM) .....	697	697
024	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM .....	46,236	46,236
025	CARBINE .....	69,306	69,306
026	SMALL ARMS—FIRE CONTROL .....	7,929	7,929
027	COMMON REMOTELY OPERATED WEAPONS STATION .....	35,968	35,968
028	HANDGUN .....	48,251	48,251
<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>			
029	MK-19 GRENADE MACHINE GUN MODS .....	1,684	1,684
030	M777 MODS .....	3,086	3,086
031	M4 CARBINE MODS .....	31,575	35,775
	Additional free-float forward extended rails .....		[4,200]
032	M2 50 CAL MACHINE GUN MODS .....	21,600	21,600
033	M249 SAW MACHINE GUN MODS .....	3,924	3,924
034	M240 MEDIUM MACHINE GUN MODS .....	6,940	6,940
035	SNIPER RIFLES MODIFICATIONS .....	2,747	2,747
036	M119 MODIFICATIONS .....	5,704	5,704
037	MORTAR MODIFICATION .....	3,965	3,965
038	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) .....	5,577	5,577
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
039	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	3,174	3,174
040	PRODUCTION BASE SUPPORT (WOCV-WTCV) .....	3,284	3,284
041	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) .....	1,640	1,640
<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b>		<b>4,489,118</b>	<b>4,471,270</b>
<b>PROCUREMENT OF AMMUNITION, ARMY</b>			
<b>SMALL/MEDIUM CAL AMMUNITION</b>			
001	CTG, 5.56MM, ALL TYPES .....	41,848	41,848
002	CTG, 7.62MM, ALL TYPES .....	86,199	86,199
003	CTG, HANDGUN, ALL TYPES .....	20,158	20,158
004	CTG, .50 CAL, ALL TYPES .....	65,573	65,573
005	CTG, 20MM, ALL TYPES .....	8,198	8,198
007	CTG, 30MM, ALL TYPES .....	77,995	77,995
008	CTG, 40MM, ALL TYPES .....	69,781	69,781
<b>MORTAR AMMUNITION</b>			
009	60MM MORTAR, ALL TYPES .....	45,280	45,280
010	81MM MORTAR, ALL TYPES .....	46,853	46,853
011	120MM MORTAR, ALL TYPES .....	83,003	83,003
<b>TANK AMMUNITION</b>			
012	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES .....	168,101	168,101
<b>ARTILLERY AMMUNITION</b>			
013	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES .....	39,341	39,341
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....	211,442	211,442
015	PROJ 155MM EXTENDED RANGE M982 .....	100,906	100,906
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL .....	236,677	206,677
	Program decrease .....		[-30,000]
<b>MINES</b>			
017	MINES & CLEARING CHARGES, ALL TYPES .....	15,905	15,905
<b>ROCKETS</b>			
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	4,503	29,503
	Army UFR: bunker defeat munitions .....		[25,000]
019	ROCKET, HYDRA 70, ALL TYPES .....	211,211	241,211
	Army UFR: additional HYDRA rockets .....		[30,000]
<b>OTHER AMMUNITION</b>			
020	CAD/PAD, ALL TYPES .....	10,428	10,428
021	DEMOLITION MUNITIONS, ALL TYPES .....	44,656	44,656
022	GRENADES, ALL TYPES .....	19,896	19,896
023	SIGNALS, ALL TYPES .....	10,121	10,121
024	SIMULATORS, ALL TYPES .....	11,464	11,464
<b>MISCELLANEOUS</b>			
025	AMMO COMPONENTS, ALL TYPES .....	5,224	5,224
026	NON-LETHAL AMMUNITION, ALL TYPES .....	4,310	4,310
027	ITEMS LESS THAN \$5 MILLION (AMMO) .....	11,193	11,193
028	AMMUNITION PECULIAR EQUIPMENT .....	10,500	10,500
029	FIRST DESTINATION TRANSPORTATION (AMMO) .....	18,456	18,456
030	CLOSEOUT LIABILITIES .....	100	100
<b>PRODUCTION BASE SUPPORT</b>			
032	INDUSTRIAL FACILITIES .....	394,133	394,133

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
033	CONVENTIONAL MUNITIONS DEMILITARIZATION .....	157,535	157,535
034	ARMS INITIATIVE .....	3,771	3,771
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY</b> .....	<b>2,234,761</b>	<b>2,259,761</b>
<b>OTHER PROCUREMENT, ARMY</b>			
<b>TACTICAL VEHICLES</b>			
001	TACTICAL TRAILERS/DOLLY SETS .....	16,512	16,512
002	SEMITRAILERS, FLATBED: .....	16,951	16,951
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4 .....	50,123	50,123
004	GROUND MOBILITY VEHICLES (GMV) .....	46,988	42,695
	Unobligated Balances .....		[-4,293]
005	ARNG HMMWV MODERNIZATION PROGRAM .....		25,000
	Additional HMMWVs .....		[25,000]
006	JOINT LIGHT TACTICAL VEHICLE .....	1,319,436	1,287,400
	Program reduction .....		[-32,036]
007	TRUCK, DUMP, 20T (CCE) .....	6,480	6,480
008	FAMILY OF MEDIUM TACTICAL VEH (FMTV) .....	132,882	132,882
009	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP .....	14,842	14,842
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....	138,105	122,886
	CLS contract award delay .....		[-15,219]
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV .....	31,892	30,378
	Unit cost growth .....		[-1,514]
013	TACTICAL WHEELED VEHICLE PROTECTION KITS .....	38,128	38,128
014	MODIFICATION OF IN SVC EQUIP .....	78,507	78,507
<b>NON-TACTICAL VEHICLES</b>			
016	HEAVY ARMORED VEHICLE .....	790	790
017	PASSENGER CARRYING VEHICLES .....	1,390	1,390
018	NONTACTICAL VEHICLES, OTHER .....	15,415	15,415
<b>COMM—JOINT COMMUNICATIONS</b>			
020	SIGNAL MODERNIZATION PROGRAM .....	150,777	89,927
	Requirement funded in fiscal year 2018 .....		[-41,000]
	SBU VSAT and gateway unjustified request .....		[-19,850]
021	TACTICAL NETWORK TECHNOLOGY MOD IN SVC .....	469,117	519,367
	Additional TCN-L, NOSC-L, and next generation embedded kits for IBCTs and SBCTs. ....		[56,000]
	Program management excess growth .....		[-5,750]
022	SITUATION INFORMATION TRANSPORT .....	62,727	62,727
023	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY .....	13,895	13,895
024	JCSE EQUIPMENT (USREDCOM) .....	4,866	4,866
<b>COMM—SATELLITE COMMUNICATIONS</b>			
027	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS .....	108,133	108,133
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....	56,737	56,737
029	SHF TERM .....	13,100	13,100
030	SMART-T (SPACE) .....	9,160	9,160
031	GLOBAL BRDCST SVC—GBS .....	25,647	25,647
032	ENROUTE MISSION COMMAND (EMC) .....	37,401	37,401
<b>COMM—C3 SYSTEM</b>			
036	COE TACTICAL SERVER INFRASTRUCTURE (TSI) .....	20,500	20,500
<b>COMM—COMBAT COMMUNICATIONS</b>			
038	HANDHELD MANPACK SMALL FORM FIT (HMS) .....	351,565	299,974
	Requirement funded in fiscal year 2018 .....		[-51,591]
040	RADIO TERMINAL SET, MIDS LVT(2) .....	4,641	4,641
041	TRACTOR DESK .....	2,187	2,187
042	TRACTOR RIDE .....	9,411	9,411
044	SPIDER FAMILY OF NETWORKED MUNITIONS INCR .....	17,515	17,515
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM .....	819	819
046	UNIFIED COMMAND SUITE .....	17,807	17,807
047	COTS COMMUNICATIONS EQUIPMENT .....	191,835	63,835
	Requirement funded in fiscal year 2018 .....		[-128,000]
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE .....	25,177	25,177
<b>COMM—INTELLIGENCE COMM</b>			
050	CI AUTOMATION ARCHITECTURE (MIP) .....	9,740	9,740
051	DEFENSE MILITARY DECEPTION INITIATIVE .....	2,667	2,667
<b>INFORMATION SECURITY</b>			
053	FAMILY OF BIOMETRICS .....	8,319	8,319
054	INFORMATION SYSTEM SECURITY PROGRAM-ISSP .....	2,000	2,000
055	COMMUNICATIONS SECURITY (COMSEC) .....	88,337	88,337
056	DEFENSIVE CYBER OPERATIONS .....	51,343	51,343
057	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO .....	330	330
058	PERSISTENT CYBER TRAINING ENVIRONMENT .....	3,000	3,000
<b>COMM—LONG HAUL COMMUNICATIONS</b>			
059	BASE SUPPORT COMMUNICATIONS .....	34,434	34,434
<b>COMM—BASE COMMUNICATIONS</b>			
060	INFORMATION SYSTEMS .....	95,558	81,609
	ARCYBER funded in excess to requirement .....		[-13,949]
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM .....	4,736	4,736
062	HOME STATION MISSION COMMAND CENTERS (HSMCC) .....	24,479	24,479
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	216,433	196,433

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
Line	Item	FY 2019 Request	Conference Authorized
	Excess hardware growth .....		[-20,000]
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
066	JTT/CIBS-M (MIP) .....	10,268	10,268
068	DCGS-A (MIP) .....	261,863	261,863
069	JOINT TACTICAL GROUND STATION (JTAGS) (MIP) .....	5,434	5,434
070	TROJAN (MIP) .....	20,623	20,623
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) .....	45,998	45,998
072	CI HUMINT AUTO REPRTING & COLL.(CHARCS)(MIP) .....	296	296
076	ITEMS LESS THAN \$5.0M (MIP) .....	410	410
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		
077	LIGHTWEIGHT COUNTER MORTAR RADAR .....	9,165	9,165
078	EW PLANNING & MANAGEMENT TOOLS (EWPMT) .....	5,875	5,875
079	AIR VIGILANCE (AV) (MIP) .....	8,497	8,497
083	CI MODERNIZATION (MIP) .....	486	486
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
084	SENTINEL MODS .....	79,629	79,629
085	NIGHT VISION DEVICES .....	153,180	153,180
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF .....	22,882	22,882
088	RADIATION MONITORING SYSTEMS .....	17,393	17,393
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS .....	46,740	40,435
	C-RAM enhancements fielding unjustified request .....		[-6,305]
091	FAMILY OF WEAPON SIGHTS (FWS) .....	140,737	131,437
	Unexecutable funds .....		[-9,300]
093	PROFILER .....	171	171
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....	405,239	391,881
	Requirement funded in fiscal year 2018 .....		[-13,358]
095	JOINT EFFECTS TARGETING SYSTEM (JETS) .....	66,574	66,574
096	MOD OF IN-SVC EQUIP (LLDR) .....	20,783	20,783
097	COMPUTER BALLISTICS: LHMCB XM32 .....	8,553	8,553
098	MORTAR FIRE CONTROL SYSTEM .....	21,489	21,489
099	COUNTERFIRE RADARS .....	162,121	162,121
	<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>		
100	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE ( .....	2,855	2,855
101	FIRE SUPPORT C2 FAMILY .....	19,153	19,153
102	AIR & MSL DEFENSE PLANNING & CONTROL SYS .....	33,837	33,837
103	LIFE CYCLE SOFTWARE SUPPORT (LCSS) .....	5,136	5,136
104	NETWORK MANAGEMENT INITIALIZATION AND SERVICE .....	18,329	18,329
105	MANEUVER CONTROL SYSTEM (MCS) .....	38,015	38,015
106	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A) .....	15,164	15,164
107	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP) .....	29,239	29,239
109	RECONNAISSANCE AND SURVEYING INSTRUMENT SET .....	6,823	6,823
110	MOD OF IN-SVC EQUIPMENT (ENFIRE) .....	1,177	1,177
	<b>ELECT EQUIP—AUTOMATION</b>		
111	ARMY TRAINING MODERNIZATION .....	12,265	12,265
112	AUTOMATED DATA PROCESSING EQUIP .....	201,875	201,875
113	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM .....	10,976	10,976
114	HIGH PERF COMPUTING MOD PGM (HPCMP) .....	66,330	66,330
115	CONTRACT WRITING SYSTEM .....	5,927	5,927
116	RESERVE COMPONENT AUTOMATION SYS (RCAS) .....	27,896	27,896
	<b>ELECT EQUIP—AUDIO VISUAL SYS (A/V)</b>		
117	TACTICAL DIGITAL MEDIA .....	4,392	4,392
118	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) .....	1,970	1,970
	<b>ELECT EQUIP—SUPPORT</b>		
119	PRODUCTION BASE SUPPORT (C-E) .....	506	506
	<b>CLASSIFIED PROGRAMS</b>		
120A	CLASSIFIED PROGRAMS .....	4,501	4,501
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
121	PROTECTIVE SYSTEMS .....	2,314	2,314
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE) .....	7,478	7,478
124	CBRN DEFENSE .....	173,954	173,954
	<b>BRIDGING EQUIPMENT</b>		
125	TACTICAL BRIDGING .....	98,229	98,229
126	TACTICAL BRIDGE, FLOAT-RIBBON .....	64,438	64,438
127	COMMON BRIDGE TRANSPORTER (CBT) RECAP .....	79,916	79,916
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
128	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST .....	8,471	8,471
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS) .....	29,883	29,883
130	AREA MINE DETECTION SYSTEM (AMDS) .....	11,594	11,594
131	HUSKY MOUNTED DETECTION SYSTEM (HMDS) .....	40,834	40,834
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS) .....	4,029	4,029
133	EOD ROBOTICS SYSTEMS RECAPITALIZATION .....	14,208	14,208
134	ROBOTICS AND APPLIQUE SYSTEMS .....	31,456	31,456
136	REMOTE DEMOLITION SYSTEMS .....	1,748	1,748
137	< \$5M, COUNTERMINE EQUIPMENT .....	7,829	7,829
138	FAMILY OF BOATS AND MOTORS .....	5,806	5,806
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
139	HEATERS AND ECUS .....	9,852	9,852
140	SOLDIER ENHANCEMENT .....	1,103	1,103

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....	5,875	5,875
142	GROUND SOLDIER SYSTEM .....	92,487	36,487
	Requirement funded in fiscal year 2018 .....		[-56,000]
143	MOBILE SOLDIER POWER .....	30,774	30,774
145	FIELD FEEDING EQUIPMENT .....	17,521	17,521
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....	44,855	44,855
147	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS .....	17,173	17,173
148	ITEMS LESS THAN \$5M (ENG SPT) .....	2,000	2,000
	<b>PETROLEUM EQUIPMENT</b>		
149	QUALITY SURVEILLANCE EQUIPMENT .....	1,770	1,770
150	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	39,730	39,730
	<b>MEDICAL EQUIPMENT</b>		
151	COMBAT SUPPORT MEDICAL .....	57,752	57,752
	<b>MAINTENANCE EQUIPMENT</b>		
152	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	37,722	37,722
153	ITEMS LESS THAN \$5.0M (MAINT EQ) .....	4,985	4,985
	<b>CONSTRUCTION EQUIPMENT</b>		
155	SCRAPERS, EARTHMOVING .....	7,961	7,961
156	HYDRAULIC EXCAVATOR .....	1,355	1,355
158	ALL TERRAIN CRANES .....	13,031	13,031
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) .....	46,048	46,048
160	ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP .....	980	8,480
	Program increase—additional ERACC systems .....		[7,500]
161	CONST EQUIP ESP .....	37,017	37,017
162	ITEMS LESS THAN \$5.0M (CONST EQUIP) .....	6,103	6,103
	<b>RAIL FLOAT CONTAINERIZATION EQUIPMENT</b>		
163	ARMY WATERCRAFT ESP .....	27,711	27,711
164	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) .....	8,385	8,385
	<b>GENERATORS</b>		
165	GENERATORS AND ASSOCIATED EQUIP .....	133,772	133,772
166	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	8,333	8,333
	<b>MATERIAL HANDLING EQUIPMENT</b>		
167	FAMILY OF FORKLIFTS .....	12,901	12,901
	<b>TRAINING EQUIPMENT</b>		
168	COMBAT TRAINING CENTERS SUPPORT .....	123,228	123,228
169	TRAINING DEVICES, NONSYSTEM .....	228,598	228,598
170	CLOSE COMBAT TACTICAL TRAINER .....	33,080	33,080
171	AVIATION COMBINED ARMS TACTICAL TRAINER .....	32,700	32,700
172	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING .....	25,161	25,161
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
173	CALIBRATION SETS EQUIPMENT .....	4,270	4,270
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	76,295	76,295
175	TEST EQUIPMENT MODERNIZATION (TEMOD) .....	9,806	9,806
	<b>OTHER SUPPORT EQUIPMENT</b>		
176	M25 STABILIZED BINOCULAR .....	4,368	4,368
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT .....	9,879	9,879
178	PHYSICAL SECURITY SYSTEMS (OPA3) .....	54,043	54,043
179	BASE LEVEL COMMON EQUIPMENT .....	6,633	6,633
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....	49,797	49,797
181	PRODUCTION BASE SUPPORT (OTH) .....	2,301	2,301
182	SPECIAL EQUIPMENT FOR USER TESTING .....	11,608	11,608
183	TRACTOR YARD .....	4,956	4,956
	<b>OPA2</b>		
184	INITIAL SPARES—C&E .....	9,817	9,817
	<b>TOTAL OTHER PROCUREMENT, ARMY</b> .....	<b>7,999,529</b>	<b>7,669,864</b>
	<b>AIRCRAFT PROCUREMENT, NAVY</b>		
	<b>COMBAT AIRCRAFT</b>		
001	F/A-18E/F (FIGHTER) HORNET .....	1,937,553	1,881,304
	Excess NRE and Support Costs .....		[-56,249]
002	ADVANCE PROCUREMENT (CY) .....	58,799	58,799
003	JOINT STRIKE FIGHTER CV .....	1,144,958	1,132,058
	Production Efficiencies .....		[-12,900]
004	ADVANCE PROCUREMENT (CY) .....	140,010	140,010
005	J5F STOVL .....	2,312,847	2,276,547
	Production Efficiencies .....		[-36,300]
006	ADVANCE PROCUREMENT (CY) .....	228,492	228,492
007	CH-53K (HEAVY LIFT) .....	1,113,804	1,068,426
	Support cost growth .....		[-45,378]
008	ADVANCE PROCUREMENT (CY) .....	161,079	161,079
009	V-22 (MEDIUM LIFT) .....	806,337	784,337
	Unit cost savings .....		[-22,000]
010	ADVANCE PROCUREMENT (CY) .....	36,955	36,955
011	H-1 UPGRADES (UH-1Y/AH-1Z) .....	820,755	820,755
014	P-SA POSEIDON .....	1,803,753	1,778,753
	Excessive CFE Electronics cost growth .....		[-5,000]
	Excessive support cost growth .....		[-20,000]
015	ADVANCE PROCUREMENT (CY) .....	180,000	180,000

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
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016	E-2D ADV HAWKEYE .....	742,693	904,193
	Unit cost savings .....		[-8,500]
	UPL—1 additional Aircraft .....		[170,000]
017	ADVANCE PROCUREMENT (CY) .....	240,734	240,734
	<b>AIRLIFT AIRCRAFT</b>		
018	C-40A .....	206,000	0
	Forward financed in the FY18 Omnibus .....		[-206,000]
	<b>OTHER AIRCRAFT</b>		
020	KC-130J .....	160,433	160,433
021	ADVANCE PROCUREMENT (CY) .....	110,013	102,050
	Excess growth .....		[-7,963]
022	MQ-4 TRITON .....	568,743	544,793
	Unit and support cost growth .....		[-23,950]
023	ADVANCE PROCUREMENT (CY) .....	58,522	58,522
024	MQ-8 UAV .....	54,761	54,761
025	STUASLO UAV .....	14,866	14,866
026	VH-92A EXECUTIVE HELO .....	649,015	649,015
	<b>MODIFICATION OF AIRCRAFT</b>		
027	AEA SYSTEMS .....	25,277	25,277
028	AV-8 SERIES .....	58,577	58,577
029	ADVERSARY .....	14,606	14,606
030	F-18 SERIES .....	1,213,482	1,224,882
	Program decrease .....		[-2,500]
	UPL—EA-18G Advanced Modes / Cognitive EW .....		[13,900]
031	H-53 SERIES .....	70,997	70,997
032	SH-60 SERIES .....	130,661	130,661
033	H-1 SERIES .....	87,143	87,143
034	EP-3 SERIES .....	3,633	3,633
035	P-3 SERIES .....	803	803
036	E-2 SERIES .....	88,780	80,980
	Installations early to need (OSIP 002-18) .....		[-7,800]
037	TRAINER A/C SERIES .....	11,660	11,660
038	C-2A .....	11,327	8,327
	Forward financed .....		[-3,000]
039	C-130 SERIES .....	79,075	72,152
	Forward financed .....		[-6,923]
040	FEWSG .....	597	597
041	CARGO/TRANSPORT A/C SERIES .....	8,932	8,932
042	E-6 SERIES .....	181,821	180,493
	Excess installation costs .....		[-1,328]
043	EXECUTIVE HELICOPTERS SERIES .....	23,566	23,566
044	SPECIAL PROJECT AIRCRAFT .....	7,620	7,620
045	T-45 SERIES .....	195,475	195,475
046	POWER PLANT CHANGES .....	21,521	21,521
047	JPATS SERIES .....	27,644	27,644
048	AVIATION LIFE SUPPORT MODS .....	15,864	15,864
049	COMMON ECM EQUIPMENT .....	166,306	191,306
	Navy UFR: F/A-18E/F Super Hornet Adaptive RADAR countermeasures .....		[25,000]
050	COMMON AVIONICS CHANGES .....	117,551	117,551
051	COMMON DEFENSIVE WEAPON SYSTEM .....	1,994	1,994
052	ID SYSTEMS .....	40,696	40,696
053	P-8 SERIES .....	71,251	71,251
054	MAGTF EW FOR AVIATION .....	11,590	11,590
055	MQ-8 SERIES .....	37,907	37,907
057	V-22 (TILT/ROTOR ACFT) OSPREY .....	214,820	211,700
	Excess support costs .....		[-3,120]
058	NEXT GENERATION JAMMER (NGJ) .....	952	0
	Early to need .....		[-952]
059	F-35 STOVL SERIES .....	36,618	36,618
060	F-35 CV SERIES .....	21,236	21,236
061	QRC .....	101,499	101,499
062	MQ-4 SERIES .....	48,278	48,278
063	RQ-21 SERIES .....	6,904	6,904
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
064	SPARES AND REPAIR PARTS .....	1,792,920	1,842,920
	F-35B and F-35C spares quantity increase .....		[50,000]
	<b>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</b>		
065	COMMON GROUND EQUIPMENT .....	421,606	411,606
	Program decrease .....		[-10,000]
066	AIRCRAFT INDUSTRIAL FACILITIES .....	24,496	24,496
067	WAR CONSUMABLES .....	42,108	42,108
068	OTHER PRODUCTION CHARGES .....	1,444	1,444
069	SPECIAL SUPPORT EQUIPMENT .....	49,489	49,489
070	FIRST DESTINATION TRANSPORTATION .....	1,951	1,951
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY</b> .....	<b>19,041,799</b>	<b>18,820,836</b>
	<b>WEAPONS PROCUREMENT, NAVY</b>		
	<b>MODIFICATION OF MISSILES</b>		

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
001	TRIDENT II MODS .....	1,078,750	1,078,750
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
002	MISSILE INDUSTRIAL FACILITIES .....	6,998	6,998
	<b>STRATEGIC MISSILES</b>		
003	TOMAHAWK .....	98,570	78,406
	Shutdown costs early to need .....		[-20,164]
	<b>TACTICAL MISSILES</b>		
004	AMRAAM .....	211,058	211,058
005	SIDEWINDER .....	77,927	122,927
	Navy UFR: additional AIM 9-X missiles .....		[45,000]
006	JSOW .....	1,330	1,330
007	STANDARD MISSILE .....	490,210	490,210
008	ADVANCE PROCUREMENT (CY) .....	125,683	125,683
009	SMALL DIAMETER BOMB II .....	91,272	91,272
010	RAM .....	96,221	96,221
011	JOINT AIR GROUND MISSILE (JAGM) .....	24,109	24,109
014	STAND OFF PRECISION GUIDED MUNITIONS (SOPGM) .....	11,378	11,378
015	AERIAL TARGETS .....	137,137	137,137
016	OTHER MISSILE SUPPORT .....	3,318	3,318
017	LRASM .....	81,190	111,190
	Navy Unfunded Requirement .....		[30,000]
018	LCS OTH MISSILE .....	18,156	18,156
	<b>MODIFICATION OF MISSILES</b>		
019	ESSM .....	98,384	98,384
020	HARPOON MODS .....	14,840	26,840
	Navy UPL: Increase to max capacity .....		[12,000]
021	HARM MODS .....	187,985	187,985
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
023	WEAPONS INDUSTRIAL FACILITIES .....	2,006	2,006
024	FLEET SATELLITE COMM FOLLOW-ON .....	66,779	66,779
	<b>ORDNANCE SUPPORT EQUIPMENT</b>		
025	ORDNANCE SUPPORT EQUIPMENT .....	62,008	62,008
	<b>TORPEDOES AND RELATED EQUIP</b>		
026	SSTD .....	6,353	6,353
027	MK-48 TORPEDO .....	92,616	103,616
	Navy Unfunded Requirement .....		[11,000]
028	ASW TARGETS .....	12,324	12,324
	<b>MOD OF TORPEDOES AND RELATED EQUIP</b>		
029	MK-54 TORPEDO MODS .....	105,946	101,946
	Non Recurring Engineering excess growth .....		[-4,000]
030	MK-48 TORPEDO ADCAP MODS .....	40,005	40,005
031	QUICKSTRIKE MINE .....	9,758	9,758
	<b>SUPPORT EQUIPMENT</b>		
032	TORPEDO SUPPORT EQUIPMENT .....	79,371	79,371
033	ASW RANGE SUPPORT .....	3,872	3,872
	<b>DESTINATION TRANSPORTATION</b>		
034	FIRST DESTINATION TRANSPORTATION .....	3,726	3,726
	<b>GUNS AND GUN MOUNTS</b>		
035	SMALL ARMS AND WEAPONS .....	15,067	15,067
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>		
036	CIWS MODS .....	63,318	63,318
037	COAST GUARD WEAPONS .....	40,823	40,823
038	GUN MOUNT MODS .....	74,618	74,618
039	LCS MODULE WEAPONS .....	11,350	11,350
041	AIRBORNE MINE NEUTRALIZATION SYSTEMS .....	22,249	22,249
	<b>SPARES AND REPAIR PARTS</b>		
043	SPARES AND REPAIR PARTS .....	135,688	135,688
	<b>TOTAL WEAPONS PROCUREMENT, NAVY</b> .....	<b>3,702,393</b>	<b>3,776,229</b>
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>		
	<b>NAVY AMMUNITION</b>		
001	GENERAL PURPOSE BOMBS .....	79,871	79,871
002	JDAM .....	87,900	87,900
003	AIRBORNE ROCKETS, ALL TYPES .....	151,431	144,481
	APKWS product improvement previously funded .....		[-6,950]
004	MACHINE GUN AMMUNITION .....	11,344	11,344
005	PRACTICE BOMBS .....	49,471	49,471
006	CARTRIDGES & CART ACTUATED DEVICES .....	56,227	56,227
007	AIR EXPENDABLE COUNTERMEASURES .....	66,382	66,382
008	JATOS .....	2,907	2,907
009	5 INCH/54 GUN AMMUNITION .....	72,657	72,657
010	INTERMEDIATE CALIBER GUN AMMUNITION .....	33,613	32,813
	Unit cost growth (57MM, HE-PD) .....		[-800]
011	OTHER SHIP GUN AMMUNITION .....	42,142	42,142
012	SMALL ARMS & LANDING PARTY AMMO .....	49,888	49,888
013	PYROTECHNIC AND DEMOLITION .....	10,931	10,931
015	AMMUNITION LESS THAN \$5 MILLION .....	1,106	1,106
	<b>MARINE CORPS AMMUNITION</b>		

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
019	MORTARS .....	28,266	28,266
021	DIRECT SUPPORT MUNITIONS .....	63,664	63,664
022	INFANTRY WEAPONS AMMUNITION .....	59,295	59,295
026	COMBAT SUPPORT MUNITIONS .....	31,577	31,577
028	AMMO MODERNIZATION .....	15,001	15,001
029	ARTILLERY MUNITIONS .....	86,297	86,297
030	ITEMS LESS THAN \$5 MILLION .....	6,239	6,239
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC .....</b>	<b>1,006,209</b>	<b>998,459</b>
<b>SHIPBUILDING AND CONVERSION, NAVY</b>			
<b>FLEET BALLISTIC MISSILE SHIPS</b>			
001	ADVANCE PROCUREMENT (CY) .....	3,005,330	3,242,330
	Ordnance Early to Need .....		[-13,000]
	Submarine industrial base expansion .....		[250,000]
<b>OTHER WARSHIPS</b>			
002	CARRIER REPLACEMENT PROGRAM .....	1,598,181	1,598,181
004	VIRGINIA CLASS SUBMARINE .....	4,373,382	4,353,382
	Excess change order rate .....		[-20,000]
005	ADVANCE PROCUREMENT (CY) .....	2,796,401	2,796,401
007	ADVANCE PROCUREMENT (CY) .....	449,597	449,597
008	DDG 1000 .....	270,965	270,965
009	DDG-51 .....	5,253,327	5,171,827
	Excessive Basic Construction Unit Cost Growth .....		[-81,500]
010	ADVANCE PROCUREMENT (CY) .....	391,928	641,928
	Enable greater long lead material procurement .....		[250,000]
011	LITTORAL COMBAT SHIP .....	646,244	1,558,505
	Align Plans and Other costs with end of production .....		[-37,739]
	Program Increase—Two ships .....		[950,000]
<b>AMPHIBIOUS SHIPS</b>			
012A	ADVANCE PROCUREMENT (CY) .....		500,000
	AP for FY2020 LPD Flight II and/or MYP EOQ .....		[500,000]
013	EXPEDITIONARY SEA BASE (ESB) .....	650,000	647,000
	Accelerated contracts learning curve .....		[-3,000]
<b>AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST</b>			
016	TAO FLEET OILER .....	977,104	977,104
017	ADVANCE PROCUREMENT (CY) .....	75,046	75,046
018	TOWING, SALVAGE, AND RESCUE SHIP (ATS) .....	80,517	80,517
020	LCU 1700 .....	41,520	41,520
021	OUTFITTING .....	634,038	562,038
	Outfitting and Post Delivery early to need .....		[-72,000]
022	SHIP TO SHORE CONNECTOR .....	325,375	507,875
	Program Increase—Three vessels .....		[182,500]
023	SERVICE CRAFT .....	72,062	97,062
	Accelerate detail design and construction of YP-703 Flight II .....		[25,000]
024	LCAC SLEP .....	23,321	23,321
028	COMPLETION OF PY SHIPBUILDING PROGRAMS .....	207,099	207,099
028A	CABLE SHIP .....		250,000
	Program increase .....		[250,000]
	<b>TOTAL SHIPBUILDING AND CONVERSION, NAVY .....</b>	<b>21,871,437</b>	<b>24,051,698</b>
<b>OTHER PROCUREMENT, NAVY</b>			
<b>SHIP PROPULSION EQUIPMENT</b>			
001	SURFACE POWER EQUIPMENT .....	19,700	19,700
<b>GENERATORS</b>			
003	SURFACE COMBATANT HM&E .....	23,495	23,495
<b>NAVIGATION EQUIPMENT</b>			
004	OTHER NAVIGATION EQUIPMENT .....	63,330	73,330
	Accelerate ECDIS-N 9.3, 9.4, 9.5 implementation .....		[10,000]
<b>OTHER SHIPBOARD EQUIPMENT</b>			
005	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG .....	178,421	178,421
006	DDG MOD .....	487,999	483,499
	AWS Installation Unit Cost Growth .....		[-4,500]
007	FIREFIGHTING EQUIPMENT .....	28,143	28,143
008	COMMAND AND CONTROL SWITCHBOARD .....	2,248	2,248
009	LHA/LHD MIDLIFE .....	37,694	37,694
010	POLLUTION CONTROL EQUIPMENT .....	20,883	20,883
011	SUBMARINE SUPPORT EQUIPMENT .....	37,155	37,155
012	VIRGINIA CLASS SUPPORT EQUIPMENT .....	66,328	66,328
013	LCS CLASS SUPPORT EQUIPMENT .....	47,241	47,241
014	SUBMARINE BATTERIES .....	27,987	25,085
	Unit cost growth .....		[-2,902]
015	LPD CLASS SUPPORT EQUIPMENT .....	65,033	65,033
016	DDG 1000 CLASS SUPPORT EQUIPMENT .....	89,700	57,700
	Procurement early to need .....		[-32,000]
017	STRATEGIC PLATFORM SUPPORT EQUIP .....	22,254	22,254
018	DSSP EQUIPMENT .....	3,629	3,629
019	CG MODERNIZATION .....	276,446	272,546
	Integrated Ship Controls Unit Cost Growth .....		[-3,900]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
020	LCAC .....	3,709	3,709
021	UNDERWATER EOD PROGRAMS .....	78,807	73,000
	Insufficient transition strategy .....		[-5,807]
022	ITEMS LESS THAN \$5 MILLION .....	126,865	126,865
023	CHEMICAL WARFARE DETECTORS .....	2,966	2,966
024	SUBMARINE LIFE SUPPORT SYSTEM .....	11,968	11,968
	<b>REACTOR PLANT EQUIPMENT</b>		
025	REACTOR POWER UNITS .....	346,325	346,325
026	REACTOR COMPONENTS .....	497,063	497,063
	<b>OCEAN ENGINEERING</b>		
027	DIVING AND SALVAGE EQUIPMENT .....	10,706	10,706
	<b>SMALL BOATS</b>		
028	STANDARD BOATS .....	49,771	49,771
	<b>PRODUCTION FACILITIES EQUIPMENT</b>		
029	OPERATING FORCES IPE .....	225,181	225,181
	<b>OTHER SHIP SUPPORT</b>		
031	LCS COMMON MISSION MODULES EQUIPMENT .....	46,732	42,223
	EMM AN/SQS-62 training equipment unjustified request .....		[-4,509]
032	LCS MCM MISSION MODULES .....	124,147	124,147
033	LCS ASW MISSION MODULES .....	57,294	7,394
	Late test event for VDS and MFTA .....		[-49,900]
034	LCS SUW MISSION MODULES .....	26,006	14,506
	Surface to Surface MM Early to need .....		[-11,500]
035	LCS IN-SERVICE MODERNIZATION .....	70,526	70,526
	<b>LOGISTIC SUPPORT</b>		
036	LSD MIDLIFE & MODERNIZATION .....	4,784	4,784
	<b>SHIP SONARS</b>		
037	SPQ-9B RADAR .....	20,309	20,309
038	AN/SQQ-89 SURF ASW COMBAT SYSTEM .....	115,459	115,459
039	SSN ACOUSTIC EQUIPMENT .....	318,189	318,189
040	UNDERSEA WARFARE SUPPORT EQUIPMENT .....	10,134	10,134
	<b>ASW ELECTRONIC EQUIPMENT</b>		
041	SUBMARINE ACOUSTIC WARFARE SYSTEM .....	23,815	23,815
042	SSTD .....	11,277	6,277
	AN/SLQ-25E contract delay .....		[-5,000]
043	FIXED SURVEILLANCE SYSTEM .....	237,780	237,780
044	SURTASS .....	57,872	57,872
	<b>ELECTRONIC WARFARE EQUIPMENT</b>		
045	AN/SLQ-32 .....	420,344	393,244
	Block 3 kit cost excess growth .....		[-12,429]
	Excess Ship Installation Unit Cost Growth .....		[-14,671]
	<b>RECONNAISSANCE EQUIPMENT</b>		
046	SHIPBOARD IW EXPLOIT .....	220,883	220,883
047	AUTOMATED IDENTIFICATION SYSTEM (AIS) .....	4,028	4,028
	<b>OTHER SHIP ELECTRONIC EQUIPMENT</b>		
048	COOPERATIVE ENGAGEMENT CAPABILITY .....	44,173	38,173
	Common Array Block antenna program delay .....		[-6,000]
049	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS) .....	10,991	10,991
050	ATDLS .....	34,526	34,526
051	NAVY COMMAND AND CONTROL SYSTEM (NCCS) .....	3,769	3,769
052	MINESWEEPING SYSTEM REPLACEMENT .....	35,709	35,709
053	SHALLOW WATER MCM .....	8,616	8,616
054	NAVSTAR GPS RECEIVERS (SPACE) .....	10,703	10,703
055	AMERICAN FORCES RADIO AND TV SERVICE .....	2,626	2,626
056	STRATEGIC PLATFORM SUPPORT EQUIP .....	9,467	9,467
	<b>AVIATION ELECTRONIC EQUIPMENT</b>		
057	ASHORE ATC EQUIPMENT .....	70,849	70,849
058	AFLOAT ATC EQUIPMENT .....	47,890	47,890
059	ID SYSTEMS .....	26,163	26,163
060	JOINT PRECISION APPROACH AND LANDING SYSTEM ( .....	38,094	38,094
061	NAVAL MISSION PLANNING SYSTEMS .....	11,966	11,966
	<b>OTHER SHORE ELECTRONIC EQUIPMENT</b>		
062	TACTICAL/MOBILE C4I SYSTEMS .....	42,010	42,010
063	DCGS-N .....	12,896	12,896
064	CANES .....	423,027	412,753
	CANES afloat kit prior year carryover .....		[-10,274]
065	RADIAC .....	8,175	8,175
066	CANES-INTELL .....	54,465	54,465
067	GPETE .....	5,985	5,985
068	MASF .....	5,413	5,413
069	INTEG COMBAT SYSTEM TEST FACILITY .....	6,251	6,251
070	EMI CONTROL INSTRUMENTATION .....	4,183	4,183
071	ITEMS LESS THAN \$5 MILLION .....	148,350	142,950
	NGSSR installation funding early to need .....		[-5,400]
	<b>SHIPBOARD COMMUNICATIONS</b>		
072	SHIPBOARD TACTICAL COMMUNICATIONS .....	45,450	45,450
073	SHIP COMMUNICATIONS AUTOMATION .....	105,087	105,087
074	COMMUNICATIONS ITEMS UNDER \$5M .....	41,123	41,123

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>SUBMARINE COMMUNICATIONS</b>			
075	SUBMARINE BROADCAST SUPPORT .....	30,897	30,897
076	SUBMARINE COMMUNICATION EQUIPMENT .....	78,580	78,580
<b>SATELLITE COMMUNICATIONS</b>			
077	SATELLITE COMMUNICATIONS SYSTEMS .....	41,205	41,205
078	NAVY MULTIBAND TERMINAL (NMT) .....	113,885	113,885
<b>SHORE COMMUNICATIONS</b>			
079	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	4,292	4,292
<b>CRYPTOGRAPHIC EQUIPMENT</b>			
080	INFO SYSTEMS SECURITY PROGRAM (ISSP) .....	153,526	153,526
081	MIO INTEL EXPLOITATION TEAM .....	951	951
<b>CRYPTOLOGIC EQUIPMENT</b>			
082	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	14,209	17,009
	SOUTHCOM CCO Sensor (2 suites) .....		[2,800]
<b>OTHER ELECTRONIC SUPPORT</b>			
086	COAST GUARD EQUIPMENT .....	40,713	40,713
<b>SONOBUOYS</b>			
088	SONOBUOYS—ALL TYPES .....	177,891	216,191
	Navy Unfunded Requirement .....		[38,300]
<b>AIRCRAFT SUPPORT EQUIPMENT</b>			
089	WEAPONS RANGE SUPPORT EQUIPMENT .....	93,864	93,864
090	AIRCRAFT SUPPORT EQUIPMENT .....	111,724	111,724
091	ADVANCED ARRESTING GEAR (AAG) .....	11,054	11,054
092	METEOROLOGICAL EQUIPMENT .....	21,072	21,072
093	DCRS/DPL .....	656	656
094	AIRBORNE MINE COUNTERMEASURES .....	11,299	11,299
095	LAMPS EQUIPMENT .....	594	594
096	AVIATION SUPPORT EQUIPMENT .....	39,374	37,874
	ASIP unit cost growth .....		[-1,500]
097	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL .....	35,405	35,405
<b>SHIP GUN SYSTEM EQUIPMENT</b>			
098	SHIP GUN SYSTEMS EQUIPMENT .....	5,337	5,337
<b>SHIP MISSILE SYSTEMS EQUIPMENT</b>			
099	SHIP MISSILE SUPPORT EQUIPMENT .....	213,090	213,090
100	TOMAHAWK SUPPORT EQUIPMENT .....	92,890	92,890
<b>FBM SUPPORT EQUIPMENT</b>			
101	STRATEGIC MISSILE SYSTEMS EQUIP .....	271,817	271,817
<b>ASW SUPPORT EQUIPMENT</b>			
102	SSN COMBAT CONTROL SYSTEMS .....	129,501	129,501
103	ASW SUPPORT EQUIPMENT .....	19,436	19,436
<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>			
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	14,258	14,258
105	ITEMS LESS THAN \$5 MILLION .....	5,378	5,378
<b>OTHER EXPENDABLE ORDNANCE</b>			
106	SUBMARINE TRAINING DEVICE MODS .....	65,543	65,543
107	SURFACE TRAINING EQUIPMENT .....	230,425	230,425
<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>			
108	PASSENGER CARRYING VEHICLES .....	4,867	4,867
109	GENERAL PURPOSE TRUCKS .....	2,674	2,674
110	CONSTRUCTION & MAINTENANCE EQUIP .....	20,994	20,994
111	FIRE FIGHTING EQUIPMENT .....	17,189	17,189
112	TACTICAL VEHICLES .....	19,916	19,916
113	AMPHIBIOUS EQUIPMENT .....	7,400	7,400
114	POLLUTION CONTROL EQUIPMENT .....	2,713	2,713
115	ITEMS UNDER \$5 MILLION .....	35,540	35,540
116	PHYSICAL SECURITY VEHICLES .....	1,155	1,155
<b>SUPPLY SUPPORT EQUIPMENT</b>			
117	SUPPLY EQUIPMENT .....	18,786	18,786
118	FIRST DESTINATION TRANSPORTATION .....	5,375	5,375
119	SPECIAL PURPOSE SUPPLY SYSTEMS .....	580,371	580,371
<b>TRAINING DEVICES</b>			
120	TRAINING SUPPORT EQUIPMENT .....	3,400	3,400
121	TRAINING AND EDUCATION EQUIPMENT .....	24,283	22,183
	Excess Production Support .....		[-2,100]
<b>COMMAND SUPPORT EQUIPMENT</b>			
122	COMMAND SUPPORT EQUIPMENT .....	66,681	66,681
123	MEDICAL SUPPORT EQUIPMENT .....	3,352	3,352
125	NAVAL MIP SUPPORT EQUIPMENT .....	1,984	1,984
126	OPERATING FORCES SUPPORT EQUIPMENT .....	15,131	15,131
127	CHSR EQUIPMENT .....	3,576	3,576
128	ENVIRONMENTAL SUPPORT EQUIPMENT .....	31,902	31,902
129	PHYSICAL SECURITY EQUIPMENT .....	175,436	195,436
	New Navy port waterborne security barriers increase .....		[20,000]
130	ENTERPRISE INFORMATION TECHNOLOGY .....	25,393	25,393
<b>OTHER</b>			
133	NEXT GENERATION ENTERPRISE SERVICE .....	96,269	96,269
<b>CLASSIFIED PROGRAMS</b>			
133A	CLASSIFIED PROGRAMS .....	15,681	15,681

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>SPARES AND REPAIR PARTS</b>			
134	SPARES AND REPAIR PARTS .....	326,838	326,838
	<b>TOTAL OTHER PROCUREMENT, NAVY .....</b>	<b>9,414,355</b>	<b>9,313,063</b>
<b>PROCUREMENT, MARINE CORPS</b>			
<b>TRACKED COMBAT VEHICLES</b>			
001	AAV7A1 PIP .....	156,249	96,836
	Program reduction .....		[-59,413]
002	AMPHIBIOUS COMBAT VEHICLE 1.1 .....	167,478	167,478
003	LAV PIP .....	43,701	43,701
<b>ARTILLERY AND OTHER WEAPONS</b>			
005	155MM LIGHTWEIGHT TOWED HOWITZER .....	47,158	47,158
006	ARTILLERY WEAPONS SYSTEM .....	134,246	134,246
007	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION .....	40,687	40,687
<b>OTHER SUPPORT</b>			
008	MODIFICATION KITS .....	22,904	22,904
<b>GUIDED MISSILES</b>			
009	GROUND BASED AIR DEFENSE .....	18,334	18,334
010	ANTI-ARMOR MISSILE-JAVELIN .....	3,020	3,020
011	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS) .....	13,760	13,760
012	ANTI-ARMOR MISSILE-TOW .....	59,702	59,702
<b>COMMAND AND CONTROL SYSTEMS</b>			
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C) .....	35,467	35,467
<b>REPAIR AND TEST EQUIPMENT</b>			
014	REPAIR AND TEST EQUIPMENT .....	46,081	45,656
	Program Reduction .....		[-425]
<b>OTHER SUPPORT (TEL)</b>			
015	MODIFICATION KITS .....	971	971
<b>COMMAND AND CONTROL SYSTEM (NON-TEL)</b>			
016	ITEMS UNDER \$5 MILLION (COMM & ELEC) .....	69,203	67,360
	Program Reduction .....		[-1,843]
017	AIR OPERATIONS C2 SYSTEMS .....	14,269	14,269
<b>RADAR + EQUIPMENT (NON-TEL)</b>			
018	RADAR SYSTEMS .....	6,694	6,694
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	224,969	224,969
<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>			
021	GCSS-MC .....	1,187	1,187
022	FIRE SUPPORT SYSTEM .....	60,189	60,189
023	INTELLIGENCE SUPPORT EQUIPMENT .....	73,848	73,848
025	UNMANNED AIR SYSTEMS (INTEL) .....	3,848	3,848
026	DCGS-MC .....	16,081	16,081
<b>OTHER SUPPORT (NON-TEL)</b>			
030	NEXT GENERATION ENTERPRISE NETWORK (NGEN) .....	87,120	87,120
031	COMMON COMPUTER RESOURCES .....	68,914	68,914
032	COMMAND POST SYSTEMS .....	124,838	124,838
033	RADIO SYSTEMS .....	279,680	264,680
	Program reduction .....		[-15,000]
034	COMM SWITCHING & CONTROL SYSTEMS .....	36,649	36,649
035	COMM & ELEC INFRASTRUCTURE SUPPORT .....	83,971	83,971
<b>CLASSIFIED PROGRAMS</b>			
035A	CLASSIFIED PROGRAMS .....	3,626	3,626
<b>ADMINISTRATIVE VEHICLES</b>			
036	COMMERCIAL CARGO VEHICLES .....	25,441	25,441
<b>TACTICAL VEHICLES</b>			
037	MOTOR TRANSPORT MODIFICATIONS .....	11,392	11,392
038	JOINT LIGHT TACTICAL VEHICLE .....	607,011	607,011
039	FAMILY OF TACTICAL TRAILERS .....	2,393	2,393
040	TRAILERS .....	6,540	6,540
<b>ENGINEER AND OTHER EQUIPMENT</b>			
041	ENVIRONMENTAL CONTROL EQUIP ASSORT .....	496	496
042	TACTICAL FUEL SYSTEMS .....	54	54
043	POWER EQUIPMENT ASSORTED .....	21,062	21,062
044	AMPHIBIOUS SUPPORT EQUIPMENT .....	5,290	5,290
045	EOD SYSTEMS .....	47,854	47,854
<b>MATERIALS HANDLING EQUIPMENT</b>			
046	PHYSICAL SECURITY EQUIPMENT .....	28,306	28,306
<b>GENERAL PROPERTY</b>			
047	FIELD MEDICAL EQUIPMENT .....	33,513	33,513
048	TRAINING DEVICES .....	52,040	52,040
049	FAMILY OF CONSTRUCTION EQUIPMENT .....	36,156	39,656
	GPS Grade Control Systems (GCS) and Survey Sets .....		[3,500]
050	FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV) .....	606	606
<b>OTHER SUPPORT</b>			
051	ITEMS LESS THAN \$5 MILLION .....	11,608	11,608
<b>SPARES AND REPAIR PARTS</b>			
053	SPARES AND REPAIR PARTS .....	25,804	25,804
	<b>TOTAL PROCUREMENT, MARINE CORPS .....</b>	<b>2,860,410</b>	<b>2,787,229</b>

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>			
<b>TACTICAL FORCES</b>			
001	F-35 .....	4,261,021	4,177,681
	Production Efficiencies .....		[-83,340]
002	ADVANCE PROCUREMENT (CY) .....	406,000	406,000
002A	O/A-X LIGHT ATTACK AIRCRAFT .....		300,000
	Procurement of O/A-X aircraft and long lead materials .....		[300,000]
<b>OTHER COMBAT AIRCRAFT</b>			
003	C-135B .....	222,176	222,176
<b>TACTICAL AIRLIFT</b>			
004	KC-46A TANKER .....	2,559,911	2,351,476
	Interim contractor support early to need .....		[-102,700]
	Unit cost savings .....		[-105,735]
<b>OTHER AIRLIFT</b>			
005	C-130J .....	35,858	35,858
006	HC-130J .....	129,437	129,437
008	MC-130J .....	770,201	727,879
	Interim supply support costs unjustified growth .....		[-42,322]
009	ADVANCE PROCUREMENT (CY) .....	218,000	218,000
<b>HELICOPTERS</b>			
011	COMBAT RESCUE HELICOPTER .....	680,201	680,201
<b>MISSION SUPPORT AIRCRAFT</b>			
013	CIVIL AIR PATROL A/C .....	2,719	2,719
<b>OTHER AIRCRAFT</b>			
014	TARGET DRONES .....	139,053	139,053
015	COMPASS CALL MODS .....	108,113	108,113
017	MQ-9 .....	221,707	341,707
	Increase to accelerate Advanced Battle Management System .....		[120,000]
<b>STRATEGIC AIRCRAFT</b>			
019	B-2A .....	60,301	60,301
020	B-1B .....	51,290	51,290
021	B-52 .....	105,519	95,830
	Air Force requested realignment .....		[-14,759]
	Airspace compliance funding ahead of need .....		[-1,954]
	Bomber tactical data link ahead of need .....		[-2,976]
	LRASM certification .....		[10,000]
<b>TACTICAL AIRCRAFT</b>			
023	A-10 .....	98,720	163,720
	Additional A-10 wing replacements .....		[65,000]
024	C-130J .....	10,831	10,831
025	F-15 .....	548,109	541,581
	APG-82 install cost growth .....		[-6,528]
026	F-16 .....	324,323	324,323
027	F-22A .....	250,710	250,710
029	F-35 MODIFICATIONS .....	247,271	247,271
030	F-15 EPAW .....	147,685	214,885
	Eagle Passive Active Warning and Survivability System (EPAWSS) .....		[67,200]
031	INCREMENT 3.2B .....	9,007	9,007
033	KC-46A TANKER .....	8,547	8,547
<b>AIRLIFT AIRCRAFT</b>			
034	C-5 .....	77,845	71,835
	Mission computer and weather radar cost growth .....		[-6,010]
036	C-17A .....	102,121	102,121
037	C-21 .....	17,516	17,516
038	C-32A .....	4,537	4,537
039	C-37A .....	419	419
<b>TRAINER AIRCRAFT</b>			
041	GLIDER MODS .....	137	137
042	T-6 .....	22,550	22,550
043	T-1 .....	21,952	21,952
044	T-38 .....	70,623	70,623
<b>OTHER AIRCRAFT</b>			
045	U-2 MODS .....	48,774	48,774
046	KC-10A (ATCA) .....	11,104	11,104
047	C-12 .....	4,900	4,900
048	VC-25A MOD .....	36,938	36,938
049	C-40 .....	251	251
050	C-130 .....	22,094	151,094
	Program Increase--eight blade propeller upgrade (88 kits) .....		[55,000]
	Program Increase--engine enhancement program (88 kits) .....		[74,000]
051	C-130J MODS .....	132,045	132,045
052	C-135 .....	113,076	91,410
	Aero-I SATCOM ahead of need .....		[-21,666]
053	OC-135B .....	5,913	5,913
054	COMPASS CALL MODS .....	49,885	49,885
055	COMBAT FLIGHT INSPECTION (CFIN) .....	499	499
056	RC-135 .....	394,532	394,532
057	E-3 .....	133,906	116,865

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
	Electronic protection ahead of need .....		[-17,041]
058	E-4 .....	67,858	67,858
059	E-8 .....	9,919	24,807
	Central Computer upgrade design .....		[14,888]
060	AIRBORNE WARNING AND CNTR SYS (AWACS) 40/45 .....	57,780	57,780
061	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	14,293	14,293
062	H-1 .....	2,940	2,940
063	H-60 .....	55,466	55,466
064	RQ-4 MODS .....	23,715	128,715
	EQ-4 BACN aircraft increase .....		[105,000]
065	HC/MC-130 MODIFICATIONS .....	37,754	37,754
066	OTHER AIRCRAFT .....	62,010	62,010
067	MQ-9 MODS .....	171,548	171,548
069	CV-22 MODS .....	60,416	60,416
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
070	INITIAL SPARES/REPAIR PARTS .....	956,408	865,408
	F-35A Spares .....		[42,000]
	KC-46 spares ahead of need .....		[-133,000]
	<b>COMMON SUPPORT EQUIPMENT</b>		
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	81,241	81,241
	<b>POST PRODUCTION SUPPORT</b>		
074	B-2A .....	1,763	1,763
075	B-2B .....	35,861	35,861
076	B-52 .....	12,819	12,819
077	C-17A .....	10,114	10,114
079	F-15 .....	2,545	2,545
081	F-16 .....	11,718	7,518
	F-16 Line Shutdown .....		[-4,200]
082	F-22A .....	14,489	14,489
083	OTHER AIRCRAFT .....	9,928	9,928
084	RQ-4 POST PRODUCTION CHARGES .....	40,641	40,641
	<b>INDUSTRIAL PREPAREDNESS</b>		
086	INDUSTRIAL RESPONSIVENESS .....	17,378	17,378
	<b>WAR CONSUMABLES</b>		
088	WAR CONSUMABLES .....	29,342	29,342
	<b>OTHER PRODUCTION CHARGES</b>		
089	OTHER PRODUCTION CHARGES .....	1,502,386	1,502,386
	<b>CLASSIFIED PROGRAMS</b>		
093	CLASSIFIED PROGRAMS .....	28,278	28,278
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>16,206,937</b>	<b>16,517,794</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</b>		
001	MISSILE REPLACEMENT EQ-BALLISTIC .....	36,786	18,066
	TERP delays .....		[-18,720]
	<b>TACTICAL</b>		
002	JOINT AIR-SURFACE STANDOFF MISSILE .....	430,708	417,708
	Forward financing support costs .....		[-13,000]
003	LRASMO .....	44,185	54,385
	Restore reduction .....		[10,200]
004	SIDEWINDER (AIM-9X) .....	121,253	121,253
005	AMRAAM .....	337,886	337,886
006	PREDATOR HELLFIRE MISSILE .....	113,765	113,765
007	SMALL DIAMETER BOMB .....	105,034	105,034
008	SMALL DIAMETER BOMB II .....	100,861	100,861
	<b>INDUSTRIAL FACILITIES</b>		
009	INDUSTRIAL PREPAREDNS/POL PREVENTION .....	787	787
	<b>CLASS IV</b>		
010	ICBM FUZE MOD .....	15,767	15,767
011	ADVANCE PROCUREMENT (CY) .....	4,100	4,100
012	MM III MODIFICATIONS .....	129,199	129,199
013	AGM-65D MAVERICK .....	288	288
014	AIR LAUNCH CRUISE MISSILE (ALCM) .....	47,632	47,632
	<b>MISSILE SPARES AND REPAIR PARTS</b>		
016	REPLEN SPARES/REPAIR PARTS .....	97,481	97,481
	<b>SPECIAL PROGRAMS</b>		
018	SPECIAL UPDATE PROGRAMS .....	188,539	188,539
	<b>CLASSIFIED PROGRAMS</b>		
019	CLASSIFIED PROGRAMS .....	895,183	895,183
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b> .....	<b>2,669,454</b>	<b>2,647,934</b>
	<b>SPACE PROCUREMENT, AIR FORCE</b>		
	<b>SPACE PROGRAMS</b>		
001	ADVANCED EHF .....	29,829	29,829
002	AF SATELLITE COMM SYSTEM .....	35,400	35,400
003	COUNTERSPACE SYSTEMS .....	1,121	1,121
004	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	27,867	27,867
005	WIDEBAND GAPPILLER SATELLITES(SPACE) .....	61,606	61,606

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
006	GENERAL INFORMATION TECH—SPACE .....	3,425	3,425
007	GPS III SPACE SEGMENT .....	69,386	69,386
008	GLOBAL POSITIONING (SPACE) .....	2,181	2,181
009	INTEG BROADCAST SERV .....	16,445	16,445
010	SPACEBORNE EQUIP (COMSEC) .....	31,895	31,895
012	MILSATCOM .....	11,265	11,265
013	EVOLVED EXPENDABLE LAUNCH CAPABILITY .....	709,981	709,981
014	EVOLVED EXPENDABLE LAUNCH VEH(SPACE) .....	994,555	994,555
015	SBIR HIGH (SPACE) .....	138,397	138,397
017	NUDET DETECTION SYSTEM .....	7,705	7,705
018	ROCKET SYSTEMS LAUNCH PROGRAM .....	47,609	47,609
019	SPACE FENCE .....	51,361	51,361
020	SPACE MODS .....	148,065	148,065
021	SPACELIFT RANGE SYSTEM SPACE .....	117,637	117,637
	<b>SSPARES</b>		
022	SPARES AND REPAIR PARTS .....	21,812	21,812
	<b>TOTAL SPACE PROCUREMENT, AIR FORCE</b> .....	<b>2,527,542</b>	<b>2,527,542</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>ROCKETS</b>		
001	ROCKETS .....	345,911	345,911
	<b>CARTRIDGES</b>		
002	CARTRIDGES .....	163,840	163,840
	<b>BOMBS</b>		
003	PRACTICE BOMBS .....	20,876	20,876
004	GENERAL PURPOSE BOMBS .....	259,308	259,308
005	MASSIVE ORDNANCE PENETRATOR (MOP) .....	38,111	38,111
006	JOINT DIRECT ATTACK MUNITION .....	234,198	234,198
007	B61 .....	109,292	109,292
008	ADVANCE PROCUREMENT (CY) .....	52,731	52,731
	<b>OTHER ITEMS</b>		
009	CAD/PAD .....	51,455	51,455
010	EXPLOSIVE ORDNANCE DISPOSAL (EOD) .....	6,038	6,038
011	SPARES AND REPAIR PARTS .....	524	524
012	MODIFICATIONS .....	1,270	1,270
013	ITEMS LESS THAN \$5,000,000 .....	4,604	4,604
	<b>FLARES</b>		
015	FLARES .....	125,286	125,286
	<b>FUZES</b>		
016	FUZES .....	109,358	109,358
	<b>SMALL ARMS</b>		
017	SMALL ARMS .....	64,502	64,502
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</b> .....	<b>1,587,304</b>	<b>1,587,304</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>		
	<b>PASSENGER CARRYING VEHICLES</b>		
001	PASSENGER CARRYING VEHICLES .....	6,949	6,949
	<b>CARGO AND UTILITY VEHICLES</b>		
002	MEDIUM TACTICAL VEHICLE .....	36,002	36,002
003	CAP VEHICLES .....	1,022	1,022
004	CARGO AND UTILITY VEHICLES .....	42,696	46,693
	Procurement of 7 DABs for PACOM .....		[3,997]
	<b>SPECIAL PURPOSE VEHICLES</b>		
005	JOINT LIGHT TACTICAL VEHICLE .....	30,145	30,145
006	SECURITY AND TACTICAL VEHICLES .....	1,230	1,230
007	SPECIAL PURPOSE VEHICLES .....	43,003	53,693
	Procurement of 7 DABs for PACOM .....		[10,690]
	<b>FIRE FIGHTING EQUIPMENT</b>		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	23,328	32,308
	Procurement of 7 DABs for PACOM .....		[8,980]
	<b>MATERIALS HANDLING EQUIPMENT</b>		
009	MATERIALS HANDLING VEHICLES .....	11,537	21,125
	Procurement of 7 DABs for PACOM .....		[9,588]
	<b>BASE MAINTENANCE SUPPORT</b>		
010	RUNWAY SNOW REMOV AND CLEANING EQU .....	37,600	38,279
	Procurement of 7 DABs for PACOM .....		[679]
011	BASE MAINTENANCE SUPPORT VEHICLES .....	104,923	104,923
	<b>COMM SECURITY EQUIPMENT(COMSEC)</b>		
012	COMSEC EQUIPMENT .....	114,372	114,372
	<b>INTELLIGENCE PROGRAMS</b>		
013	INTERNATIONAL INTEL TECH & ARCHITECTURES .....	8,290	8,290
014	INTELLIGENCE TRAINING EQUIPMENT .....	2,099	2,099
015	INTELLIGENCE COMM EQUIPMENT .....	37,415	37,415
	<b>ELECTRONICS PROGRAMS</b>		
016	AIR TRAFFIC CONTROL & LANDING SYS .....	57,937	14,387
	D-RAPCON Cost Growth .....		[-43,550]
018	BATTLE CONTROL SYSTEM—FIXED .....	3,012	3,012
019	THEATER AIR CONTROL SYS IMPROVEMEN .....	19,989	19,989

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
020	WEATHER OBSERVATION FORECAST .....	45,020	45,020
021	STRATEGIC COMMAND AND CONTROL .....	32,836	32,836
022	CHEYENNE MOUNTAIN COMPLEX .....	12,454	12,454
023	MISSION PLANNING SYSTEMS .....	14,263	14,263
025	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN) .....	7,769	7,769
<b>SPCL COMM-ELECTRONICS PROJECTS</b>			
026	GENERAL INFORMATION TECHNOLOGY .....	40,450	40,450
027	AF GLOBAL COMMAND & CONTROL SYS .....	6,619	6,619
028	MOBILITY COMMAND AND CONTROL .....	10,192	10,192
029	AIR FORCE PHYSICAL SECURITY SYSTEM .....	159,313	101,315
	Previously funded requirement .....		[-60,000]
	Procurement of 7 DABs for PACOM .....		[2,002]
030	COMBAT TRAINING RANGES .....	132,675	132,675
031	MINIMUM ESSENTIAL EMERGENCY COMM N .....	140,875	140,875
032	WIDE AREA SURVEILLANCE (WAS) .....	92,104	92,104
033	C3 COUNTERMEASURES .....	45,152	45,152
034	GCSS-AF FOS .....	483	483
035	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS .....	802	802
036	MAINTENANCE REPAIR & OVERHAUL INITIATIVE .....	12,207	12,207
037	THEATER BATTLE MGT C2 SYSTEM .....	7,644	7,644
038	AIR & SPACE OPERATIONS CENTER (AOC) .....	40,066	40,066
<b>AIR FORCE COMMUNICATIONS</b>			
041	BASE INFORMATION TRANSP T INFRASTR (BITI) WIRED .....	22,357	22,357
042	AFNET .....	102,836	82,836
	Prior year carryover .....		[-20,000]
043	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	3,145	3,145
044	USCENTCOM .....	13,194	13,194
<b>ORGANIZATION AND BASE</b>			
045	TACTICAL C-E EQUIPMENT .....	161,231	161,231
047	RADIO EQUIPMENT .....	12,142	12,142
048	CCTV/AUDIOVISUAL EQUIPMENT .....	6,505	3,255
	Carryover .....		[-3,250]
049	BASE COMM INFRASTRUCTURE .....	169,404	169,404
<b>MODIFICATIONS</b>			
050	COMM ELECT MODS .....	10,654	10,654
<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>			
051	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	51,906	51,906
<b>DEPOT PLANT+MTRL S HANDLING EQ</b>			
052	MECHANIZED MATERIAL HANDLING EQUIP .....	88,298	88,298
<b>BASE SUPPORT EQUIPMENT</b>			
053	BASE PROCURED EQUIPMENT .....	17,031	17,031
054	ENGINEERING AND EOD EQUIPMENT .....	82,635	82,635
055	MOBILITY EQUIPMENT .....	9,549	9,549
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....	24,005	35,333
	Procurement of 7 DABs for PACOM .....		[11,328]
<b>SPECIAL SUPPORT PROJECTS</b>			
058	DARP RC135 .....	26,262	26,262
059	DCGS-AF .....	448,290	378,490
	Forward financed in the FY18 Omnibus .....		[-69,800]
061	SPECIAL UPDATE PROGRAM .....	913,813	913,813
<b>CLASSIFIED PROGRAMS</b>			
062	CLASSIFIED PROGRAMS .....	17,258,069	17,258,069
<b>SPARES AND REPAIR PARTS</b>			
063	SPARES AND REPAIR PARTS .....	86,365	86,365
<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....		<b>20,890,164</b>	<b>20,740,828</b>
<b>PROCUREMENT, DEFENSE-WIDE</b>			
<b>MAJOR EQUIPMENT, OSD</b>			
043	MAJOR EQUIPMENT, OSD .....	35,295	35,295
<b>MAJOR EQUIPMENT, NSA</b>			
042	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) .....	5,403	5,403
<b>MAJOR EQUIPMENT, WHS</b>			
046	MAJOR EQUIPMENT, WHS .....	497	497
<b>MAJOR EQUIPMENT, DISA</b>			
007	INFORMATION SYSTEMS SECURITY .....	21,590	21,590
008	TELEPORT PROGRAM .....	33,905	33,905
009	ITEMS LESS THAN \$5 MILLION .....	27,886	27,886
010	NET CENTRIC ENTERPRISE SERVICES (NCES) .....	1,017	1,017
011	DEFENSE INFORMATION SYSTEM NETWORK .....	150,674	150,674
013	WHITE HOUSE COMMUNICATION AGENCY .....	94,610	94,610
014	SENIOR LEADERSHIP ENTERPRISE .....	197,246	197,246
015	JOINT REGIONAL SECURITY STACKS (JRSS) .....	140,338	140,338
016	JOINT SERVICE PROVIDER .....	107,182	100,442
	General reduction .....		[-6,740]
<b>MAJOR EQUIPMENT, DLA</b>			
018	MAJOR EQUIPMENT .....	5,225	5,225
<b>MAJOR EQUIPMENT, DSS</b>			
021	MAJOR EQUIPMENT .....	1,196	1,196

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>MAJOR EQUIPMENT, DCAA</b>			
001	ITEMS LESS THAN \$5 MILLION .....	2,542	2,542
<b>MAJOR EQUIPMENT, TJS</b>			
044	MAJOR EQUIPMENT, TJS .....	4,360	4,360
045	MAJOR EQUIPMENT, TJS—CE2T2 .....	904	904
<b>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</b>			
026	THAAD .....	874,068	874,068
027	GROUND BASED MIDCOURSE .....	409,000	409,000
028	ADVANCE PROCUREMENT (CY) .....	115,000	115,000
029	AEGIS BMD .....	593,488	593,488
030	ADVANCE PROCUREMENT (CY) .....	115,206	115,206
031	BMDS AN/TPY-2 RADARS .....	13,185	13,185
032	ISRAELI PROGRAMS .....	80,000	80,000
033	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD) .....	50,000	50,000
034	AEGIS ASHORE PHASE III .....	15,000	15,000
035	IRON DOME .....	70,000	70,000
036	AEGIS BMD HARDWARE AND SOFTWARE .....	97,057	97,057
<b>MAJOR EQUIPMENT, DHRA</b>			
003	PERSONNEL ADMINISTRATION .....	10,630	10,630
<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>			
023	VEHICLES .....	207	207
024	OTHER MAJOR EQUIPMENT .....	5,592	5,592
<b>MAJOR EQUIPMENT, DODEA</b>			
020	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS .....	1,723	1,723
<b>MAJOR EQUIPMENT, DCMA</b>			
002	MAJOR EQUIPMENT .....	3,873	3,873
<b>MAJOR EQUIPMENT, DMACT</b>			
019	MAJOR EQUIPMENT .....	13,106	13,106
<b>CLASSIFIED PROGRAMS</b>			
046A	CLASSIFIED PROGRAMS .....	589,691	589,691
<b>AVIATION PROGRAMS</b>			
050	ROTARY WING UPGRADES AND SUSTAINMENT .....	148,351	148,351
051	UNMANNED ISR .....	57,708	57,708
052	NON-STANDARD AVIATION .....	18,731	18,731
053	U-28 .....	32,301	32,301
054	MH-47 CHINOOK .....	131,033	131,033
055	CV-22 MODIFICATION .....	32,529	32,529
056	MQ-9 UNMANNED AERIAL VEHICLE .....	24,621	24,621
057	PRECISION STRIKE PACKAGE .....	226,965	226,965
058	AC/MC-130J .....	165,813	160,813
	Program decrease .....		[-5,000]
059	C-130 MODIFICATIONS .....	80,274	80,274
<b>SHIPBUILDING</b>			
060	UNDERWATER SYSTEMS .....	136,723	136,723
<b>AMMUNITION PROGRAMS</b>			
061	ORDNANCE ITEMS <\$5M .....	357,742	357,742
<b>OTHER PROCUREMENT PROGRAMS</b>			
062	INTELLIGENCE SYSTEMS .....	85,699	85,699
063	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	17,863	17,863
064	OTHER ITEMS <\$5M .....	112,117	112,117
065	COMBATANT CRAFT SYSTEMS .....	7,313	7,313
066	SPECIAL PROGRAMS .....	14,026	14,026
067	TACTICAL VEHICLES .....	88,608	85,608
	Non-standard vehicles program decrease .....		[-3,000]
068	WARRIOR SYSTEMS <\$5M .....	438,590	428,390
	Link 16 handheld radios for USSOCOM .....		[12,800]
	SAT Deployable Node .....		[-23,000]
069	COMBAT MISSION REQUIREMENTS .....	19,408	19,408
070	GLOBAL VIDEO SURVEILLANCE ACTIVITIES .....	6,281	6,281
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	18,509	18,509
073	OPERATIONAL ENHANCEMENTS .....	367,433	367,433
<b>CBDP</b>			
074	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS .....	166,418	166,418
075	CB PROTECTION & HAZARD MITIGATION .....	144,519	144,519
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE .....</b>	<b>6,786,271</b>	<b>6,761,331</b>
<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>			
<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>			
001	JOINT URGENT OPERATIONAL NEEDS FUND .....	100,025	0
	Program decrease .....		[-100,025]
	<b>TOTAL JOINT URGENT OPERATIONAL NEEDS FUND .....</b>	<b>100,025</b>	<b>0</b>
	<b>TOTAL PROCUREMENT .....</b>	<b>130,526,043</b>	<b>132,278,377</b>

1 SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY

2 OPERATIONS.

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
003	MQ-1 UAV .....	60,000	60,000
<b>ROTARY</b>			
011	UH-60 BLACKHAWK M MODEL (MYP) .....	21,246	21,246
014	CH-47 HELICOPTER .....	25,000	25,000
<b>MODIFICATION OF AIRCRAFT</b>			
017	MQ-1 PAYLOAD (MIP) .....	11,400	11,400
019	GRAY EAGLE MODS2 .....	32,000	32,000
020	MULTI SENSOR ABN RECON (MIP) .....	51,000	51,000
032	RQ-7 UAV MODS .....	50,868	50,868
033	UAS MODS .....	3,402	3,402
<b>GROUND SUPPORT AVIONICS</b>			
036	CMWS .....	84,387	84,387
037	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	24,060	24,060
<b>TOTAL AIRCRAFT PROCUREMENT, ARMY .....</b>		<b>363,363</b>	<b>363,363</b>
<b>MISSILE PROCUREMENT, ARMY</b>			
<b>SURFACE-TO-AIR MISSILE SYSTEM</b>			
002	MSE MISSILE .....	260,000	260,000
<b>AIR-TO-SURFACE MISSILE SYSTEM</b>			
005	HELLFIRE SYS SUMMARY .....	255,040	255,040
<b>ANTI-TANK/ASSAULT MISSILE SYS</b>			
008	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	31,120	31,120
011	GUIDED MLRS ROCKET (GMLRS) .....	624,500	624,500
013	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS) .....	171,138	171,138
014	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS) .....	112,973	112,973
<b>MODIFICATIONS</b>			
016	ATACMS MODS .....	225,580	225,580
021	MLRS MODS .....	122,000	122,000
<b>TOTAL MISSILE PROCUREMENT, ARMY .....</b>		<b>1,802,351</b>	<b>1,802,351</b>
<b>PROCUREMENT OF W&amp;TCV, ARMY</b>			
<b>TRACKED COMBAT VEHICLES</b>			
001	BRADLEY PROGRAM .....	205,000	205,000
002	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	230,359	230,359
<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>			
006	BRADLEY PROGRAM (MOD) .....	50,000	50,000
008	PALADIN INTEGRATED MANAGEMENT (PIM) .....	67,000	67,000
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	42,354	42,354
014	M1 ABRAMS TANK (MOD) .....	34,000	34,000
015	ABRAMS UPGRADE PROGRAM .....	455,000	455,000
<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>			
018	M240 MEDIUM MACHINE GUN (7.62MM) .....	126	126
022	MORTAR SYSTEMS .....	11,842	11,842
025	CARBINE .....	1,800	1,800
027	COMMON REMOTELY OPERATED WEAPONS STATION .....	3,378	3,378
<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>			
032	M2 50 CAL MACHINE GUN MODS .....	4,920	4,920
034	M240 MEDIUM MACHINE GUN MODS .....	7	7
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
039	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	1,397	1,397
<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY .....</b>		<b>1,107,183</b>	<b>1,107,183</b>
<b>PROCUREMENT OF AMMUNITION, ARMY</b>			
<b>SMALL/MEDIUM CAL AMMUNITION</b>			
001	CTG, 5.56MM, ALL TYPES .....	3,392	3,392
002	CTG, 7.62MM, ALL TYPES .....	40	40
003	CTG, HANDGUN, ALL TYPES .....	17	17
004	CTG, .50 CAL, ALL TYPES .....	189	189
005	CTG, 20MM, ALL TYPES .....	1,605	1,605
007	CTG, 30MM, ALL TYPES .....	25,000	25,000
<b>MORTAR AMMUNITION</b>			
009	60MM MORTAR, ALL TYPES .....	218	218
010	81MM MORTAR, ALL TYPES .....	484	484
<b>ARTILLERY AMMUNITION</b>			
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....	79,400	79,400
015	PROJ 155MM EXTENDED RANGE M982 .....	72,985	72,985
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL .....	63,900	63,900
<b>ROCKETS</b>			
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	22,242	22,242
019	ROCKET, HYDRA 70, ALL TYPES .....	39,974	39,974
<b>OTHER AMMUNITION</b>			

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<b>SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS</b>			
<b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
021	DEMOLITION MUNITIONS, ALL TYPES .....	5	5
022	GRENADES, ALL TYPES .....	8	8
	<b>MISCELLANEOUS</b>		
027	ITEMS LESS THAN \$5 MILLION (AMMO) .....	66	66
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY .....</b>	<b>309,525</b>	<b>309,525</b>
	<b>OTHER PROCUREMENT, ARMY</b>		
	<b>TACTICAL VEHICLES</b>		
002	SEMITRAILERS, FLATBED: .....	8,000	8,000
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4 .....	20,770	20,770
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....	115,400	115,400
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV .....	6,682	6,682
013	TACTICAL WHEELED VEHICLE PROTECTION KITS .....	50,000	50,000
014	MODIFICATION OF IN SVC EQUIP .....	186,377	186,377
	<b>COMM—SATELLITE COMMUNICATIONS</b>		
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....	7,100	7,100
	<b>COMM—COMBAT COMMUNICATIONS</b>		
037	JOINT TACTICAL RADIO SYSTEM .....	1,560	1,560
042	TRACTOR RIDE .....	13,190	13,190
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM .....	9,549	9,549
047	COTS COMMUNICATIONS EQUIPMENT .....	22,000	22,000
	<b>COMM—INTELLIGENCE COMM</b>		
050	CI AUTOMATION ARCHITECTURE (MIP) .....	9,800	9,800
	<b>INFORMATION SECURITY</b>		
055	COMMUNICATIONS SECURITY (COMSEC) .....	3	3
	<b>COMM—LONG HAUL COMMUNICATIONS</b>		
059	BASE SUPPORT COMMUNICATIONS .....	690	690
	<b>COMM—BASE COMMUNICATIONS</b>		
060	INFORMATION SYSTEMS .....	8,750	8,750
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	60,337	60,337
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
068	DCGS-A (MIP) .....	37,806	37,806
070	TROJAN (MIP) .....	6,926	6,926
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) .....	2,011	2,011
075	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP) .....	5,370	5,370
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		
080	CREW .....	42,651	42,651
081	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP) .....	20,050	20,050
082	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES .....	12,974	12,974
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
085	NIGHT VISION DEVICES .....	463	463
086	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM .....	2,861	2,861
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF .....	60	60
088	RADIATION MONITORING SYSTEMS .....	11	11
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS .....	251,062	251,062
091	FAMILY OF WEAPON SIGHTS (FWS) .....	525	525
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....	26,146	26,146
096	MOD OF IN-SVC EQUIP (LLDR) .....	4,050	4,050
097	COMPUTER BALLISTICS: LHMCB XM32 .....	960	960
098	MORTAR FIRE CONTROL SYSTEM .....	7,660	7,660
099	COUNTERFIRE RADARS .....	165,200	165,200
	<b>ELECT EQUIP—AUTOMATION</b>		
112	AUTOMATED DATA PROCESSING EQUIP .....	28,475	28,475
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
121	PROTECTIVE SYSTEMS .....	27	27
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE) .....	20,200	20,200
123	BASE DEFENSE SYSTEMS (BDS) .....	39,200	39,200
124	CBRN DEFENSE .....	2,317	2,317
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS) .....	16,000	16,000
130	AREA MINE DETECTION SYSTEM (AMDS) .....	1	1
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS) .....	4,850	4,850
136	REMOTE DEMOLITION SYSTEMS .....	1	1
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
139	HEATERS AND ECU'S .....	270	270
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....	4,300	4,300
142	GROUND SOLDIER SYSTEM .....	1,725	1,725
144	FORCE PROVIDER .....	55,800	55,800
145	FIELD FEEDING EQUIPMENT .....	1,035	1,035
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....	1,980	1,980
	<b>MEDICAL EQUIPMENT</b>		
151	COMBAT SUPPORT MEDICAL .....	17,527	17,527
	<b>MAINTENANCE EQUIPMENT</b>		
153	ITEMS LESS THAN \$5.0M (MAINT EQ) .....	268	268
	<b>CONSTRUCTION EQUIPMENT</b>		
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) .....	25,700	25,700
	<b>GENERATORS</b>		
165	GENERATORS AND ASSOCIATED EQUIP .....	569	569

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>			
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	9,495	9,495
<b>OTHER SUPPORT EQUIPMENT</b>			
176	M25 STABILIZED BINOCULAR .....	33	33
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT .....	18,000	18,000
178	PHYSICAL SECURITY SYSTEMS (OPA3) .....	6,000	6,000
179	BASE LEVEL COMMON EQUIPMENT .....	2,080	2,080
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....	19,200	19,200
	<b>TOTAL OTHER PROCUREMENT, ARMY .....</b>	<b>1,382,047</b>	<b>1,382,047</b>
<b>AIRCRAFT PROCUREMENT, NAVY</b>			
<b>OTHER AIRCRAFT</b>			
025	STUASL0 UAV .....	35,065	35,065
<b>MODIFICATION OF AIRCRAFT</b>			
032	SH-60 SERIES .....	4,858	4,858
034	EP-3 SERIES .....	5,380	5,380
044	SPECIAL PROJECT AIRCRAFT .....	2,165	2,165
049	COMMON ECM EQUIPMENT .....	9,820	9,820
051	COMMON DEFENSIVE WEAPON SYSTEM .....	3,206	3,206
061	QRC .....	2,410	2,410
063	RQ-21 SERIES .....	17,215	17,215
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY .....</b>	<b>80,119</b>	<b>80,119</b>
<b>WEAPONS PROCUREMENT, NAVY</b>			
<b>TACTICAL MISSILES</b>			
004	AMRAAM .....	1,183	1,183
005	SIDEWINDER .....	381	381
012	HELLFIRE .....	1,530	1,530
015	AERIAL TARGETS .....	6,500	6,500
<b>GUNS AND GUN MOUNTS</b>			
035	SMALL ARMS AND WEAPONS .....	1,540	1,540
<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>			
038	GUN MOUNT MODS .....	3,000	3,000
	<b>TOTAL WEAPONS PROCUREMENT, NAVY .....</b>	<b>14,134</b>	<b>14,134</b>
<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>			
<b>NAVY AMMUNITION</b>			
001	GENERAL PURPOSE BOMBS .....	62,530	62,530
002	JDAM .....	93,019	93,019
003	AIRBORNE ROCKETS, ALL TYPES .....	2,163	2,163
004	MACHINE GUN AMMUNITION .....	5,000	5,000
006	CARTRIDGES & CART ACTUATED DEVICES .....	5,334	5,334
007	AIR EXPENDABLE COUNTERMEASURES .....	36,580	36,580
008	JATOS .....	747	747
011	OTHER SHIP GUN AMMUNITION .....	2,538	2,538
013	PYROTECHNIC AND DEMOLITION .....	1,807	1,807
015	AMMUNITION LESS THAN \$5 MILLION .....	2,229	229
	Excess balances .....		[-2,000]
<b>MARINE CORPS AMMUNITION</b>			
019	MORTARS .....	2,018	2,018
021	DIRECT SUPPORT MUNITIONS .....	632	632
022	INFANTRY WEAPONS AMMUNITION .....	779	779
026	COMBAT SUPPORT MUNITIONS .....	164	164
029	ARTILLERY MUNITIONS .....	31,001	31,001
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC .....</b>	<b>246,541</b>	<b>244,541</b>
<b>OTHER PROCUREMENT, NAVY</b>			
<b>OTHER SHIPBOARD EQUIPMENT</b>			
021	UNDERWATER EOD PROGRAMS .....	9,200	9,200
<b>SMALL BOATS</b>			
028	STANDARD BOATS .....	19,060	19,060
<b>ASW ELECTRONIC EQUIPMENT</b>			
043	FIXED SURVEILLANCE SYSTEM .....	56,950	56,950
<b>SATELLITE COMMUNICATIONS</b>			
077	SATELLITE COMMUNICATIONS SYSTEMS .....	3,200	3,200
<b>CRYPTOLOGIC EQUIPMENT</b>			
082	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	2,000	2,000
<b>SONOBUOYS</b>			
088	SONOBUOYS—ALL TYPES .....	21,156	21,156
<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>			
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	33,580	30,580
	JCREW CUAS unit cost growth .....		[-3,000]
<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>			
108	PASSENGER CARRYING VEHICLES .....	170	170
109	GENERAL PURPOSE TRUCKS .....	400	400
111	FIRE FIGHTING EQUIPMENT .....	770	770
112	TACTICAL VEHICLES .....	7,298	7,298
<b>SUPPLY SUPPORT EQUIPMENT</b>			

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<b>SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS</b>			
<b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
118	FIRST DESTINATION TRANSPORTATION .....	500	500
	<b>COMMAND SUPPORT EQUIPMENT</b>		
123	MEDICAL SUPPORT EQUIPMENT .....	6,500	6,500
128	ENVIRONMENTAL SUPPORT EQUIPMENT .....	2,200	2,200
129	PHYSICAL SECURITY EQUIPMENT .....	19,389	19,389
	<b>CLASSIFIED PROGRAMS</b>		
133A	CLASSIFIED PROGRAMS .....	4,800	4,800
	<b>TOTAL OTHER PROCUREMENT, NAVY</b> .....	<b>187,173</b>	<b>184,173</b>
	<b>PROCUREMENT, MARINE CORPS</b>		
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>		
022	FIRE SUPPORT SYSTEM .....	5,583	5,583
	<b>TACTICAL VEHICLES</b>		
037	MOTOR TRANSPORT MODIFICATIONS .....	44,440	44,440
	<b>ENGINEER AND OTHER EQUIPMENT</b>		
045	EOD SYSTEMS .....	8,000	8,000
	<b>TOTAL PROCUREMENT, MARINE CORPS</b> .....	<b>58,023</b>	<b>58,023</b>
	<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>		
	<b>OTHER AIRLIFT</b>		
006	HC-130J .....	100,000	100,000
	<b>OTHER AIRCRAFT</b>		
017	MQ-9 .....	339,740	265,700
	Excess attrition aircraft .....		[-74,040]
018	RQ-20B PUMA .....	13,500	13,500
	<b>STRATEGIC AIRCRAFT</b>		
020	B-1B .....	4,000	4,000
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES .....	149,778	149,778
	<b>TACTICAL AIRCRAFT</b>		
023	A-10 .....	10,350	10,350
	<b>OTHER AIRCRAFT</b>		
045	U-2 MODS .....	7,900	7,900
054	COMPASS CALL MODS .....	36,400	36,400
059	E-8 .....	13,000	13,000
063	H-60 .....	40,560	40,560
065	HC/MC-130 MODIFICATIONS .....	87,900	87,900
066	OTHER AIRCRAFT .....	53,731	53,731
068	MQ-9 UAS PAYLOADS .....	16,000	16,000
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
070	INITIAL SPARES/REPAIR PARTS .....	91,500	91,500
	<b>COMMON SUPPORT EQUIPMENT</b>		
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	32,529	32,529
072	OTHER PRODUCTION CHARGES .....	22,000	22,000
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>1,018,888</b>	<b>944,848</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>TACTICAL</b>		
002	JOINT AIR-SURFACE STANDOFF MISSILE .....	61,600	61,600
005	AMRAAM .....	2,600	2,600
006	PREDATOR HELLFIRE MISSILE .....	255,000	255,000
007	SMALL DIAMETER BOMB .....	140,724	140,724
	<b>CLASS IV</b>		
013	AGM-65D MAVERICK .....	33,602	33,602
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b> .....	<b>493,526</b>	<b>493,526</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>CARTRIDGES</b>		
002	CARTRIDGES .....	29,587	29,587
	<b>BOMBS</b>		
004	GENERAL PURPOSE BOMBS .....	551,862	551,862
006	JOINT DIRECT ATTACK MUNITION .....	738,451	738,451
	<b>FLARES</b>		
015	FLARES .....	12,116	12,116
	<b>FUZES</b>		
016	FUZES .....	81,000	81,000
	<b>SMALL ARMS</b>		
017	SMALL ARMS .....	8,500	8,500
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</b> .....	<b>1,421,516</b>	<b>1,421,516</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>		
	<b>PASSENGER CARRYING VEHICLES</b>		
001	PASSENGER CARRYING VEHICLES .....	9,680	9,680
	<b>CARGO AND UTILITY VEHICLES</b>		
002	MEDIUM TACTICAL VEHICLE .....	9,680	9,680
004	CARGO AND UTILITY VEHICLES .....	19,680	19,680
	<b>SPECIAL PURPOSE VEHICLES</b>		
006	SECURITY AND TACTICAL VEHICLES .....	24,880	24,880
007	SPECIAL PURPOSE VEHICLES .....	34,680	34,680

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
	<b>FIRE FIGHTING EQUIPMENT</b>		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	9,736	9,736
	<b>MATERIALS HANDLING EQUIPMENT</b>		
009	MATERIALS HANDLING VEHICLES .....	24,680	24,680
	<b>BASE MAINTENANCE SUPPORT</b>		
010	RUNWAY SNOW REMOV AND CLEANING EQU .....	9,680	9,680
011	BASE MAINTENANCE SUPPORT VEHICLES .....	9,680	9,680
	<b>INTELLIGENCE PROGRAMS</b>		
015	INTELLIGENCE COMM EQUIPMENT .....	6,156	6,156
	<b>ELECTRONICS PROGRAMS</b>		
016	AIR TRAFFIC CONTROL & LANDING SYS .....	56,884	35,984
	D-RAPCON cost growth .....		[-20,900]
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>		
029	AIR FORCE PHYSICAL SECURITY SYSTEM .....	46,236	46,236
037	THEATER BATTLE MGT C2 SYSTEM .....	2,500	2,500
	<b>ORGANIZATION AND BASE</b>		
045	TACTICAL C-E EQUIPMENT .....	27,911	27,911
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>		
051	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	13,600	13,600
	<b>BASE SUPPORT EQUIPMENT</b>		
053	BASE PROCURED EQUIPMENT .....	28,800	28,800
054	ENGINEERING AND EOD EQUIPMENT .....	53,500	53,500
055	MOBILITY EQUIPMENT .....	78,562	78,562
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....	28,055	28,055
	<b>SPECIAL SUPPORT PROJECTS</b>		
059	DCGS-AF .....	2,000	2,000
	<b>CLASSIFIED PROGRAMS</b>		
062	CLASSIFIED PROGRAMS .....	3,229,364	3,229,364
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....	<b>3,725,944</b>	<b>3,705,044</b>
	<b>PROCUREMENT, DEFENSE-WIDE</b>		
	<b>MAJOR EQUIPMENT, DISA</b>		
008	TELEPORT PROGRAM .....	3,800	3,800
017	DEFENSE INFORMATION SYSTEMS NETWORK .....	12,000	12,000
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>		
025	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES .....	5,534	5,534
	<b>CLASSIFIED PROGRAMS</b>		
046A	CLASSIFIED PROGRAMS .....	41,559	41,559
	<b>AVIATION PROGRAMS</b>		
047	MANNED ISR .....	5,000	5,000
048	MC-12 .....	5,000	5,000
049	MH-60 BLACKHAWK .....	27,600	27,600
051	UNMANNED ISR .....	17,000	17,000
052	NON-STANDARD AVIATION .....	13,000	13,000
053	U-28 .....	51,722	51,722
054	MH-47 CHINOOK .....	36,500	36,500
	<b>AMMUNITION PROGRAMS</b>		
061	ORDNANCE ITEMS <\$5M .....	100,850	100,850
	<b>OTHER PROCUREMENT PROGRAMS</b>		
062	INTELLIGENCE SYSTEMS .....	16,500	16,500
064	OTHER ITEMS <\$5M .....	7,700	7,700
067	TACTICAL VEHICLES .....	59,891	59,891
068	WARRIOR SYSTEMS <\$5M .....	21,135	21,135
069	COMBAT MISSION REQUIREMENTS .....	10,000	10,000
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	10,805	10,805
073	OPERATIONAL ENHANCEMENTS .....	126,539	126,539
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE</b> .....	<b>572,135</b>	<b>572,135</b>
	<b>NATIONAL GUARD AND RESERVE EQUIPMENT</b>		
	<b>UNDISTRIBUTED</b>		
007	UNDISTRIBUTED .....		225,000
	Program increase .....		[225,000]
	<b>TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT</b> .....		<b>225,000</b>
	<b>TOTAL PROCUREMENT</b> .....	<b>12,782,468</b>	<b>12,907,528</b>

1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
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Sec. 4201. Research, development, test, and evaluation.

Sec. 4202. Research, development, test, and evaluation for overseas contingency operations.

**1 SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
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<b>SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION</b>				
<b>(In Thousands of Dollars)</b>				
<b>Line</b>	<b>Program Element</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</b>				
<b>BASIC RESEARCH</b>				
001	0601101A	IN-HOUSE LABORATORY INDEPENDENT RESEARCH .....	11,585	11,585
002	0601102A	DEFENSE RESEARCH SCIENCES .....	276,912	289,412
		Basic research increase .....		[7,500]
		Quantum information sciences .....		[5,000]
003	0601103A	UNIVERSITY RESEARCH INITIATIVES .....	65,283	65,283
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS .....	92,115	97,115
		Basic research program increase .....		[5,000]
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>445,895</b>	<b>463,395</b>
<b>APPLIED RESEARCH</b>				
005	0602105A	MATERIALS TECHNOLOGY .....	28,600	29,600
		Conformal batteries and composite armor .....		[1,000]
006	0602120A	SENSORS AND ELECTRONIC SURVIVABILITY .....	32,366	41,366
		Expand Army Research lab Open Campus project .....		[4,000]
		Program increase .....		[5,000]
007	0602122A	TRACTOR HIP .....	8,674	8,674
008	0602126A	TRACTOR JACK .....	400	400
009	0602211A	AVIATION TECHNOLOGY .....	64,847	64,847
010	0602270A	ELECTRONIC WARFARE TECHNOLOGY .....	25,571	25,571
011	0602303A	MISSILE TECHNOLOGY .....	50,183	50,183
012	0602307A	ADVANCED WEAPONS TECHNOLOGY .....	29,502	29,502
013	0602308A	ADVANCED CONCEPTS AND SIMULATION .....	28,500	28,500
014	0602601A	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY .....	70,450	70,450
015	0602618A	BALLISTICS TECHNOLOGY .....	75,541	75,541
016	0602622A	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY.	5,032	5,032
017	0602623A	JOINT SERVICE SMALL ARMS PROGRAM .....	12,394	12,394
018	0602624A	WEAPONS AND MUNITIONS TECHNOLOGY .....	40,444	52,944
		Accelerate Army railgun development and prototyping .....		[10,000]
		Advanced warheads technology .....		[2,500]
019	0602705A	ELECTRONICS AND ELECTRONIC DEVICES .....	58,283	58,283
020	0602709A	NIGHT VISION TECHNOLOGY .....	29,582	29,582
021	0602712A	COUNTERMINE SYSTEMS .....	21,244	21,244
022	0602716A	HUMAN FACTORS ENGINEERING TECHNOLOGY .....	24,131	26,631
		General program increase .....		[2,500]
023	0602720A	ENVIRONMENTAL QUALITY TECHNOLOGY .....	13,242	13,242
024	0602782A	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY .....	55,003	50,003
		General Program Reduction .....		[-5,000]
025	0602783A	COMPUTER AND SOFTWARE TECHNOLOGY .....	14,958	14,958
026	0602784A	MILITARY ENGINEERING TECHNOLOGY .....	78,159	78,159
027	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY .....	21,862	21,862
028	0602786A	WARFIGHTER TECHNOLOGY .....	40,566	45,566
		Program increase .....		[5,000]
029	0602787A	MEDICAL TECHNOLOGY .....	90,075	90,075
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>919,609</b>	<b>944,609</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
030	0603001A	WARFIGHTER ADVANCED TECHNOLOGY .....	39,338	39,338
031	0603002A	MEDICAL ADVANCED TECHNOLOGY .....	62,496	62,496
032	0603003A	AVIATION ADVANCED TECHNOLOGY .....	124,958	124,958
033	0603004A	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY .....	102,686	122,686
		Accelerate ERCA gun .....		[20,000]
034	0603005A	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY.	119,739	129,239
		Modular scalable powertrain .....		[2,500]
		Prototype Next Generation Combat Vehicle .....		[7,000]
035	0603006A	SPACE APPLICATION ADVANCED TECHNOLOGY .....	13,000	13,000
036	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY.	8,044	8,044
037	0603009A	TRACTOR HIKE .....	22,631	22,631
038	0603015A	NEXT GENERATION TRAINING & SIMULATION SYSTEMS .....	25,682	25,682
040	0603125A	COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT .....	3,762	3,762
041	0603130A	TRACTOR NAIL .....	4,896	4,896
042	0603131A	TRACTOR EGGS .....	6,041	6,041
043	0603270A	ELECTRONIC WARFARE TECHNOLOGY .....	31,491	31,491
044	0603313A	MISSILE AND ROCKET ADVANCED TECHNOLOGY .....	61,132	71,132

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		Shoot-on-the-Move Technology Development for SHORAD platforms		[10,000]
045	0603322A	TRACTOR CAGE .....	16,845	16,845
046	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM. Enhance and accelerate Army artificial intelligence and machine learning.	183,322	193,322
		Program increase .....		[5,000]
047	0603606A	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY.	11,104	11,104
048	0603607A	JOINT SERVICE SMALL ARMS PROGRAM .....	5,885	5,885
049	0603710A	NIGHT VISION ADVANCED TECHNOLOGY .....	61,376	58,876
		Program decrease .....		[-2,500]
050	0603728A	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	9,136	9,136
051	0603734A	MILITARY ENGINEERING ADVANCED TECHNOLOGY .....	25,864	32,864
		Minor MILCON .....		[2,000]
		Program increase .....		[5,000]
052	0603772A	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY. PNT research .....	34,883	42,383
		Program increase .....		[2,500]
053	0603794A	C3 ADVANCED TECHNOLOGY .....	52,387	47,387
		Program decrease .....		[-5,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>1,026,698</b>	<b>1,083,198</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
054	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .....	10,777	10,777
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING .....	42,802	42,802
057	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV .....	45,254	45,254
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	22,700	22,700
059	0603639A	TANK AND MEDIUM CALIBER AMMUNITION .....	41,974	53,974
		Army UFR: test and evaluation of the M999 155mm Anti-Personnel Improved Conventional Munition.		[12,000]
060	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV .....	119,395	111,395
		Developmental testing early to need .....		[-8,000]
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	8,746	8,746
062	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV ..	35,667	35,667
063	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT .....	7,350	7,350
064	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL .....	14,749	14,749
065	0603790A	NATO RESEARCH AND DEVELOPMENT .....	3,687	3,687
066	0603801A	AVIATION—ADV DEV .....	10,793	10,793
067	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV .....	14,248	14,248
068	0603807A	MEDICAL SYSTEMS—ADV DEV .....	34,284	34,284
069	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT .....	18,044	28,044
		Advanced materials research for personal protective equipment (PPE).		[10,000]
070	0604017A	ROBOTICS DEVELOPMENT .....	95,660	81,958
		RCV Phase 2 funding ahead of need .....		[-13,702]
071	0604020A	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING. Unjustified request .....	38,000	9,500
		ANALYSIS OF ALTERNATIVES .....		[-28,500]
072	0604100A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS) ..	9,765	9,765
073	0604113A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR .....	12,393	12,393
074	0604114A	Contracting award planning early to need .....	120,374	109,359
		Test funding ahead of need .....		[-2,515]
075	0604115A	TECHNOLOGY MATURATION INITIATIVES .....	95,347	95,347
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) .....	95,085	85,085
		Delayed new start effort .....		[-10,000]
077	0604118A	TRACTOR BEAM .....	52,894	52,894
079	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING.	77,939	77,939
080	0604319A	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2—INTERCEPT (IFPC2).	51,030	51,030
081	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT .....	65,817	65,817
082	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) .....	146,300	146,300
083	1206308A	ARMY SPACE SYSTEMS INTEGRATION .....	38,319	38,319
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>1,329,393</b>	<b>1,280,176</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
084	0604201A	AIRCRAFT AVIONICS .....	32,293	32,293
085	0604270A	ELECTRONIC WARFARE DEVELOPMENT .....	78,699	72,950
		Funding excess to need .....		[-5,749]
088	0604328A	TRACTOR CAGE .....	17,050	17,050
089	0604601A	INFANTRY SUPPORT WEAPONS .....	83,155	83,155
090	0604604A	MEDIUM TACTICAL VEHICLES .....	3,704	3,704

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
091	0604611A	JAVELIN .....	10,623	5,623
		Schedule delays .....		[-5,000]
092	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES .....	11,950	11,950
093	0604633A	AIR TRAFFIC CONTROL .....	12,347	12,347
095	0604642A	LIGHT TACTICAL WHEELED VEHICLES .....	8,212	8,212
096	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV .....	393,613	318,613
		Mobile Protected Firepower decrease .....		[-75,000]
097	0604710A	NIGHT VISION SYSTEMS—ENG DEV .....	139,614	139,614
098	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT .....	4,507	4,507
099	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV .....	49,436	44,436
		Historical underexecution .....		[-5,000]
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE— ENG DEV.	95,172	95,172
101	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT .....	22,628	22,628
102	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT .....	13,297	13,297
103	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV .....	9,145	9,145
104	0604768A	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT) .....	9,894	6,894
		Prior year carryover .....		[-3,000]
105	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE .....	21,964	21,964
106	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION .....	49,288	49,288
107	0604802A	WEAPONS AND MUNITIONS—ENG DEV .....	183,100	176,100
		Delayed new start efforts .....		[-7,000]
108	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV .....	79,706	76,481
		Late MSV-L contract award and concurrency .....		[-3,225]
109	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV.	15,970	15,970
110	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIP- MENT—ENG DEV.	44,542	44,542
111	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV .....	50,817	45,117
		Prior year carryover .....		[-5,700]
112	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFT- WARE.	178,693	168,693
		Command post integrated infrastructure delayed new start .....		[-10,000]
113	0604820A	RADAR DEVELOPMENT .....	39,338	39,338
114	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB)S ....	37,851	37,851
115	0604823A	FIREFINDER .....	45,473	45,473
116	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL .....	10,395	10,395
117	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD ....	69,204	55,804
		Program reduction .....		[-13,400]
118	0604854A	ARTILLERY SYSTEMS—EMD .....	1,781	1,781
119	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT .....	113,758	80,376
		Prior year carryover .....		[-33,382]
120	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A) ..	166,603	166,603
121	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV) .....	118,239	118,239
122	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).	3,211	3,211
123	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC) .....	15,889	15,889
124	0605031A	JOINT TACTICAL NETWORK (JTN) .....	41,972	41,972
125	0605032A	TRACTOR TIRE .....	41,166	41,166
126	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EX- PEDITIONARY (GBOSS-E).	5,175	5,175
127	0605034A	TACTICAL SECURITY SYSTEM (TSS) .....	4,496	4,496
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	51,178	51,178
129	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD) .....	11,311	11,311
131	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHI- CLE (NBCRV) SENSOR SUITE.	17,154	17,154
132	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT .....	36,626	36,626
133	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) .....	3,829	3,829
134	0605047A	CONTRACT WRITING SYSTEM .....	41,928	41,928
135	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM) .....	28,276	25,537
		Funding early to need .....		[-2,739]
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	21,965	21,965
137	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1 ....	157,710	145,710
		Developmental testing early to need .....		[-12,000]
138	0605053A	GROUND ROBOTICS .....	86,167	84,141
		CRS-I contract delay .....		[-2,026]
139	0605054A	EMERGING TECHNOLOGY INITIATIVES .....	42,866	68,266
		Army UFR: program increase .....		[25,400]
140	0605380A	AMF JOINT TACTICAL RADIO SYSTEM (JTRS) .....	15,984	15,984
141	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	11,773	11,773
142	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) .....	277,607	277,607
143	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP) .....	12,340	12,340
144	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,686	2,686
145	0605830A	AVIATION GROUND SUPPORT EQUIPMENT .....	2,706	2,706
147	0303032A	TROJAN—RH12 .....	4,521	4,521
150	0304270A	ELECTRONIC WARFARE DEVELOPMENT .....	8,922	8,922
151	1205117A	TRACTOR BEARS .....	23,170	23,170

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>			<b>3,192,689</b>	<b>3,034,868</b>
<b>RDT&amp;E MANAGEMENT SUPPORT</b>				
152	0604256A	THREAT SIMULATOR DEVELOPMENT .....	12,835	12,835
153	0604258A	TARGET SYSTEMS DEVELOPMENT .....	12,135	12,135
154	0604759A	MAJOR T&E INVESTMENT .....	82,996	107,996
		Program increase .....		[25,000]
155	0605103A	RAND ARROYO CENTER .....	19,821	19,821
156	0605301A	ARMY KWAJALEIN ATOLL .....	246,574	246,574
157	0605326A	CONCEPTS EXPERIMENTATION PROGRAM .....	30,430	30,430
159	0605601A	ARMY TEST RANGES AND FACILITIES .....	305,759	320,759
		Increase to help manage directed energy workloads .....		[15,000]
160	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS ..	62,379	62,379
161	0605604A	SURVIVABILITY/LETHALITY ANALYSIS .....	40,496	40,496
162	0605606A	AIRCRAFT CERTIFICATION .....	3,941	3,941
163	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES .....	9,767	9,767
164	0605706A	MATERIEL SYSTEMS ANALYSIS .....	21,226	21,226
165	0605709A	EXPLOITATION OF FOREIGN ITEMS .....	13,026	13,026
166	0605712A	SUPPORT OF OPERATIONAL TESTING .....	52,718	52,718
167	0605716A	ARMY EVALUATION CENTER .....	57,049	57,049
168	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG .....	2,801	2,801
169	0605801A	PROGRAMWIDE ACTIVITIES .....	60,942	60,942
170	0605803A	TECHNICAL INFORMATION ACTIVITIES .....	29,050	29,050
171	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFE- TY.	42,332	42,332
172	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT ....	3,216	3,216
173	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA .....	54,145	54,145
174	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY .....	4,896	4,896
175	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE ...	63,011	63,011
176	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION .....	2,636	2,636
177	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	88,300	88,300
<b>SUBTOTAL RDT&amp;E MANAGEMENT SUPPORT .....</b>			<b>1,322,481</b>	<b>1,362,481</b>
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>				
181	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM .....	8,886	8,886
182	0603813A	TRACTOR PULL .....	4,067	4,067
183	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT .....	4,254	4,254
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PRO- GRAMS.	16,022	16,022
185	0607133A	TRACTOR SMOKE .....	4,577	4,577
186	0607134A	LONG RANGE PRECISION FIRES (LRPF) .....	186,475	159,475
		Excess program growth .....		[-27,000]
187	0607135A	APACHE PRODUCT IMPROVEMENT PROGRAM .....	31,049	31,049
188	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM .....	35,240	35,240
189	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM .....	157,822	155,103
		Program management support excess growth .....		[-2,719]
190	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM .....	4,189	4,189
191	0607139A	IMPROVED TURBINE ENGINE PROGRAM .....	192,637	192,637
194	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.	60,860	47,860
		Research studies excess growth .....		[-13,000]
195	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS .....	52,019	38,519
		Unjustified growth .....		[-13,500]
196	0607665A	FAMILY OF BIOMETRICS .....	2,400	2,400
197	0607865A	PATRIOT PRODUCT IMPROVEMENT .....	65,369	75,369
		Increase PATRIOT improvement efforts .....		[10,000]
198	0202429A	AEROSTAT JOINT PROJECT—COCOM EXERCISE .....	1	1
199	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYS- TEM (JADOC).	30,954	30,954
200	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS .....	411,927	369,009
		Abrams ECP 1B schedule delay .....		[-14,978]
		Bradley A5 ECP schedule delay .....		[-12,221]
		Recovery vehicle improvement program delay .....		[-6,000]
		Stryker program management excess growth .....		[-9,719]
202	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS .....	40,676	37,201
		Prior year carryover .....		[-3,475]
203	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PRO- GRAMS.	17,706	17,706
204	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM ....	146	146
205	0203758A	DIGITIZATION .....	6,316	6,316
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM ...	1,643	1,643
207	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS .....	4,947	4,947
208	0203808A	TRACTOR CARD .....	34,050	34,050
210	0205410A	MATERIALS HANDLING EQUIPMENT .....	1,464	1,464
211	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	249	249
212	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM .....	79,283	78,798

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Line	Program Element	Item	FY 2019 Request	Conference Authorized
		unjustified request .....		[-485]
213	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) .....	154,102	125,954
		Unjustified growth .....		[-28,148]
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	12,280	12,280
217	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM .....	68,533	68,533
218	0303141A	GLOBAL COMBAT SUPPORT SYSTEM .....	68,619	65,073
		Increment 2 contract award delay .....		[-3,546]
220	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM .....	2,034	2,034
223	0305172A	COMBINED ADVANCED APPLICATIONS .....	1,500	1,500
224	0305179A	INTEGRATED BROADCAST SERVICE (IBS) .....	450	450
225	0305204A	TACTICAL UNMANNED AERIAL VEHICLES .....	6,000	6,000
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	12,416	12,416
227	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	38,667	33,667
		Integration and testing unjustified growth .....		[-5,000]
229	0305232A	RQ-11 UAV .....	6,180	6,180
230	0305233A	RQ-7 UAV .....	12,863	12,863
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	4,310	4,310
233	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES .....	53,958	53,958
234	1203142A	SATCOM GROUND ENVIRONMENT (SPACE) .....	12,119	12,119
235	1208053A	JOINT TACTICAL GROUND SYSTEM .....	7,400	7,400
235A	9999999999	CLASSIFIED PROGRAMS .....	5,955	5,955
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>1,922,614</b>	<b>1,792,823</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>10,159,379</b>	<b>9,961,550</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>		
		<b>BASIC RESEARCH</b>		
001	0601103N	UNIVERSITY RESEARCH INITIATIVES .....	119,433	134,433
		Basic research program increase .....		[5,000]
		Defense University Research Instrumentation Program .....		[10,000]
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH .....	19,237	19,237
003	0601153N	DEFENSE RESEARCH SCIENCES .....	458,708	468,708
		Basic research program increase .....		[5,000]
		Quantum information sciences .....		[5,000]
		<b>SUBTOTAL BASIC RESEARCH</b>	<b>597,378</b>	<b>622,378</b>
		<b>APPLIED RESEARCH</b>		
004	0602114N	POWER PROJECTION APPLIED RESEARCH .....	14,643	17,143
		Directed energy .....		[2,500]
005	0602123N	FORCE PROTECTION APPLIED RESEARCH .....	124,049	124,049
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY .....	59,607	59,607
007	0602235N	COMMON PICTURE APPLIED RESEARCH .....	36,348	36,348
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH .....	56,197	54,717
		ONR global growth .....		[-1,480]
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH .....	83,800	83,800
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH .....	42,998	42,998
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH .....	6,349	6,349
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH .....	58,049	78,049
		Academic partnerships for undersea unmanned warfare research and energy technology.		[20,000]
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH .....	147,771	147,771
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH .....	37,545	37,545
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH .....	159,697	159,697
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES.	64,418	64,418
		<b>SUBTOTAL APPLIED RESEARCH</b>	<b>891,471</b>	<b>912,491</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
019	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY .....	2,423	2,423
021	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD) .....	150,245	146,046
		Unjustified growth .....		[-4,199]
022	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT .....	13,313	13,313
023	0603671N	NAVY ADVANCED TECHNOLOGY DEVELOPMENT (ATD) .....	131,502	155,002
		Program increase—one sensor plus integration .....		[23,500]
024	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT.	232,996	232,996
025	0603680N	MANUFACTURING TECHNOLOGY PROGRAM .....	58,657	58,657
030	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	161,859	181,859
		Accelerate Navy railgun development and prototyping .....		[20,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>750,995</b>	<b>790,296</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
031	0603207N	AIR/OCEAN TACTICAL APPLICATIONS .....	29,747	29,747
032	0603216N	AVIATION SURVIVABILITY .....	7,050	7,050

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Line	Program Element	Item	FY 2019 Request	Conference Authorized
033	0603251N	AIRCRAFT SYSTEMS .....	793	793
034	0603254N	ASW SYSTEMS DEVELOPMENT .....	7,058	7,058
035	0603261N	TACTICAL AIRBORNE RECONNAISSANCE .....	3,540	3,540
036	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY .....	59,741	59,741
037	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES Barracuda EDMs ahead of PDR and CDR .....	62,727	60,727 [-2,000]
038	0603506N	SURFACE SHIP TORPEDO DEFENSE .....	8,570	8,570
039	0603512N	CARRIER SYSTEMS DEVELOPMENT .....	5,440	5,440
040	0603525N	PILOT FISH .....	162,222	162,222
041	0603527N	RETRACT LARCH .....	11,745	11,745
042	0603536N	RETRACT JUNIPER .....	114,265	114,265
043	0603542N	RADIOLOGICAL CONTROL .....	740	740
044	0603553N	SURFACE ASW .....	1,122	1,122
045	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT .....	109,086	96,086 [-13,000]
		Prior year inefficiencies impact .....		
046	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS .....	9,374	9,374
047	0603563N	SHIP CONCEPT ADVANCED DESIGN .....	89,419	107,419 [18,000]
		CHAMP acceleration .....		
048	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES .....	13,348	13,348
049	0603570N	ADVANCED NUCLEAR POWER SYSTEMS .....	256,137	256,137
050	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS .....	22,109	22,109
051	0603576N	CHALK EAGLE .....	29,744	29,744
052	0603581N	LITTORAL COMBAT SHIP (LCS) .....	27,997	27,997
053	0603582N	COMBAT SYSTEM INTEGRATION .....	16,351	16,351
054	0603595N	OHIO REPLACEMENT .....	514,846	526,846 [12,000]
		Advanced Submarines Control and Precision Propulsion Module In- tegration.		
055	0603596N	LCS MISSION MODULES .....	103,633	103,633
056	0603597N	AUTOMATED TEST AND ANALYSIS .....	7,931	7,931
057	0603599N	FRIGATE DEVELOPMENT .....	134,772	134,772
058	0603609N	CONVENTIONAL MUNITIONS .....	9,307	9,307
060	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM .....	1,828	1,828
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	43,148	43,148
062	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT .....	5,915	5,915
063	0603721N	ENVIRONMENTAL PROTECTION .....	19,811	19,811
064	0603724N	NAVY ENERGY PROGRAM .....	25,656	25,656
065	0603725N	FACILITIES IMPROVEMENT .....	5,301	5,301
066	0603734N	CHALK CORAL .....	267,985	267,985
067	0603739N	NAVY LOGISTIC PRODUCTIVITY .....	4,059	4,059
068	0603746N	RETRACT MAPLE .....	377,878	377,878
069	0603748N	LINK PLUMERIA .....	381,770	381,770
070	0603751N	RETRACT ELM .....	60,535	60,535
073	0603790N	NATO RESEARCH AND DEVELOPMENT .....	9,652	9,652
074	0603795N	LAND ATTACK TECHNOLOGY .....	15,529	15,529
075	0603851M	JOINT NON-LETHAL WEAPONS TESTING .....	27,581	27,581
076	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/ VAL.	101,566	101,566
077	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS .....	223,344	142,412 [-80,932]
		Program decrease .....		
078	0604014N	F/A -18 INFRARED SEARCH AND TRACK (IRST) .....	108,700	108,700
079	0604027N	DIGITAL WARFARE OFFICE .....	26,691	26,691
080	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES .....	16,717	16,717
081	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES .....	30,187	30,187
082	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION..	48,796	48,796
083	0604031N	LARGE UNMANNED UNDERSEA VEHICLES .....	92,613	71,413 [-21,200]
		Excessive Snakehead LDUUV growth .....		
084	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80).	58,121	58,121
086	0604126N	LITTORAL AIRBORNE MCM .....	17,622	17,622
087	0604127N	SURFACE MINE COUNTERMEASURES .....	18,154	18,154
088	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM).	47,278	47,278
090	0604289M	NEXT GENERATION LOGISTICS .....	11,081	11,081
092	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE .....	7,107	7,107
093	0604454N	LX (R) .....	5,549	5,549
094	0604536N	ADVANCED UNDERSEA PROTOTYPING .....	87,669	87,669
095	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM .....	132,818	119,918 [-12,900]
		Project 3378 schedule delays .....		
096	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ ENGINEERING SUPPORT.	7,230	7,230
097	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT.	143,062	143,062
099	0303354N	ASW SYSTEMS DEVELOPMENT—MIP .....	8,889	8,889
100	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM .....	25,291	11,291 [-14,000]
		Unjustified cost growth .....		
101	0304240N	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM .....	9,300	9,300
102	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP .....	466	466

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Line	Program Element	Item	FY 2019 Request	Conference Authorized
<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>			<b>4,293,713</b>	<b>4,179,681</b>
<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>				
103	0603208N	TRAINING SYSTEM AIRCRAFT .....	12,798	12,798
104	0604212N	OTHER HELO DEVELOPMENT .....	32,128	32,128
105	0604214M	AV-8B AIRCRAFT—ENG DEV .....	46,363	42,363
		Lacks operational justification/need .....		[-4,000]
107	0604215N	STANDARDS DEVELOPMENT .....	3,771	3,771
108	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT .....	16,611	16,611
109	0604218N	AIR/OCEAN EQUIPMENT ENGINEERING .....	17,368	17,368
110	0604221N	P-3 MODERNIZATION PROGRAM .....	2,134	2,134
111	0604230N	WARFARE SUPPORT SYSTEM .....	9,729	9,729
112	0604231N	TACTICAL COMMAND SYSTEM .....	57,688	57,688
113	0604234N	ADVANCED HAWKEYE .....	223,565	213,565
		excess carryover .....		[-10,000]
114	0604245M	H-1 UPGRADES .....	58,097	58,097
116	0604261N	ACOUSTIC SEARCH SENSORS .....	42,485	42,485
117	0604262N	V-22A .....	143,079	143,079
118	0604264N	AIR CREW SYSTEMS DEVELOPMENT .....	20,980	30,980
		Increase to advance aircrew physiological monitoring .....		[10,000]
119	0604269N	EA-18 .....	147,419	242,719
		UPL—EA-18G Advanced Modes / Cognitive EW .....		[95,300]
120	0604270N	ELECTRONIC WARFARE DEVELOPMENT .....	89,824	121,424
		Navy UFR: EA-18G offensive airborne electronic attack special mis- sion pods. ....		[31,600]
121	0604273M	EXECUTIVE HELO DEVELOPMENT .....	245,064	245,064
123	0604274N	NEXT GENERATION JAMMER (NGJ) .....	459,529	459,529
124	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY) .....	3,272	3,272
125	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II .....	115,253	109,479
		Engineering previously funded .....		[-5,774]
126	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING .....	397,403	387,103
		ACB 20 unexecutable growth .....		[-10,300]
127	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION .....	939	939
128	0604329N	SMALL DIAMETER BOMB (SDB) .....	104,448	104,448
129	0604366N	STANDARD MISSILE IMPROVEMENTS .....	165,881	180,881
		XFU electronics unit integration .....		[15,000]
130	0604373N	AIRBORNE MCM .....	10,831	10,831
131	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYS- TEMS ENGINEERING. ....	33,429	33,429
132	0604501N	ADVANCED ABOVE WATER SENSORS .....	35,635	35,635
133	0604503N	SSN-688 AND TRIDENT MODERNIZATION .....	126,932	126,932
134	0604504N	AIR CONTROL .....	62,448	62,448
135	0604512N	SHIPBOARD AVIATION SYSTEMS .....	9,710	9,710
136	0604518N	COMBAT INFORMATION CENTER CONVERSION .....	19,303	19,303
137	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM .....	27,059	27,059
138	0604530N	ADVANCED ARRESTING GEAR (AAG) .....	184,106	184,106
139	0604558N	NEW DESIGN SSN .....	148,233	148,233
140	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM .....	60,824	60,824
141	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E .....	60,062	66,062
		Planning to support FY21 award of LHA-9 .....		[6,000]
142	0604574N	NAVY TACTICAL COMPUTER RESOURCES .....	4,642	4,642
144	0604601N	MINE DEVELOPMENT .....	25,756	25,756
145	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT .....	95,147	63,147
		Project 3418 post-system design and engineering funds early to need .....		[-32,000]
146	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	7,107	7,107
147	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS .....	6,539	6,539
148	0604727N	JOINT STANDOFF WEAPON SYSTEMS .....	441	441
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	180,391	180,391
150	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL) .....	178,538	178,538
151	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) .....	120,507	120,507
152	0604761N	INTELLIGENCE ENGINEERING .....	29,715	29,715
153	0604771N	MEDICAL DEVELOPMENT .....	8,095	8,095
154	0604777N	NAVIGATION/ID SYSTEM .....	121,026	121,026
155	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD .....	66,566	66,566
156	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD .....	65,494	65,494
159	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT .....	14,005	14,005
160	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT .....	268,567	208,567
		General reduction .....		[-60,000]
161	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT .....	5,618	5,618
162	0605212M	CH-53K RDTE .....	326,945	326,945
164	0605215N	MISSION PLANNING .....	32,714	32,714
165	0605217N	COMMON AVIONICS .....	51,486	51,486
166	0605220N	SHIP TO SHORE CONNECTOR (SSC) .....	1,444	1,444
167	0605327N	T-AO 205 CLASS .....	1,298	1,298
168	0605414N	UNMANNED CARRIER AVIATION (UCA) .....	718,942	602,042
		Insufficient Air Vehicle budget justification .....		[-116,900]
169	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	6,759	11,759

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Line	Program Element	Item	FY 2019 Request	Conference Authorized
		JAGM-F for USN and USMC .....		[5,000]
171	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA) .....	37,296	37,296
172	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III .....	160,389	160,389
173	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION.	98,223	76,124
		Project 0026 excess concurrency .....		[-22,099]
174	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION.	2,260	2,260
175	0204202N	DDG-1000 .....	161,264	151,964
		Testing early to need .....		[-9,300]
180	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS .....	44,098	44,098
182	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	6,808	6,808
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>6,042,480</b>	<b>5,935,007</b>
		<b>MANAGEMENT SUPPORT</b>		
183	0604256N	THREAT SIMULATOR DEVELOPMENT .....	94,576	94,576
184	0604258N	TARGET SYSTEMS DEVELOPMENT .....	10,981	10,981
185	0604759N	MAJOR T&E INVESTMENT .....	77,014	83,014
		Program increase .....		[6,000]
186	0605126N	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	48	48
187	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY .....	3,942	3,942
188	0605154N	CENTER FOR NAVAL ANALYSES .....	48,797	48,797
189	0605285N	NEXT GENERATION FIGHTER .....	5,000	5,000
191	0605804N	TECHNICAL INFORMATION SERVICES .....	1,029	1,029
192	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT .....	87,565	87,565
193	0605856N	STRATEGIC TECHNICAL SUPPORT .....	4,231	4,231
194	0605861N	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT .....	1,072	1,072
195	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT .....	97,471	97,471
196	0605864N	TEST AND EVALUATION SUPPORT .....	373,834	373,834
197	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY .....	21,554	21,554
198	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT .....	16,227	16,227
200	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT .....	24,303	24,303
201	0605898N	MANAGEMENT HQ—R&D .....	43,262	43,262
202	0606355N	WARFARE INNOVATION MANAGEMENT .....	41,918	41,918
203	0606942M	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	7,000	7,000
204	0606942N	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	48,800	48,800
205	0305327N	INSIDER THREAT .....	1,682	1,682
206	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES).	1,579	1,579
208	1206867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT .....	8,684	8,684
		<b>SUBTOTAL MANAGEMENT SUPPORT</b> .....	<b>1,020,569</b>	<b>1,026,569</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
210	0604227N	HARPOON MODIFICATIONS .....	5,426	5,426
211	0604840M	F-35 C2D2 .....	259,122	259,122
212	0604840N	F-35 C2D2 .....	252,360	252,360
213	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC) .....	130,515	128,815
		Excess cost growth .....		[-1,700]
214	0607700N	DEPLOYABLE JOINT COMMAND AND CONTROL .....	3,127	3,127
215	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT .....	157,679	166,679
		Project 2228, technical applications, systems engineering modeling and simulation capability and tool development.		[9,000]
216	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM .....	43,198	42,198
		Excess program growth .....		[-1,000]
217	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT .....	11,311	11,311
218	0101402N	NAVY STRATEGIC COMMUNICATIONS .....	39,313	39,313
219	0204136N	F/A-18 SQUADRONS .....	193,086	200,086
		Engine noise reduction engineering .....		[2,000]
		JAGM-F for USN and USMC .....		[5,000]
220	0204163N	FLEET TELECOMMUNICATIONS (TACTICAL) .....	25,014	13,179
		High frequency over-the-horizon robust communications enterprise concurrency.		[-11,835]
221	0204228N	SURFACE SUPPORT .....	11,661	11,661
222	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC).	282,395	282,395
223	0204311N	INTEGRATED SURVEILLANCE SYSTEM .....	36,959	71,959
		Additional TRAPS units .....		[35,000]
224	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS .....	15,454	15,454
225	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT).	6,073	6,073
226	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	45,029	45,029
227	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT .....	104,903	104,903
228	0204574N	CRYPTOLOGIC DIRECT SUPPORT .....	4,544	4,544
229	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT .....	66,889	66,889
230	0205601N	HARM IMPROVEMENT .....	120,762	120,762
231	0205604N	TACTICAL DATA LINKS .....	104,696	116,696
		UPL—Tactical Targeting Network Technology acceleration .....		[12,000]

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232	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION .....	28,421	28,421
233	0205632N	MK-48 ADCAP .....	94,155	68,555
		Excessive TL-1 cost growth .....		[-25,600]
234	0205633N	AVIATION IMPROVEMENTS .....	121,805	136,805
		Navy UFR: F/A-18E/F Super Hornet engine enhancements .....		[15,000]
235	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS .....	117,028	117,028
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	174,779	174,779
237	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S) .....	4,826	4,826
238	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS .....	97,152	97,152
239	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT .....	30,156	30,156
240	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP) .....	39,976	39,976
241	0206629M	AMPHIBIOUS ASSAULT VEHICLE .....	22,637	20,690
		Lacks operational justification/need .....		[-1,947]
242	0207161N	TACTICAL AIM MISSILES .....	40,121	40,121
243	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) ... ..	32,473	29,606
		System improvement program efforts schedule delay .....		[-2,867]
249	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES) .....	23,697	23,697
250	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM .....	44,228	44,228
252	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES .....	6,081	6,081
253	0305204N	TACTICAL UNMANNED AERIAL VEHICLES .....	8,529	8,529
254	0305205N	UAS INTEGRATION AND INTEROPERABILITY .....	41,212	41,212
255	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	7,687	7,687
256	0305208N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	42,846	42,846
257	0305220N	MQ-4C TRITON .....	14,395	14,395
258	0305231N	MQ-8 UAV .....	9,843	9,843
259	0305232M	RQ-11 UAV .....	524	524
260	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASL0) .....	5,360	5,360
261	0305239M	RQ-21A .....	10,914	10,914
262	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT .....	81,231	81,231
263	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP) .....	5,956	5,956
264	0305421N	RQ-4 MODERNIZATION .....	219,894	219,894
265	0308601N	MODELING AND SIMULATION SUPPORT .....	7,097	7,097
266	0702207N	DEPOT MAINTENANCE (NON-IF) .....	36,560	36,560
267	0708730N	MARITIME TECHNOLOGY (MARITECH) .....	7,284	7,284
268	1203109N	SATELLITE COMMUNICATIONS (SPACE) .....	39,174	39,174
268A	999999999	CLASSIFIED PROGRAMS .....	1,549,503	1,549,503
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b> .....	<b>4,885,060</b>	<b>4,918,111</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b> .....	<b>18,481,666</b>	<b>18,384,533</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</b>		
		<b>BASIC RESEARCH</b>		
001	0601102F	DEFENSE RESEARCH SCIENCES .....	348,322	353,322
		Basic research program increase .....		[5,000]
002	0601103F	UNIVERSITY RESEARCH INITIATIVES .....	154,991	154,991
003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES .....	14,506	14,506
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>517,819</b>	<b>522,819</b>
		<b>APPLIED RESEARCH</b>		
004	0602102F	MATERIALS .....	125,373	142,373
		Advanced materials analysis .....		[4,000]
		Structural Biology Techniques .....		[3,000]
		Thermal protecting systems for hypersonics .....		[10,000]
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES .....	130,547	140,547
		Hypersonic vehicle structures .....		[10,000]
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH .....	112,518	112,518
007	0602203F	AEROSPACE PROPULSION .....	190,919	195,919
		Program increase .....		[5,000]
008	0602204F	AEROSPACE SENSORS .....	166,534	166,534
009	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEAD-QUARTERS ACTIVITIES .....	8,288	8,288
011	0602602F	CONVENTIONAL MUNITIONS .....	112,841	112,841
012	0602605F	DIRECTED ENERGY TECHNOLOGY .....	141,898	141,898
013	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS .....	162,420	172,420
		Enhance and accelerate Air Force artificial intelligence research .....		[10,000]
014	0602890F	HIGH ENERGY LASER RESEARCH .....	43,359	45,859
		Directed energy research .....		[2,500]
015	1206601F	SPACE TECHNOLOGY .....	117,645	117,645
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>1,312,342</b>	<b>1,356,842</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
016	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS .....	34,426	42,926
		Metals Affordability Initiative .....		[8,500]
017	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T) .....	15,150	15,150

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018	0603203F	ADVANCED AEROSPACE SENSORS .....	39,968	39,968
019	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO .....	121,002	126,002
		Design/Manufacture aircraft aft body drag reduction devices .....		[5,000]
020	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY .....	115,462	124,462
		General program increase .....		[9,000]
021	0603270F	ELECTRONIC COMBAT TECHNOLOGY .....	55,319	55,319
022	0603401F	ADVANCED SPACECRAFT TECHNOLOGY .....	54,895	54,895
023	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS) .....	10,674	10,674
024	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT. Autonomous life support system development .....	36,463	41,463
				[5,000]
025	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY .....	194,981	194,981
026	0603605F	ADVANCED WEAPONS TECHNOLOGY .....	43,368	53,368
		Demonstrator laser weapon system .....		[10,000]
027	0603680F	MANUFACTURING TECHNOLOGY PROGRAM .....	42,025	47,025
		Academic and industrial partnerships for aerospace materials .....		[5,000]
028	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION. <b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	51,064	51,064
			<b>814,797</b>	<b>857,297</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
030	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT .....	5,568	5,568
032	0603742F	COMBAT IDENTIFICATION TECHNOLOGY .....	18,194	18,194
033	0603790F	NATO RESEARCH AND DEVELOPMENT .....	2,305	2,305
035	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL .....	41,856	41,856
037	0604015F	LONG RANGE STRIKE—BOMBER .....	2,314,196	2,314,196
038	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT .....	14,894	14,894
039	0604257F	ADVANCED TECHNOLOGY AND SENSORS .....	34,585	34,585
040	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP .....	9,740	9,740
041	0604317F	TECHNOLOGY TRANSFER .....	12,960	12,960
042	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM. Program excess .....	71,501	69,701
				[-1,800]
043	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS .....	62,618	62,618
046	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D .....	28,350	28,350
048	0604858F	TECH TRANSITION PROGRAM .....	1,186,075	1,333,875
		Acceleration of Hypersonic Conventional Strike Weapon .....		[100,000]
		Competitively Awarded Transition Programs .....		[5,000]
		Rapid Sustainment Initiative .....		[42,800]
049	0605230F	GROUND BASED STRATEGIC DETERRENT .....	345,041	414,441
		Accelerated execution of program .....		[69,400]
050	0207110F	NEXT GENERATION AIR DOMINANCE .....	503,997	443,997
		Ahead of need .....		[-60,000]
051	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR) .....	40,326	40,326
052	0208099F	UNIFIED PLATFORM (UP) .....	29,800	29,800
054	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA) .....	41,880	41,880
055	0305601F	MISSION PARTNER ENVIRONMENTS .....	10,074	10,074
056	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	253,825	253,825
057	0306415F	ENABLED CYBER ACTIVITIES .....	16,325	16,325
059	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM .....	17,577	17,577
060	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE). EO/IR WEATHER SYSTEMS .....	286,629	286,629
			7,940	7,940
062	1206422F	WEATHER SYSTEM FOLLOW-ON .....	138,052	144,052
		Commercial weather data pilot .....		[6,000]
063	1206425F	SPACE SITUATION AWARENESS SYSTEMS .....	39,338	29,338
		Ahead of need .....		[-10,000]
064	1206434F	MIDTERM POLAR MILSATCOM SYSTEM .....	383,113	383,113
065	1206438F	SPACE CONTROL TECHNOLOGY .....	91,018	91,018
066	1206730F	SPACE SECURITY AND DEFENSE PROGRAM .....	45,542	45,542
067	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES) .....	51,419	51,419
068	1206761F	PROTECTED TACTICAL SERVICE (PTS) .....	29,776	29,776
069	1206855F	PROTECTED SATCOM SERVICES (PSCS)—AGGREGATED .....	29,379	29,379
070	1206857F	OPERATIONALLY RESPONSIVE SPACE .....	366,050	371,050
		Blackjack .....		[110,000]
		Space RCO Advanced Solar Power—early to need .....		[-105,000]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>6,529,943</b>	<b>6,686,343</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
071	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS .....	39,602	39,602
072	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT .....	58,531	58,531
073	0604222F	NUCLEAR WEAPONS SUPPORT .....	4,468	4,468
074	0604270F	ELECTRONIC WARFARE DEVELOPMENT .....	1,909	1,909
075	0604281F	TACTICAL DATA NETWORKS ENTERPRISE .....	207,746	257,746
		Increase to accelerate 21st Century Battle Management Command and Control.		[50,000]

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076	0604287F	PHYSICAL SECURITY EQUIPMENT .....	14,421	14,421
077	0604329F	SMALL DIAMETER BOMB (SDB)—EMD .....	73,158	73,158
081	0604429F	AIRBORNE ELECTRONIC ATTACK .....	7,153	7,153
083	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT .....	58,590	58,590
084	0604604F	SUBMUNITIONS .....	2,990	2,990
085	0604617F	AGILE COMBAT SUPPORT .....	20,028	20,028
086	0604618F	JOINT DIRECT ATTACK MUNITION .....	15,787	15,787
087	0604706F	LIFE SUPPORT SYSTEMS .....	8,919	8,919
088	0604735F	COMBAT TRAINING RANGES .....	35,895	43,895
		Advanced threat radar system .....		[8,000]
089	0604800F	F-35—EMD .....	69,001	69,001
091	0604932F	LONG RANGE STANDOFF WEAPON .....	614,920	699,920
		Accelerated execution of program .....		[85,000]
092	0604933F	ICBM FUZE MODERNIZATION .....	172,902	172,902
097	0605221F	KC-46 .....	88,170	83,170
		Excess to need .....		[-5,000]
098	0605223F	ADVANCED PILOT TRAINING .....	265,465	265,465
099	0605229F	COMBAT RESCUE HELICOPTER .....	457,652	457,652
105	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT .....	3,617	3,617
106	0605931F	B-2 DEFENSIVE MANAGEMENT SYSTEM .....	261,758	261,758
107	0101125F	NUCLEAR WEAPONS MODERNIZATION .....	91,907	91,907
108	0207171F	F-15 EPAWSS .....	137,095	137,095
109	0207328F	STAND IN ATTACK WEAPON .....	43,175	20,575
		Excess to need .....		[-22,600]
110	0207423F	ADVANCED COMMUNICATIONS SYSTEMS .....	14,888	14,888
111	0207701F	FULL COMBAT MISSION TRAINING .....	1,015	1,015
115	0307581F	JSTARS RECAP .....		30,000
		Continue JSTARS recap GMTI radar development .....		[30,000]
116	0401310F	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION .....	7,943	7,943
117	0401319F	PRESIDENTIAL AIRCRAFT RECAPITALIZATION (PAR) .....	673,032	673,032
118	0701212F	AUTOMATED TEST SYSTEMS .....	13,653	13,653
119	1203176F	COMBAT SURVIVOR EVADER LOCATOR .....	939	939
120	1203269F	GPS IIC .....	451,889	433,889
		SMI insufficient justification .....		[-18,000]
121	1203940F	SPACE SITUATION AWARENESS OPERATIONS .....	46,668	46,668
122	1206421F	COUNTERSPACE SYSTEMS .....	20,676	20,676
123	1206423F	SPACE SITUATION AWARENESS SYSTEMS .....	134,463	134,463
124	1206426F	SPACE FENCE .....	20,215	20,215
125	1206431F	ADVANCED EHF MILSATCOM (SPACE) .....	151,506	151,506
126	1206432F	POLAR MILSATCOM (SPACE) .....	27,337	27,337
127	1206433F	WIDEBAND GLOBAL SATCOM (SPACE) .....	3,970	3,970
128	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD .....	60,565	60,565
129	1206442F	EVOLVED SBIRS .....	643,126	743,126
		Accelerate sensor development .....		[100,000]
130	1206853F	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)—EMD.	245,447	245,447
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>5,272,191</b>	<b>5,499,591</b>
		<b>MANAGEMENT SUPPORT</b>		
131	0604256F	THREAT SIMULATOR DEVELOPMENT .....	34,256	34,256
132	0604759F	MAJOR T&E INVESTMENT .....	91,844	106,844
		Test infrastructure improvements .....		[15,000]
133	0605101F	RAND PROJECT AIR FORCE .....	34,614	34,614
135	0605712F	INITIAL OPERATIONAL TEST & EVALUATION .....	18,043	18,043
136	0605807F	TEST AND EVALUATION SUPPORT .....	692,784	724,684
		Test range modernization .....		[31,900]
137	0605826F	ACQ WORKFORCE- GLOBAL POWER .....	233,924	233,924
138	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS .....	263,488	263,488
139	0605828F	ACQ WORKFORCE- GLOBAL REACH .....	153,591	153,591
140	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS .....	232,315	232,315
141	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT .....	169,868	169,868
142	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION .....	226,219	226,219
143	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY .....	38,400	38,400
144	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS .....	125,761	125,761
147	0605898F	MANAGEMENT HQ—R&D .....	10,642	10,642
148	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	162,216	162,216
149	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUP- PORT.	28,888	28,888
150	0606017F	REQUIREMENTS ANALYSIS AND MATURATION .....	35,285	35,285
153	0308602F	ENTEPRISE INFORMATION SERVICES (EIS) .....	20,545	20,545
154	0702806F	ACQUISITION AND MANAGEMENT SUPPORT .....	12,367	12,367
155	0804731F	GENERAL SKILL TRAINING .....	1,448	1,448
157	1001004F	INTERNATIONAL ACTIVITIES .....	3,998	3,998
158	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT .....	23,254	23,254
159	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE .....	169,912	169,912
160	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA .....	10,508	10,508

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161	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) .....	19,721	19,721
162	1206864F	SPACE TEST PROGRAM (STP) .....	25,620	25,620
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>2,839,511</b>	<b>2,886,411</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
165	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING .....	11,344	11,344
167	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) .....	47,287	41,102
		Poor agile development implementation and lengthy delivery timeline .....		[-6,185]
168	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY .....	32,770	32,770
169	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION .....	68,368	68,368
170	0605278F	HC/MC-130 RECAP RDT&E .....	32,574	32,574
171	0606018F	NC3 INTEGRATION .....	26,112	26,112
172	0606942F	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES .....	99,100	99,100
173	0101113F	B-52 SQUADRONS .....	280,414	295,173
		Air Force requested realignment .....		[14,759]
174	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM) .....	5,955	5,955
175	0101126F	B-1B SQUADRONS .....	76,030	63,230
		FITP delayed new start .....		[-12,800]
176	0101127F	B-2 SQUADRONS .....	105,561	105,561
177	0101213F	MINUTEMAN SQUADRONS .....	156,047	156,047
179	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS .....	10,442	10,442
180	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK .....	22,833	22,833
181	0101328F	ICBM REENTRY VEHICLES .....	18,412	18,412
183	0102110F	UH-1N REPLACEMENT PROGRAM .....	288,022	288,022
184	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM .....	9,252	9,252
186	0205219F	MQ-9 UAV .....	115,345	115,345
188	0207131F	A-10 SQUADRONS .....	26,738	26,738
189	0207133F	F-16 SQUADRONS .....	191,564	191,564
190	0207134F	F-15E SQUADRONS .....	192,883	201,483
		ALQ-128 EW suite for ANG units .....		[50,000]
		Operational flight plan funding excess to need .....		[-41,400]
191	0207136F	MANNED DESTRUCTIVE SUPPRESSION .....	15,238	15,238
192	0207138F	F-22A SQUADRONS .....	603,553	588,453
		Program reduction .....		[-15,100]
193	0207142F	F-35 SQUADRONS .....	549,501	549,501
194	0207161F	TACTICAL AIM MISSILES .....	37,230	37,230
195	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) .....	61,393	61,393
196	0207227F	COMBAT RESCUE—PARARESCUE .....	647	647
198	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT .....	14,891	14,891
199	0207253F	COMPASS CALL .....	13,901	13,901
200	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM .....	121,203	121,203
202	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM) .....	60,062	60,062
203	0207410F	AIR & SPACE OPERATIONS CENTER (AOC) .....	106,102	98,102
		Unjustified request .....		[-8,000]
204	0207412F	CONTROL AND REPORTING CENTER (CRC) .....	6,413	6,413
205	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) .....	120,664	113,384
		Increase to accelerate 21st Century Battle Management Command and Control .....		[10,000]
		Radar controller program delay .....		[-17,280]
206	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS .....	2,659	2,659
208	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES .....	10,316	10,316
209	0207444F	TACTICAL AIR CONTROL PARTY-MOD .....	6,149	6,149
210	0207448F	C2ISR TACTICAL DATA LINK .....	1,738	1,738
211	0207452F	DCAPES .....	13,297	13,297
212	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS .....	1,788	1,788
213	0207581F	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS) .....	14,888	14,888
214	0207590F	SEEK EAGLE .....	24,699	24,699
215	0207601F	USAF MODELING AND SIMULATION .....	17,078	17,078
216	0207605F	WARGAMING AND SIMULATION CENTERS .....	6,141	6,141
218	0207697F	DISTRIBUTED TRAINING AND EXERCISES .....	4,225	4,225
219	0208006F	MISSION PLANNING SYSTEMS .....	63,653	63,653
220	0208007F	TACTICAL DECEPTION .....	6,949	6,949
221	0208087F	AF OFFENSIVE CYBERSPACE OPERATIONS .....	40,526	40,526
222	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS .....	24,166	24,166
223	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2) .....	13,000	13,000
224	0208099F	UNIFIED PLATFORM (UP) .....	28,759	28,759
229	0301017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN) .....	3,579	3,579
230	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES) .....	29,620	29,620
237	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS .....	6,633	6,633
238	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) .....	57,758	57,758
240	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN) .....	99,088	85,388
		Underexecution .....		[-13,700]
241	0303133F	HIGH FREQUENCY RADIO SYSTEMS .....	51,612	51,612
242	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM .....	34,612	34,612

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244	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE .....	2,170	2,170
246	0304260F	AIRBORNE SIGINT ENTERPRISE .....	106,873	109,873
		SIGINT single-pod development .....		[3,000]
247	0304310F	COMMERCIAL ECONOMIC ANALYSIS .....	3,472	3,472
250	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES .....	8,608	8,608
251	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY .....	1,586	1,586
252	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM) .....	4,492	4,492
254	0305111F	WEATHER SERVICE .....	26,942	26,942
255	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALs). Augmentation of air surveillance and early warning radar systems ...	6,271	8,771
				[2,500]
256	0305116F	AERIAL TARGETS .....	8,383	8,383
259	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES .....	418	418
261	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	3,845	3,845
268	0305202F	DRAGON U-2 .....	48,518	65,518
		EO/IR sensor upgrades .....		[17,000]
270	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS .....	175,334	185,334
		Gorgon Stare .....		[10,000]
271	0305207F	MANNED RECONNAISSANCE SYSTEMS .....	14,223	14,223
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	24,554	24,554
273	0305220F	RQ-4 UAV .....	221,690	221,690
274	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING .....	14,288	14,288
275	0305238F	NATO AGS .....	51,527	51,527
276	0305240F	SUPPORT TO DCGS ENTERPRISE .....	26,579	26,579
278	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES.	8,464	8,464
280	0305881F	RAPID CYBER ACQUISITION .....	4,303	4,303
284	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2) .....	2,466	2,466
285	0307577F	INTELLIGENCE MISSION DATA (IMD) .....	4,117	4,117
287	0401115F	C-130 AIRLIFT SQUADRON .....	105,988	105,988
288	0401119F	C-5 AIRLIFT SQUADRONS (IF) .....	25,071	25,071
289	0401130F	C-17 AIRCRAFT (IF) .....	48,299	48,299
290	0401132F	C-130J PROGRAM .....	15,409	15,409
291	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM) .....	4,334	4,334
292	0401218F	KC-135S .....	3,493	3,493
293	0401219F	KC-10S .....	6,569	6,569
294	0401314F	OPERATIONAL SUPPORT AIRLIFT .....	3,172	3,172
295	0401318F	CV-22 .....	18,502	18,502
296	0401840F	AMC COMMAND AND CONTROL SYSTEM .....	1,688	1,688
297	0408011F	SPECIAL TACTICS / COMBAT CONTROL .....	2,541	2,541
298	0702207F	DEPOT MAINTENANCE (NON-IF) .....	1,897	1,897
299	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM .....	50,933	50,933
300	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT) .....	13,787	13,787
301	0708611F	SUPPORT SYSTEMS DEVELOPMENT .....	4,497	4,497
302	0804743F	OTHER FLIGHT TRAINING .....	2,022	2,022
303	0808716F	OTHER PERSONNEL ACTIVITIES .....	108	108
304	0901202F	JOINT PERSONNEL RECOVERY AGENCY .....	2,023	2,023
305	0901218F	CIVILIAN COMPENSATION PROGRAM .....	3,772	3,772
306	0901220F	PERSONNEL ADMINISTRATION .....	6,358	6,358
307	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY .....	1,418	1,418
308	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT. Poor agile development implementation .....	99,734	93,834
				[-5,900]
309	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES .....	14,161	14,161
310	1202247F	AF TENCAP .....	26,986	26,986
311	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T) .....	80,168	80,168
312	1203110F	SATELLITE CONTROL NETWORK (SPACE) .....	17,808	17,808
314	1203163F	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS).	8,937	8,937
315	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER .....	59,935	59,935
316	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT.	21,019	21,019
317	1203179F	INTEGRATED BROADCAST SERVICE (IBS) .....	8,568	8,568
318	1203182F	SPACELIFT RANGE SYSTEM (SPACE) .....	10,641	10,641
319	1203265F	GPS III SPACE SEGMENT .....	144,543	144,543
320	1203400F	SPACE SUPERIORITY INTELLIGENCE .....	16,278	16,278
321	1203614F	JSPOC MISSION SYSTEM .....	72,256	62,256
		Assumed cost savings .....		[-10,000]
322	1203620F	NATIONAL SPACE DEFENSE CENTER .....	42,209	42,209
325	1203913F	NUDET DETECTION SYSTEM (SPACE) .....	19,778	19,778
326	1203940F	SPACE SITUATION AWARENESS OPERATIONS .....	19,572	19,572
327	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT.	513,235	513,235
327A	999999999	CLASSIFIED PROGRAMS .....	16,534,124	16,534,124
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>22,891,740</b>	<b>22,868,634</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF.</b>	<b>40,178,343</b>	<b>40,677,937</b>

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Line	Program Element	Item	FY 2019 Request	Conference Authorized
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</b>				
<b>BASIC RESEARCH</b>				
001	0601000BR	DTRA BASIC RESEARCH .....	37,023	37,023
002	0601101E	DEFENSE RESEARCH SCIENCES .....	422,130	416,130
		Program decrease .....		[-6,000]
003	0601110D8Z	BASIC RESEARCH INITIATIVES .....	42,702	42,702
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE .....	47,825	57,825
		TBI Treatment for blast injuries .....		[10,000]
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM .....	85,919	85,919
006	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS.	30,412	40,412
		Program increase .....		[10,000]
007	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	42,103	42,103
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>708,114</b>	<b>722,114</b>
<b>APPLIED RESEARCH</b>				
008	0602000D8Z	JOINT MUNITIONS TECHNOLOGY .....	19,170	21,670
		Insensitive munitions .....		[2,500]
009	0602115E	BIOMEDICAL TECHNOLOGY .....	101,300	101,300
011	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM .....	51,596	51,596
012	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES.	60,688	60,688
013	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY .....	395,317	395,317
014	0602383E	BIOLOGICAL WARFARE DEFENSE .....	38,640	38,640
015	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	192,674	192,674
016	0602668D8Z	CYBER SECURITY RESEARCH .....	14,969	14,969
017	0602702E	TACTICAL TECHNOLOGY .....	335,466	332,966
		General program increase .....		[2,500]
		MAD-FIRES reduction .....		[-5,000]
018	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY .....	226,898	218,898
		General program reduction .....		[-8,000]
019	0602716E	ELECTRONICS TECHNOLOGY .....	333,847	333,847
020	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH.	161,151	157,151
		JIDO program decrease .....		[-4,000]
021	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH.	9,300	9,300
022	1160401BB	SOF TECHNOLOGY DEVELOPMENT .....	35,921	35,921
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>1,976,937</b>	<b>1,964,937</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
023	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY .....	25,598	25,598
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	125,271	111,271
		General program reduction .....		[-14,000]
025	0603133D8Z	FOREIGN COMPARATIVE TESTING .....	24,532	24,532
027	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	299,858	270,858
		JIDO program decrease .....		[-29,000]
028	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT .....	13,017	13,017
029	0603178C	WEAPONS TECHNOLOGY .....		10,000
		Accelerate hypersonic defense capability .....		[10,000]
031	0603180C	ADVANCED RESEARCH .....	20,365	42,365
		Accelerate hypersonic missile defense .....		[22,000]
032	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT .....	18,644	18,644
034	0603286E	ADVANCED AEROSPACE SYSTEMS .....	277,603	282,603
		Hypersonics weapons programs development and transition .....		[5,000]
035	0603287E	SPACE PROGRAMS AND TECHNOLOGY .....	254,671	254,671
036	0603288D8Z	ANALYTIC ASSESSMENTS .....	19,472	19,472
037	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS .....	37,263	37,263
038	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA .....	13,621	13,621
039	0603294C	COMMON KILL VEHICLE TECHNOLOGY .....	189,753	100,753
		Early to need .....		[-89,000]
040	0603342D8W	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX) .....	29,364	29,364
041	0603375D8Z	TECHNOLOGY INNOVATION .....	83,143	83,143
042	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	142,826	142,826
043	0603527D8Z	RETRACT LARCH .....	161,128	161,128
044	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY .....	12,918	12,918
045	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS .....	106,049	106,049
046	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES .....	12,696	12,696
047	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM.	114,637	114,637
048	0603680S	MANUFACTURING TECHNOLOGY PROGRAM .....	49,667	52,167
		General program increase .....		[2,500]
049	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT .....	48,338	48,338
050	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS .....	11,778	12,778
		General program increase .....		[1,000]

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052	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM .....	76,514	86,514
		Readiness Increase .....		[10,000]
053	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUP- PORT.	168,931	173,931
		Tunable filter, support for microelectronics development .....		[5,000]
054	0603727D8Z	JOINT WARFIGHTING PROGRAM .....	5,992	5,992
055	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES .....	111,099	118,599
		Support for the Electronics Resurgence Initiative .....		[7,500]
056	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS .....	185,984	185,984
057	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY .....	438,569	434,069
		General program reduction .....		[-4,500]
058	0603767E	SENSOR TECHNOLOGY .....	190,128	191,628
		Sensors and processing systems technology .....		[1,500]
059	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVEL- OPMENT.	13,564	13,564
060	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE .....	15,050	15,050
061	0603826D8Z	QUICK REACTION SPECIAL PROJECTS .....	69,626	59,626
		General program reduction .....		[-10,000]
062	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY .....	19,415	19,415
063	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM .....	69,533	69,533
064	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY .....	96,389	111,389
		Hypersonics and directed energy test .....		[10,000]
		Workforce development .....		[5,000]
065	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT .....	40,582	45,582
		Readiness Increase .....		[5,000]
066	0303310D8Z	CWMD SYSTEMS .....	26,644	26,644
067	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT .....	79,380	79,380
067A	0603XXD8Z	NATIONAL SECURITY INNOVATION ACTIVITIES .....		75,000
		Establish office for capital investment .....		[75,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOP- MENT.</b>	<b>3,699,612</b>	<b>3,712,612</b>
		<b>ADVANCED COMPONENT DEVELOPMENT AND PROTO- TYPES</b>		
068	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIP- MENT RDT&E ADC&P.	28,140	28,140
069	0603600D8Z	WALKOFF .....	92,222	92,222
070	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES	2,506	2,506
071	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM.	40,016	42,016
		Readiness Increase .....		[2,000]
072	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEG- MENT.	214,173	398,273
		Accelerate USFK JEON delivery .....		[184,100]
073	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEG- MENT.	926,359	817,359
		Address cyber threats .....		[8,000]
		Forward financed in the FY18 Omnibus .....		[-117,000]
074	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL	129,886	129,886
075	0603884C	BALLISTIC MISSILE DEFENSE SENSORS .....	220,876	249,876
		Accelerate USFK JEON delivery .....		[24,000]
		Address cyber threats .....		[5,000]
076	0603890C	BMD ENABLING PROGRAMS .....	540,926	540,926
077	0603891C	SPECIAL PROGRAMS—MDA .....	422,348	422,348
078	0603892C	AEGIS BMD .....	767,539	767,539
081	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	475,168	483,168
		Address cyber threats .....		[8,000]
082	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	48,767	48,767
083	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC).	54,925	54,925
084	0603906C	REGARDING TRENCH .....	16,916	16,916
085	0603907C	SEA BASED X-BAND RADAR (SBX) .....	149,715	136,715
		Forward financed in the FY18 Omnibus .....		[-13,000]
086	0603913C	ISRAELI COOPERATIVE PROGRAMS .....	300,000	300,000
087	0603914C	BALLISTIC MISSILE DEFENSE TEST .....	365,681	452,581
		Accelerate USFK JEON delivery .....		[71,900]
		Address cyber threats .....		[15,000]
088	0603915C	BALLISTIC MISSILE DEFENSE TARGETS .....	517,852	491,352
		Accelerate USFK JEON delivery .....		[4,500]
		Address cyber threats .....		[5,000]
		Forward financed in the FY18 Omnibus .....		[-36,000]
089	0603920D8Z	HUMANITARIAN DEMINING .....	11,347	11,347
090	0603923D8Z	COALITION WARFARE .....	8,528	8,528
091	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM .....	3,477	8,477
		Corrosion prevention .....		[5,000]
092	0604115C	TECHNOLOGY MATURATION INITIATIVES .....	148,822	203,822
		Address cyber threats .....		[5,000]

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		Laser sealing for boost phase intercept .....		[50,000]
093	0604132D8Z	MISSILE DEFEAT PROJECT .....	58,607	58,607
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTO- TYPE DEVELOPMENT, AND TESTING. JIDO program decrease .....	12,993	0
				[-12,993]
095	0604181C	HYPERSONIC DEFENSE .....	120,444	130,944
		Accelerate hypersonic defense capability .....		[10,500]
096	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES .....	1,431,702	1,431,702
		Program reduction .....		[-50,000]
		Quartermaster Pathfinder .....		[50,000]
097	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	233,142	238,642
		New trust approach development .....		[5,500]
098	0604331D8Z	RAPID PROTOTYPING PROGRAM .....	99,333	99,333
098A	0604342D8Z	DEFENSE TECHNOLOGY OFFSET .....		100,000
		Directed energy .....		[100,000]
099	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COM- MON DEVELOPMENT.	3,781	3,781
100	0604673C	PACIFIC DISCRIMINATING RADAR .....	95,765	95,765
101	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,768	3,768
103	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	22,435	22,435
104	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR) .....	164,562	164,562
105	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS .....	561,220	421,820
		Forward financed in the FY18 Omnibus .....		[-139,400]
106	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEG- MENT TEST.	61,017	61,017
107	0604878C	AEGIS BMD TEST .....	95,756	95,756
108	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST .....	81,001	81,001
109	0604880C	LAND-BASED SM-3 (LB8M3) .....	27,692	27,692
111	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST ... Forward financed in the FY18 Omnibus .....	81,934	72,634
				[-9,300]
112	0604894C	MULTI-OBJECT KILL VEHICLE .....	8,256	6,870
		Unjustified growth .....		[-1,386]
113	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS .....	2,600	2,600
114	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM .....	3,104	3,104
115	0305103C	CYBER SECURITY INITIATIVE .....	985	985
116	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM .....	36,955	36,955
117	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS .....	16,484	94,484
		Address cyber threats .....		[5,000]
		Develop space sensor architecture .....		[73,000]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.</b>	<b>8,709,725</b>	<b>8,962,146</b>
		<b>SYSTEM DEVELOPMENT AND DEMONSTRATION</b>		
118	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIP- MENT RDT&E SDD.	8,333	8,333
119	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT .....	263,414	413,414
		Accelerate program .....		[150,000]
120	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD .....	388,701	388,701
121	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).	19,503	19,503
122	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DE- VELOPMENT.	6,163	6,163
123	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT .....	11,988	11,988
124	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE .....	296	296
125	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM .....	1,489	1,489
126	0605027D8Z	OSD(C) IT DEVELOPMENT INITIATIVES .....	9,590	9,590
127	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEM- ONSTRATION.	3,173	3,173
128	0605075D8Z	DCMO POLICY AND INTEGRATION .....	2,105	2,105
129	0605080S	DEFENSE AGENCY INITIATIVES (DAD)—FINANCIAL SYSTEM ...	21,156	21,156
130	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS) .....	10,731	10,731
132	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	6,374	6,374
133	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	56,178	58,678
		New trust approach development .....		[2,500]
134	0303141K	GLOBAL COMBAT SUPPORT SYSTEM .....	2,512	2,512
135	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEM).	2,435	2,435
136	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	17,048	17,048
		<b>SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION.</b>	<b>831,189</b>	<b>983,689</b>
		<b>MANAGEMENT SUPPORT</b>		
137	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS) .....	6,661	6,661
138	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT .....	4,088	4,088
139	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOP- MENT (CTEIP).	258,796	268,796

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		Advanced hypersonic wind tunnel experimentation .....		[10,000]
140	0604942D8Z	ASSESSMENTS AND EVALUATIONS .....	31,356	31,356
141	0605001E	MISSION SUPPORT .....	65,646	65,646
142	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC) .... Cyber range capacity and development .....	84,184	89,184 [5,000]
143	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS .....	22,576	22,576
144	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZA- TION (JLAMDO) .....	52,565	52,565
146	0605142D8Z	SYSTEMS ENGINEERING .....	38,872	38,872
147	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD .....	3,534	3,534
148	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY .....	5,050	5,050
149	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION ..	11,450	11,450
150	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE) .....	1,693	1,693
151	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	102,883	102,883
159	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER .....	2,545	2,545
160	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS .....	24,487	24,487
161	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC) .....	56,853	56,853
162	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVAL- UATION .....	24,914	24,914
163	0605804D8Z	DEVELOPMENT TEST AND EVALUATION .....	20,179	25,179
		Improve software testing capabilities .....		[5,000]
164	0605898E	MANAGEMENT HQ—R&D .....	13,643	13,643
165	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC) .....	4,124	4,124
166	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS .....	5,768	5,768
167	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS .....	1,030	1,030
168	0606389D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT ..	1,000	1,000
169	0606942C	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES ..	3,400	3,400
170	0606942S	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES ..	4,000	4,000
171	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI) .....	3,008	3,008
172	0204571J	JOINT STAFF ANALYTICAL SUPPORT .....	6,658	6,658
175	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES ..	652	652
176	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO) ..	1,005	1,005
177	0305172K	COMBINED ADVANCED APPLICATIONS .....	21,363	21,363
180	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVEST- MENTS .....	109,529	109,529
181	0306310D8Z	CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT .....	1,244	1,244
184	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANS- FORMATION (CE2T2)—NON-MHA .....	42,940	42,940
185	0901598C	MANAGEMENT HQ—MDA .....	28,626	28,626
187	0903235K	JOINT SERVICE PROVIDER (JSP) .....	5,104	5,104
188A	9999999999	CLASSIFIED PROGRAMS .....	45,604	45,604
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,117,030</b>	<b>1,137,030</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
189	0604130V	ENTERPRISE SECURITY SYSTEM (ESS) .....	9,750	9,750
190	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNER- SHIP FOR PEACE INFORMATION MANA .....	1,855	1,855
191	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMA- TION SYSTEM (OHASIS) .....	304	304
192	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT ...	10,376	10,376
193	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT .....	5,915	5,915
194	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS) .....	5,869	5,869
195	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYS- TEMS DEVELOPMENT) .....	48,741	48,741
196	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS) .....	3,037	3,037
197	0208045K	C4I INTEROPERABILITY .....	62,814	62,814
203	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTE- GRATION .....	16,561	16,561
204	0303126K	LONG-HAUL COMMUNICATIONS—DCS .....	14,769	14,769
205	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NET- WORK (MEECN) .....	17,579	17,579
207	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI) .....	31,737	31,737
208	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM .....	7,940	17,940
		Expand cyber scholarship program .....		[10,000]
209	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM .....	229,252	229,252
210	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM .....	19,611	19,611
211	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM .....	46,900	46,900
212	0303153K	DEFENSE SPECTRUM ORGANIZATION .....	7,570	7,570
213	0303228K	JOINT INFORMATION ENVIRONMENT (JIE) .....	7,947	7,947
215	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECH- NOLOGY .....	39,400	39,400
224	0305186D8Z	POLICY R&D PROGRAMS .....	6,262	6,262
225	0305199D8Z	NET CENTRICITY .....	16,780	16,780
227	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	6,286	6,286
230	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	2,970	2,970

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
233	0305327V	INSIDER THREAT .....	5,954	5,954
234	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM ....	2,198	2,198
240	0307577D8Z	INTELLIGENCE MISSION DATA (IMD) .....	6,889	6,889
242	0708012K	LOGISTICS SUPPORT ACTIVITIES .....	1,317	1,317
243	0708012S	PACIFIC DISASTER CENTERS .....	1,770	1,770
244	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM .....	1,805	1,805
246	1105219BB	MQ-9 UAV .....	18,403	18,403
248	1160403BB	AVIATION SYSTEMS .....	184,993	179,993
		Realignment of funds .....		[-5,000]
249	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT .....	10,625	10,625
250	1160408BB	OPERATIONAL ENHANCEMENTS .....	102,307	102,307
251	1160431BB	WARRIOR SYSTEMS .....	46,942	46,942
252	1160432BB	SPECIAL PROGRAMS .....	2,479	2,479
253	1160434BB	UNMANNED ISR .....	27,270	27,270
254	1160480BB	SOF TACTICAL VEHICLES .....	1,121	1,121
255	1160483BB	MARITIME SYSTEMS .....	42,471	42,471
256	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES .....	4,780	4,780
257	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	12,176	12,176
258	1203610K	TELEPORT PROGRAM .....	2,323	2,323
258A	999999999	CLASSIFIED PROGRAMS .....	3,877,898	3,887,898
		Classified increase .....		[10,000]
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT ...</b>	<b>4,973,946</b>	<b>4,988,946</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>22,016,553</b>	<b>22,471,474</b>
		<b>OPERATIONAL TEST &amp; EVAL, DEFENSE MANAGEMENT SUPPORT</b>		
001	0605118OTE	OPERATIONAL TEST AND EVALUATION .....	85,685	85,685
002	0605131OTE	LIVE FIRE TEST AND EVALUATION .....	64,332	64,332
003	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES .....	70,992	81,892
		Increase for test and evaluation technologies .....		[10,900]
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>221,009</b>	<b>231,909</b>
		<b>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE ....</b>	<b>221,009</b>	<b>231,909</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>91,056,950</b>	<b>91,727,403</b>

1 **SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 2 **TION FOR OVERSEAS CONTINGENCY OPER-**  
 3 **ATIONS.**

**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING .....	1,000	1,000
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV ..	1,500	1,500
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	3,000	3,000
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) .....	23,000	23,000
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>28,500</b>	<b>28,500</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
088	0604328A	TRACTOR CAGE .....	12,000	12,000
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	119,300	119,300
125	0605032A	TRACTOR TIRE .....	66,760	66,760
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCUM) .....	2,670	2,670
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	34,933	34,933
147	0303032A	TROJAN—RH12 .....	1,200	1,200
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>236,863</b>	<b>236,863</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	2,548	2,548
185	0607133A	TRACTOR SMOKE .....	7,780	7,780

**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM .....	2,000	2,000
209	0205402A	INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV .....	8,000	8,000
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	23,199	23,199
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	14,000	14,000
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	2,214	2,214
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>59,741</b>	<b>59,741</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>325,104</b>	<b>325,104</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
041	0603527N	RETRACT LARCH .....	18,000	18,000
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	13,900	13,900
074	0603795N	LAND ATTACK TECHNOLOGY .....	1,400	1,400
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>33,300</b>	<b>33,300</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	1,100	1,100
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>1,100</b>	<b>1,100</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	16,130	16,130
268A	9999999999	CLASSIFIED PROGRAMS .....	117,282	117,282
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>133,412</b>	<b>133,412</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY.</b>	<b>167,812</b>	<b>167,812</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
065	1206438F	SPACE CONTROL TECHNOLOGY .....	1,100	1,100
070	1206857F	OPERATIONALLY RESPONSIVE SPACE .....	12,395	12,395
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>13,495</b>	<b>13,495</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
186	0205219F	MQ-9 UAV .....	4,500	4,500
187	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE .....	4,000	4,000
188	0207131F	A-10 SQUADRONS .....	1,000	1,000
217	0207610F	BATTLEFIELD ABN COMM NODE (BACN) .....	42,349	42,349
228	0208288F	INTEL DATA APPLICATIONS .....	1,200	1,200
254	0305111F	WEATHER SERVICE .....	3,000	3,000
268	0305202F	DRAGON U-2 .....	22,100	22,100
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	29,500	29,500
310	1202247F	AF TENCAP .....	5,000	5,000
327A	9999999999	CLASSIFIED PROGRAMS .....	188,127	188,127
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>300,776</b>	<b>300,776</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF.</b>	<b>314,271</b>	<b>314,271</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	25,000	25,000
026	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION .....	13,648	13,648
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>38,648</b>	<b>38,648</b>
		<b>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>		
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING. JIDO program adjustment .....	242,668	158,507 [-84,161]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.</b>	<b>242,668</b>	<b>242,668</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
250	1160408BB	OPERATIONAL ENHANCEMENTS .....	3,632	3,632
251	1160431BB	WARRIOR SYSTEMS .....	11,040	11,040
253	1160434BB	UNMANNED ISR .....	11,700	11,700
254	1160480BB	SOF TACTICAL VEHICLES .....	725	725
258A	9999999999	CLASSIFIED PROGRAMS .....	192,131	192,131
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</b>	<b>219,228</b>	<b>219,228</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>500,544</b>	<b>416,383</b>

**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
<b>TOTAL RDT&amp;E</b>			<b>1,307,731</b>	<b>1,223,570</b>

1 **TITLE XLIII—OPERATION AND**  
2 **MAINTENANCE**

Sec. 4301. Operation and maintenance.

Sec. 4302. Operation and maintenance for overseas contingency operations.

3 **SEC. 4301. OPERATION AND MAINTENANCE.**

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
<b>OPERATION &amp; MAINTENANCE, ARMY</b>			
<b>OPERATING FORCES</b>			
010	MANEUVER UNITS	2,076,360	1,785,360
	Excess growth		[-15,000]
	Readiness restoration		[9,400]
	Realign OCO requirements from Base to OCO		[-285,400]
020	MODULAR SUPPORT BRIGADES	107,946	109,746
	Readiness restoration		[1,800]
030	ECHELONS ABOVE BRIGADE	732,485	740,085
	Readiness restoration		[7,600]
040	THEATER LEVEL ASSETS	1,169,508	1,187,808
	Readiness restoration		[18,300]
050	LAND FORCES OPERATIONS SUPPORT	1,180,460	1,197,960
	Readiness restoration		[17,500]
060	AVIATION ASSETS	1,467,500	1,435,300
	Readiness restoration		[17,800]
	Unjustified program growth		[-50,000]
070	FORCE READINESS OPERATIONS SUPPORT	4,285,211	4,285,211
080	LAND FORCES SYSTEMS READINESS	482,201	482,201
090	LAND FORCES DEPOT MAINTENANCE	1,536,851	1,476,751
	Readiness restoration		[111,200]
	Realign OCO requirements from Base to OCO		[-171,300]
100	BASE OPERATIONS SUPPORT	8,274,299	8,260,144
	Operation and Maintenance, Army DSMOA		[10,000]
	Unjustified growth		[-24,155]
110	FACILITIES SUSTAINMENT	3,516,859	2,472,978
	85% Sustainment		[175,469]
	Realignment of FSRM funds to new RM and Demo lines		[-1,219,350]
111	FACILITIES RESTORATION & MODERNIZATION		1,054,140
	Realignment of FSRM funds to new RM and Demo lines		[1,054,140]
112	FACILITIES DEMOLITION		215,210
	Program increase		[50,000]
	Realignment of FSRM funds to new RM and Demo lines		[165,210]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	438,733	438,733
180	US AFRICA COMMAND	231,518	231,518
190	US EUROPEAN COMMAND	150,268	150,268
200	US SOUTHERN COMMAND	195,964	210,264
	SOUTHCOM ABN GFE Sensor (GEOINT/SIGINT)		[4,200]
	SOUTHCOM Cyber HUMINT (CME/OPS)		[1,000]
	SOUTHCOM OSINT/PAI (CME/LIC/TOOLS)		[1,600]
	SOUTHCOM Overland Airborne ISR Flight Hours		[7,200]
	SOUTHCOM SIGINT Suite COMSAT RF		[300]
210	US FORCES KOREA	59,625	59,625
	<b>SUBTOTAL OPERATING FORCES</b>	<b>25,905,788</b>	<b>25,793,302</b>
<b>MOBILIZATION</b>			
220	STRATEGIC MOBILITY	370,941	370,941
230	ARMY PREPOSITIONED STOCKS	573,560	573,560

1800

<b>SEC. 4301. OPERATION AND MAINTENANCE</b>			
<b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
240	INDUSTRIAL PREPAREDNESS .....	7,678	7,678
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>952,179</b>	<b>952,179</b>
	<b>TRAINING AND RECRUITING</b>		
250	OFFICER ACQUISITION .....	135,832	135,832
260	RECRUIT TRAINING .....	54,819	54,819
270	ONE STATION UNIT TRAINING .....	69,599	69,599
280	SENIOR RESERVE OFFICERS TRAINING CORPS .....	518,998	518,998
290	SPECIALIZED SKILL TRAINING .....	1,020,073	1,007,073
	Program decrease unaccounted for .....		[-13,000]
300	FLIGHT TRAINING .....	1,082,190	1,082,190
310	PROFESSIONAL DEVELOPMENT EDUCATION .....	220,399	220,399
320	TRAINING SUPPORT .....	611,482	611,482
330	RECRUITING AND ADVERTISING .....	698,962	612,085
	Marketing Cuts .....		[-86,877]
340	EXAMINING .....	162,049	162,049
350	OFF-DUTY AND VOLUNTARY EDUCATION .....	215,622	215,622
360	CIVILIAN EDUCATION AND TRAINING .....	176,914	176,914
370	JUNIOR RESERVE OFFICER TRAINING CORPS .....	174,430	177,570
	Program increase .....		[3,140]
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>5,141,369</b>	<b>5,044,632</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>		
390	SERVICEWIDE TRANSPORTATION .....	588,047	588,047
400	CENTRAL SUPPLY ACTIVITIES .....	931,462	931,462
410	LOGISTIC SUPPORT ACTIVITIES .....	696,114	696,114
420	AMMUNITION MANAGEMENT .....	461,637	461,637
430	ADMINISTRATION .....	447,564	447,564
440	SERVICEWIDE COMMUNICATIONS .....	2,069,127	2,069,127
450	MANPOWER MANAGEMENT .....	261,021	261,021
460	OTHER PERSONNEL SUPPORT .....	379,541	379,541
470	OTHER SERVICE SUPPORT .....	1,699,767	1,687,767
	Program decrease unaccounted for .....		[-12,000]
480	ARMY CLAIMS ACTIVITIES .....	192,686	192,686
490	REAL ESTATE MANAGEMENT .....	240,917	240,917
500	FINANCIAL MANAGEMENT AND AUDIT READINESS .....	291,569	291,569
510	INTERNATIONAL MILITARY HEADQUARTERS .....	442,656	442,656
520	MISC. SUPPORT OF OTHER NATIONS .....	48,251	48,251
565	CLASSIFIED PROGRAMS .....	1,259,622	1,259,622
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>10,009,981</b>	<b>9,997,981</b>
	<b>UNDISTRIBUTED</b>		
570	UNDISTRIBUTED .....		-710,000
	Army misrepresentation of civilian pay budget request .....		[-100,000]
	Foreign Currency adjustments .....		[-137,000]
	Historical unobligated balances .....		[-473,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>		<b>-710,000</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY ....</b>	<b>42,009,317</b>	<b>41,078,094</b>
	<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>		
	<b>OPERATING FORCES</b>		
010	MODULAR SUPPORT BRIGADES .....	13,867	13,867
020	ECHELONS ABOVE BRIGADE .....	536,438	536,438
030	THEATER LEVEL ASSETS .....	113,225	113,225
040	LAND FORCES OPERATIONS SUPPORT .....	551,141	551,141
050	AVIATION ASSETS .....	89,073	89,073
060	FORCE READINESS OPERATIONS SUPPORT .....	409,531	409,531
070	LAND FORCES SYSTEMS READINESS .....	101,411	101,411
080	LAND FORCES DEPOT MAINTENANCE .....	60,114	60,114
090	BASE OPERATIONS SUPPORT .....	595,728	579,728
	Program decrease unaccounted for .....		[-16,000]
100	FACILITIES SUSTAINMENT .....	304,658	263,065
	Realignment of FSRM funds to new RM and Demo lines .....		[-71,593]
	Sustainment recovery .....		[30,000]
101	FACILITIES RESTORATION & MODERNIZATION .....		49,176
	Realignment of FSRM funds to new RM and Demo lines .....		[49,176]
102	FACILITIES DEMOLITION .....		22,417
	Realignment of FSRM funds to new RM and Demo lines .....		[22,417]
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	22,175	22,175

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<b>SEC. 4301. OPERATION AND MAINTENANCE</b>			
<b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>2,797,361</b>	<b>2,811,361</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
120	SERVICEWIDE TRANSPORTATION .....	11,832	11,832
130	ADMINISTRATION .....	18,218	18,218
140	SERVICEWIDE COMMUNICATIONS .....	25,069	25,069
150	MANPOWER MANAGEMENT .....	6,248	6,248
160	RECRUITING AND ADVERTISING .....	58,181	58,181
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>119,548</b>	<b>119,548</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</b> .....	<b>2,916,909</b>	<b>2,930,909</b>
	<b>OPERATION &amp; MAINTENANCE, ARNG OPERATING FORCES</b>		
010	MANEUVER UNITS .....	810,269	790,269
	Unjustified growth .....		[-20,000]
020	MODULAR SUPPORT BRIGADES .....	193,402	193,402
030	ECHELONS ABOVE BRIGADE .....	753,815	753,815
040	THEATER LEVEL ASSETS .....	84,124	84,124
050	LAND FORCES OPERATIONS SUPPORT .....	31,881	31,881
060	AVIATION ASSETS .....	973,874	973,874
070	FORCE READINESS OPERATIONS SUPPORT .....	784,086	784,086
080	LAND FORCES SYSTEMS READINESS .....	51,353	51,353
090	LAND FORCES DEPOT MAINTENANCE .....	221,633	221,633
100	BASE OPERATIONS SUPPORT .....	1,129,942	1,114,942
	Program decrease unaccounted for .....		[-15,000]
110	FACILITIES SUSTAINMENT .....	919,947	888,760
	Realignment of FSRM funds to new RM and Demo lines .....		[-101,187]
	Sustainment recovery .....		[70,000]
111	FACILITIES RESTORATION & MODERNIZATION .....		85,859
	Realignment of FSRM funds to new RM and Demo lines .....		[85,859]
112	FACILITIES DEMOLITION .....		15,328
	Realignment of FSRM funds to new RM and Demo lines .....		[15,328]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	1,010,524	1,010,524
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>6,964,850</b>	<b>6,999,850</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
130	SERVICEWIDE TRANSPORTATION .....	10,017	10,017
140	ADMINISTRATION .....	72,746	72,746
150	SERVICEWIDE COMMUNICATIONS .....	83,105	83,105
160	MANPOWER MANAGEMENT .....	10,678	10,678
170	OTHER PERSONNEL SUPPORT .....	254,753	254,753
180	REAL ESTATE MANAGEMENT .....	3,146	3,146
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>434,445</b>	<b>434,445</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG</b> ....	<b>7,399,295</b>	<b>7,434,295</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</b>		
010	MISSION AND OTHER FLIGHT OPERATIONS .....	5,372,399	5,327,478
	Unjustified growth .....		[-44,921]
020	FLEET AIR TRAINING .....	2,023,351	2,021,351
	Advanced skills management .....		[-2,000]
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES ....	56,225	56,225
040	AIR OPERATIONS AND SAFETY SUPPORT .....	156,081	156,081
050	AIR SYSTEMS SUPPORT .....	682,379	676,440
	Unjustified growth .....		[-5,939]
060	AIRCRAFT DEPOT MAINTENANCE .....	1,253,756	1,291,156
	Readiness restoration .....		[37,400]
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	66,649	66,649
080	AVIATION LOGISTICS .....	939,368	939,368
090	MISSION AND OTHER SHIP OPERATIONS .....	4,439,566	4,413,287
	Excess growth .....		[-26,279]
100	SHIP OPERATIONS SUPPORT & TRAINING .....	997,663	997,663
110	SHIP DEPOT MAINTENANCE .....	8,751,526	8,900,126
	Readiness restoration .....		[116,600]
	Western Pacific Dry Dock capability .....		[32,000]
120	SHIP DEPOT OPERATIONS SUPPORT .....	2,168,876	2,168,876
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE ..	1,349,593	1,326,293

<b>SEC. 4301. OPERATION AND MAINTENANCE</b>			
<b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
	Fiscal year 2018 decrease not properly accounted .....		[-25,000]
	SOUTHCOM CCO Sensor Integration .....		[1,700]
150	SPACE SYSTEMS AND SURVEILLANCE .....	215,255	215,255
160	WARFARE TACTICS .....	632,446	617,446
	Unjustified growth .....		[-15,000]
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	373,046	373,046
180	COMBAT SUPPORT FORCES .....	1,452,075	1,452,075
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT .....	153,719	153,719
210	COMBATANT COMMANDERS CORE OPERATIONS .....	63,039	63,039
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	89,339	89,339
230	MILITARY INFORMATION SUPPORT OPERATIONS .....	8,475	8,475
240	CYBERSPACE ACTIVITIES .....	424,088	424,088
260	FLEET BALLISTIC MISSILE .....	1,361,947	1,361,947
280	WEAPONS MAINTENANCE .....	823,952	823,952
290	OTHER WEAPON SYSTEMS SUPPORT .....	494,101	494,101
300	ENTERPRISE INFORMATION .....	921,936	876,936
	General reduction .....		[-45,000]
310	FACILITIES SUSTAINMENT .....	2,040,389	1,986,642
	FSRM to 100% max executable .....		[310,000]
	Realignment of FSRM funds to new RM and Demo lines .....		[-363,747]
311	FACILITIES RESTORATION & MODERNIZATION .....		243,745
	Realignment of FSRM funds to new RM and Demo lines .....		[243,745]
312	FACILITIES DEMOLITION .....		160,002
	Program increase .....		[40,000]
	Realignment of FSRM funds to new RM and Demo lines .....		[120,002]
320	BASE OPERATING SUPPORT .....	4,414,753	4,414,753
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>41,725,992</b>	<b>42,099,553</b>
<b>MOBILIZATION</b>			
330	SHIP PREPOSITIONING AND SURGE .....	549,142	549,142
340	READY RESERVE FORCE .....	310,805	310,805
360	SHIP ACTIVATIONS/INACTIVATIONS .....	161,150	161,150
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	120,338	120,338
390	COAST GUARD SUPPORT .....	24,097	24,097
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>1,165,532</b>	<b>1,165,532</b>
<b>TRAINING AND RECRUITING</b>			
400	OFFICER ACQUISITION .....	145,481	145,481
410	RECRUIT TRAINING .....	9,637	9,637
420	RESERVE OFFICERS TRAINING CORPS .....	149,687	149,687
430	SPECIALIZED SKILL TRAINING .....	879,557	793,557
	Ready, Relevant Learning funding ahead of need .....		[-86,000]
450	PROFESSIONAL DEVELOPMENT EDUCATION .....	184,436	186,136
	Naval Sea Cadets .....		[1,700]
460	TRAINING SUPPORT .....	223,159	223,159
470	RECRUITING AND ADVERTISING .....	181,086	181,086
480	OFF-DUTY AND VOLUNTARY EDUCATION .....	96,006	96,006
490	CIVILIAN EDUCATION AND TRAINING .....	72,083	72,083
500	JUNIOR ROTC .....	54,156	55,106
	Program increase .....		[950]
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>1,995,288</b>	<b>1,911,938</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
510	ADMINISTRATION .....	1,089,964	1,069,964
	Program decrease .....		[-20,000]
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT .....	164,074	164,074
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	418,350	418,350
580	SERVICEWIDE TRANSPORTATION .....	167,106	167,106
600	PLANNING, ENGINEERING, AND PROGRAM SUPPORT .....	333,556	333,556
610	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	663,690	663,690
650	INVESTIGATIVE AND SECURITY SERVICES .....	705,087	705,087
765	CLASSIFIED PROGRAMS .....	574,994	584,994
	Classified adjustment .....		[10,000]
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>4,116,821</b>	<b>4,106,821</b>
<b>UNDISTRIBUTED</b>			
770	UNDISTRIBUTED .....		-269,600
	Foreign Currency adjustments .....		[-35,900]
	Historical unobligated balances .....		[-233,700]

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
	<b>SUBTOTAL UNDISTRIBUTED</b> .....		<b>-269,600</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY</b> ....	<b>49,003,633</b>	<b>49,014,244</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS</b>		
	<b>OPERATING FORCES</b>		
010	OPERATIONAL FORCES .....	873,320	883,235
	Additional parts & spares to support intermediate & organiza- tional maintenance .....		[8,200]
	Additional training requirements .....		[4,200]
	Unjustified growth .....		[-2,485]
020	FIELD LOGISTICS .....	1,094,187	1,094,187
030	DEPOT MAINTENANCE .....	314,182	341,082
	Readiness restoration .....		[26,900]
040	MARITIME PREPOSITIONING .....	98,136	98,136
050	CYBERSPACE ACTIVITIES .....	183,546	183,546
060	FACILITIES SUSTAINMENT .....	832,636	736,354
	85% Sustainment .....		[42,400]
	Realignment of FSRM funds to new RM and Demo lines .....		[-138,682]
061	FACILITIES RESTORATION & MODERNIZATION .....		61,469
	Realignment of FSRM funds to new RM and Demo lines .....		[61,469]
062	FACILITIES DEMOLITION .....		107,213
	Program increase .....		[30,000]
	Realignment of FSRM funds to new RM and Demo lines .....		[77,213]
070	BASE OPERATING SUPPORT .....	2,151,390	2,116,390
	Program decrease unaccounted for .....		[-35,000]
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>5,547,397</b>	<b>5,621,612</b>
	<b>TRAINING AND RECRUITING</b>		
080	RECRUIT TRAINING .....	16,453	16,453
090	OFFICER ACQUISITION .....	1,144	1,144
100	SPECIALIZED SKILL TRAINING .....	106,360	106,360
110	PROFESSIONAL DEVELOPMENT EDUCATION .....	46,096	46,096
120	TRAINING SUPPORT .....	389,751	389,751
130	RECRUITING AND ADVERTISING .....	201,662	201,662
140	OFF-DUTY AND VOLUNTARY EDUCATION .....	32,461	32,461
150	JUNIOR ROTC .....	24,217	24,607
	Program increase .....		[390]
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>818,144</b>	<b>818,534</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
160	SERVICEWIDE TRANSPORTATION .....	29,735	29,735
170	ADMINISTRATION .....	386,375	376,375
	Fiscal year 2018 decrease not properly accounted .....		[-10,000]
225	CLASSIFIED PROGRAMS .....	50,859	50,859
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>466,969</b>	<b>456,969</b>
	<b>UNDISTRIBUTED</b>		
230	UNDISTRIBUTED .....		-29,400
	Foreign Currency adjustments .....		[-8,900]
	Historical unobligated balances .....		[-20,500]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....		<b>-29,400</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS</b> .....	<b>6,832,510</b>	<b>6,867,715</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES OPERATING FORCES</b>		
010	MISSION AND OTHER FLIGHT OPERATIONS .....	569,584	569,584
020	INTERMEDIATE MAINTENANCE .....	6,902	6,902
030	AIRCRAFT DEPOT MAINTENANCE .....	109,776	109,776
040	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	538	538
050	AVIATION LOGISTICS .....	18,888	18,888
060	SHIP OPERATIONS SUPPORT & TRAINING .....	574	574
070	COMBAT COMMUNICATIONS .....	17,561	17,561
080	COMBAT SUPPORT FORCES .....	121,070	119,030
	Insufficient budget justification .....		[-2,040]
090	CYBERSPACE ACTIVITIES .....	337	337
100	ENTERPRISE INFORMATION .....	23,964	23,964
110	FACILITIES SUSTAINMENT .....	36,356	41,151

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
	Realignment of FSRM funds to new RM and Demo lines .....		[-5,205]
	Sustainment recovery .....		[10,000]
111	FACILITIES RESTORATION & MODERNIZATION .....		3,205
	Realignment of FSRM funds to new RM and Demo lines .....		[3,205]
112	FACILITIES DEMOLITION .....		2,000
	Realignment of FSRM funds to new RM and Demo lines .....		[2,000]
120	BASE OPERATING SUPPORT .....	103,562	103,562
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>1,009,112</b>	<b>1,017,072</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
130	ADMINISTRATION .....	1,868	1,868
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT ....	12,849	12,849
160	ACQUISITION AND PROGRAM MANAGEMENT .....	3,177	3,177
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>17,894</b>	<b>17,894</b>
<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</b> .....		<b>1,027,006</b>	<b>1,034,966</b>
<b>OPERATION &amp; MAINTENANCE, MC RESERVE OPERATING FORCES</b>			
010	OPERATING FORCES .....	99,173	101,173
	Additional training requirements .....		[2,000]
020	DEPOT MAINTENANCE .....	19,430	19,430
030	FACILITIES SUSTAINMENT .....	39,962	25,666
	Realignment of FSRM funds to new RM and Demo lines .....		[-22,296]
	Sustainment recovery .....		[8,000]
031	FACILITIES RESTORATION & MODERNIZATION .....		22,296
	Realignment of FSRM funds to new RM and Demo lines .....		[22,296]
040	BASE OPERATING SUPPORT .....	101,829	101,829
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>260,394</b>	<b>270,394</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
050	ADMINISTRATION .....	11,176	11,176
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>11,176</b>	<b>11,176</b>
<b>TOTAL OPERATION &amp; MAINTENANCE, MC RE- SERVE</b> .....		<b>271,570</b>	<b>281,570</b>
<b>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</b>			
010	PRIMARY COMBAT FORCES .....	758,178	783,178
	Increase for F-35 sustainment to accelerate depot component re- pair capability .....		[25,000]
020	COMBAT ENHANCEMENT FORCES .....	1,509,027	1,227,027
	Programming error—BACN .....		[-282,000]
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) .....	1,323,330	1,323,330
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	3,511,830	3,583,170
	Fiscal year 2018 decrease not properly accounted .....		[-13,160]
	Readiness restoration .....		[46,500]
	Restoration of U-2 Tail #80-1099 .....		[38,000]
050	FACILITIES SUSTAINMENT .....	2,892,705	2,598,824
	85% Sustainment .....		[152,000]
	Realignment of FSRM funds to new RM and Demo lines .....		[-445,881]
051	FACILITIES RESTORATION & MODERNIZATION .....		420,861
	Realignment of FSRM funds to new RM and Demo lines .....		[420,861]
052	FACILITIES DEMOLITION .....		67,020
	Program increase .....		[42,000]
	Realignment of FSRM funds to new RM and Demo lines .....		[25,020]
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	7,613,084	7,993,784
	Increase for JSTARS buy-back .....		[95,900]
	Readiness restoration .....		[74,800]
	Unjustified growth .....		[-90,000]
	WSS to 100% executable .....		[300,000]
070	FLYING HOUR PROGRAM .....	4,345,208	4,242,799
	Increase for JSTARS buy-back .....		[50,000]
	Unjustified growth .....		[-152,409]
080	BASE SUPPORT .....	5,989,215	5,989,215
090	GLOBAL C3I AND EARLY WARNING .....	928,023	928,023
100	OTHER COMBAT OPS SPT PROGRAMS .....	1,080,956	1,080,956
110	CYBERSPACE ACTIVITIES .....	879,032	813,032

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SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
	Air Force requested transfer to SAG 42B .....		[-66,000]
130	LAUNCH FACILITIES .....	183,777	183,777
140	SPACE CONTROL SYSTEMS .....	404,072	404,072
170	US NORTHCOM/NORAD .....	187,375	187,375
180	US STRATCOM .....	529,902	529,902
190	US CYBERCOM .....	329,474	329,474
200	US CENTCOM .....	166,024	166,024
210	US SOCOM .....	723	723
220	US TRANSCOM .....	535	535
225	CLASSIFIED PROGRAMS .....	1,164,810	1,164,810
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>33,797,280</b>	<b>34,017,911</b>
<b>MOBILIZATION</b>			
230	AIRLIFT OPERATIONS .....	1,307,695	1,242,695
	Fiscal year 2018 decrease not properly accounted .....		[-65,000]
240	MOBILIZATION PREPAREDNESS .....	144,417	144,417
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>1,452,112</b>	<b>1,387,112</b>
<b>TRAINING AND RECRUITING</b>			
280	OFFICER ACQUISITION .....	133,187	133,187
290	RECRUIT TRAINING .....	25,041	25,041
300	RESERVE OFFICERS TRAINING CORPS (ROTC) .....	117,338	117,338
330	SPECIALIZED SKILL TRAINING .....	401,996	401,996
340	FLIGHT TRAINING .....	477,064	477,064
350	PROFESSIONAL DEVELOPMENT EDUCATION .....	276,423	276,423
360	TRAINING SUPPORT .....	95,948	95,948
380	RECRUITING AND ADVERTISING .....	154,530	154,530
390	EXAMINING .....	4,132	4,132
400	OFF-DUTY AND VOLUNTARY EDUCATION .....	223,150	223,150
410	CIVILIAN EDUCATION AND TRAINING .....	209,497	209,497
420	JUNIOR ROTC .....	59,908	60,908
	Program increase .....		[1,000]
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>2,178,214</b>	<b>2,179,214</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
430	LOGISTICS OPERATIONS .....	681,788	681,788
440	TECHNICAL SUPPORT ACTIVITIES .....	117,812	117,812
480	ADMINISTRATION .....	953,102	933,102
	Unjustified growth .....		[-20,000]
490	SERVICEWIDE COMMUNICATIONS .....	358,389	424,389
	Air Force requested transfer from SAG 12D .....		[66,000]
500	OTHER SERVICEWIDE ACTIVITIES .....	1,194,862	1,194,862
510	CIVIL AIR PATROL .....	29,594	29,594
540	INTERNATIONAL SUPPORT .....	74,959	74,959
545	CLASSIFIED PROGRAMS .....	1,222,456	1,222,456
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>4,632,962</b>	<b>4,678,962</b>
<b>UNDISTRIBUTED</b>			
550	UNDISTRIBUTED .....		-164,600
	Foreign Currency adjustments .....		[-68,000]
	Historical unobligated balances .....		[-239,000]
	Procurement of 7 DABs for PACOM .....		[142,400]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....		<b>-164,600</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</b> .....	<b>42,060,568</b>	<b>42,098,599</b>
<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>			
010	PRIMARY COMBAT FORCES .....	1,853,437	1,838,437
	Unjustified growth .....		[-15,000]
020	MISSION SUPPORT OPERATIONS .....	205,369	205,369
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	345,576	347,476
	Readiness restoration .....		[1,900]
040	FACILITIES SUSTAINMENT .....	120,736	111,903
	Additional demo .....		[2,800]
	Realignment of FSRM funds to new RM and Demo lines .....		[-27,633]
	Sustainment recovery .....		[16,000]
041	FACILITIES RESTORATION & MODERNIZATION .....		27,633
	Realignment of FSRM funds to new RM and Demo lines .....		[27,633]

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SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	241,239	293,239
	Readiness restoration .....		[52,000]
060	BASE SUPPORT .....	385,922	385,922
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>3,152,279</b>	<b>3,209,979</b>
<b>ADMINISTRATION AND SERVICEWIDE ACTIVITIES</b>			
070	ADMINISTRATION .....	71,188	71,188
080	RECRUITING AND ADVERTISING .....	19,429	19,429
090	MILITARY MANPOWER AND PERS MGMT (ARPC) .....	9,386	9,386
100	OTHER PERS SUPPORT (DISABILITY COMP) .....	7,512	7,512
110	AUDIOVISUAL .....	440	440
	<b>SUBTOTAL ADMINISTRATION AND     SERVICEWIDE ACTIVITIES</b> .....	<b>107,955</b>	<b>107,955</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RE-     SERVE</b> .....	<b>3,260,234</b>	<b>3,317,934</b>
<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>			
010	AIRCRAFT OPERATIONS .....	2,619,940	2,581,540
	Restoring O&M associated with buyback of 3 PMAI JSTARS aircraft .....		[1,600]
	Unjustified program growth .....		[-40,000]
020	MISSION SUPPORT OPERATIONS .....	623,265	623,265
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	748,287	748,287
040	FACILITIES SUSTAINMENT .....	303,792	289,700
	Realignment of FSRM funds to new RM and Demo lines .....		[-34,092]
	Sustainment recovery .....		[20,000]
041	FACILITIES RESTORATION & MODERNIZATION .....		31,696
	Realignment of FSRM funds to new RM and Demo lines .....		[31,696]
042	FACILITIES DEMOLITION .....		2,396
	Realignment of FSRM funds to new RM and Demo lines .....		[2,396]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,061,759	1,064,759
	Readiness restoration .....		[3,000]
060	BASE SUPPORT .....	988,333	1,000,233
	PFAS Transfer .....		[11,000]
	Readiness restoration .....		[900]
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>6,345,376</b>	<b>6,341,876</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
070	ADMINISTRATION .....	45,711	45,711
080	RECRUITING AND ADVERTISING .....	36,535	36,535
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-     WIDE ACTIVITIES</b> .....	<b>82,246</b>	<b>82,246</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG</b> .....	<b>6,427,622</b>	<b>6,424,122</b>
<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>			
010	JOINT CHIEFS OF STAFF .....	430,215	432,715
	Operational logistics exercise elements .....		[2,500]
020	JOINT CHIEFS OF STAFF—CE2T2 .....	602,186	602,186
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES .....	5,389,250	5,312,200
	Civilian pay ahead of need .....		[-10,700]
	Program decrease .....		[-66,350]
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>6,421,651</b>	<b>6,347,101</b>
<b>TRAINING AND RECRUITING</b>			
050	DEFENSE ACQUISITION UNIVERSITY .....	181,601	181,601
060	JOINT CHIEFS OF STAFF .....	96,565	96,565
070	SPECIAL OPERATIONS COMMAND/TRAINING AND RE- CRUITING .....	370,583	370,583
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>648,749</b>	<b>648,749</b>
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
080	CIVIL MILITARY PROGRAMS .....	166,131	181,131
	STARBASE .....		[15,000]
100	DEFENSE CONTRACT AUDIT AGENCY .....	625,633	625,633
110	DEFENSE CONTRACT MANAGEMENT AGENCY .....	1,465,354	1,465,354
120	DEFENSE HUMAN RESOURCES ACTIVITY .....	859,923	859,923

<b>SEC. 4301. OPERATION AND MAINTENANCE</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
130	DEFENSE INFORMATION SYSTEMS AGENCY .....	2,106,930	2,104,995
	Excess growth .....		[-1,935]
150	DEFENSE LEGAL SERVICES AGENCY .....	27,403	27,403
160	DEFENSE LOGISTICS AGENCY .....	379,275	387,775
	Procurement Technical Assistance Program (PTAP) .....		[8,500]
170	DEFENSE MEDIA ACTIVITY .....	207,537	207,537
180	DEFENSE PERSONNEL ACCOUNTING AGENCY .....	130,696	130,696
190	DEFENSE SECURITY COOPERATION AGENCY .....	754,711	686,744
	Program reduction—maintain level of effort .....		[-67,967]
200	DEFENSE SECURITY SERVICE .....	789,175	779,175
	Program excess growth .....		[-10,000]
220	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION .....	34,951	34,951
230	DEFENSE THREAT REDUCTION AGENCY .....	553,329	553,329
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	2,892,284	2,942,284
	Impact Aid for Children with Severe Disabilities .....		[10,000]
	Impact aid for schools with military dependent students .....		[40,000]
260	MISSILE DEFENSE AGENCY .....	499,817	499,817
280	OFFICE OF ECONOMIC ADJUSTMENT .....	70,035	70,035
290	OFFICE OF THE SECRETARY OF DEFENSE .....	1,519,655	1,587,655
	Commission on Aircraft Safety .....		[5,000]
	Cyber Commission .....		[4,000]
	CDC PFOS/PFOA Health Study Increment .....		[10,000]
	Clearinghouse .....		[1,000]
	Defense Environmental International Cooperations (DEIC) .....		[1,000]
	Defense Fellows Program .....		[10,000]
	DOD emerging contaminants .....		[1,000]
	DOD environmental resilience .....		[1,000]
	DW Vietnam dioxin remediation .....		[15,000]
	Establish Artificial Intelligence commission .....		[10,000]
	Readiness and Environmental Protection Initiative Increase .....		[10,000]
300	SPECIAL OPERATIONS COMMAND/ADMIN & SVC-WIDE AC- TIVITIES .....	97,787	97,787
310	WASHINGTON HEADQUARTERS SERVICES .....	456,407	456,407
315	CLASSIFIED PROGRAMS .....	15,645,192	15,645,192
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</b> .....	<b>29,282,225</b>	<b>29,343,823</b>
	<b>UNDISTRIBUTED</b>		
320	UNDISTRIBUTED .....		-279,800
	Foreign Currency adjustments .....		[-17,200]
	Historical unobligated balances .....		[-262,600]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....		<b>-279,800</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DE- FENSE-WIDE</b> .....	<b>36,352,625</b>	<b>36,059,873</b>
	<b>US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVITIES</b>		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DE- FENSE .....	14,662	14,662
	<b>SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES</b> .....	<b>14,662</b>	<b>14,662</b>
	<b>TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF</b> .....	<b>14,662</b>	<b>14,662</b>
	<b>DOD ACQUISITION WORKFORCE DEVELOPMENT FUND</b>		
	<b>ACQUISITION WORKFORCE DEVELOPMENT</b>		
010	ACQ WORKFORCE DEV FD .....	400,000	400,000
	<b>SUBTOTAL ACQUISITION WORKFORCE DEVEL- OPMENT</b> .....	<b>400,000</b>	<b>400,000</b>
	<b>TOTAL DOD ACQUISITION WORKFORCE DE- VELOPMENT FUND</b> .....	<b>400,000</b>	<b>400,000</b>
	<b>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</b>		
	<b>HUMANITARIAN ASSISTANCE</b>		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID .....	107,663	107,663
	<b>SUBTOTAL HUMANITARIAN ASSISTANCE</b> .....	<b>107,663</b>	<b>107,663</b>

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
	<b>TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID .....</b>	<b>107,663</b>	<b>107,663</b>
	<b>COOPERATIVE THREAT REDUCTION ACCOUNT</b>		
	<b>FSU THREAT REDUCTION</b>		
010	FORMER SOVIET UNION (FSU) THREAT REDUCTION .....	335,240	335,240
	<b>SUBTOTAL FSU THREAT REDUCTION .....</b>	<b>335,240</b>	<b>335,240</b>
	<b>TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT .....</b>	<b>335,240</b>	<b>335,240</b>
	<b>ENVIRONMENTAL RESTORATION, ARMY DEPARTMENT OF THE ARMY</b>		
060	ENVIRONMENTAL RESTORATION, ARMY .....	203,449	213,449
	PFOS/PFOA remediation increase .....		[10,000]
	<b>SUBTOTAL DEPARTMENT OF THE ARMY .....</b>	<b>203,449</b>	<b>213,449</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, ARMY .....</b>	<b>203,449</b>	<b>213,449</b>
	<b>ENVIRONMENTAL RESTORATION, NAVY DEPARTMENT OF THE NAVY</b>		
080	ENVIRONMENTAL RESTORATION, NAVY .....	329,253	339,253
	PFOS/PFOA remediation increase .....		[10,000]
	<b>SUBTOTAL DEPARTMENT OF THE NAVY .....</b>	<b>329,253</b>	<b>339,253</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, NAVY .....</b>	<b>329,253</b>	<b>339,253</b>
	<b>ENVIRONMENTAL RESTORATION, AIR FORCE DEPARTMENT OF THE AIR FORCE</b>		
100	ENVIRONMENTAL RESTORATION, AIR FORCE .....	296,808	335,808
	PFOS/PFOA remediation increase .....		[50,000]
	PFOS/PFOA remediation to ANG .....		[-11,000]
	<b>SUBTOTAL DEPARTMENT OF THE AIR FORCE .....</b>	<b>296,808</b>	<b>335,808</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE .....</b>	<b>296,808</b>	<b>335,808</b>
	<b>ENVIRONMENTAL RESTORATION, DEFENSE DEFENSE-WIDE</b>		
120	ENVIRONMENTAL RESTORATION, DEFENSE .....	8,926	8,926
	<b>SUBTOTAL DEFENSE-WIDE .....</b>	<b>8,926</b>	<b>8,926</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, DE- FENSE .....</b>	<b>8,926</b>	<b>8,926</b>
	<b>ENVIRONMENTAL RESTORATION FORMERLY USED SITES DEFENSE-WIDE</b>		
140	ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....	212,346	212,346
	<b>SUBTOTAL DEFENSE-WIDE .....</b>	<b>212,346</b>	<b>212,346</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION FOR- MERLY USED SITES .....</b>	<b>212,346</b>	<b>212,346</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>199,469,636</b>	<b>198,509,668</b>

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## 1 SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS

## 2 CONTINGENCY OPERATIONS.

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>OPERATION &amp; MAINTENANCE, ARMY</b>			
<b>OPERATING FORCES</b>			
010	MANEUVER UNITS .....	1,179,339	1,464,739
	Realign OCO requirements from Base to OCO .....		[285,400]
030	ECHELONS ABOVE BRIGADE .....	25,983	25,983
040	THEATER LEVEL ASSETS .....	2,189,916	2,189,916
050	LAND FORCES OPERATIONS SUPPORT .....	188,609	188,609
060	AVIATION ASSETS .....	120,787	120,787
070	FORCE READINESS OPERATIONS SUPPORT .....	3,867,286	3,867,286
080	LAND FORCES SYSTEMS READINESS .....	550,068	550,068
090	LAND FORCES DEPOT MAINTENANCE .....	195,873	367,173
	Realign OCO requirements from Base to OCO .....		[171,300]
100	BASE OPERATIONS SUPPORT .....	109,560	109,560
110	FACILITIES SUSTAINMENT .....	60,807	60,807
140	ADDITIONAL ACTIVITIES .....	5,992,222	5,992,222
150	COMMANDERS EMERGENCY RESPONSE PROGRAM .....	10,000	10,000
160	RESET .....	1,036,454	1,036,454
180	US AFRICA COMMAND .....	248,796	248,796
190	US EUROPEAN COMMAND .....	98,127	98,127
200	US SOUTHERN COMMAND .....	2,550	2,550
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>15,876,377</b>	<b>16,333,077</b>
<b>MOBILIZATION</b>			
230	ARMY PREPOSITIONED STOCKS .....	158,753	158,753
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>158,753</b>	<b>158,753</b>
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
390	SERVICEWIDE TRANSPORTATION .....	712,230	712,230
400	CENTRAL SUPPLY ACTIVITIES .....	44,168	44,168
410	LOGISTIC SUPPORT ACTIVITIES .....	5,300	5,300
420	AMMUNITION MANAGEMENT .....	38,597	38,597
460	OTHER PERSONNEL SUPPORT .....	109,019	109,019
490	REAL ESTATE MANAGEMENT .....	191,786	191,786
565	CLASSIFIED PROGRAMS .....	1,074,270	1,074,270
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>2,175,370</b>	<b>2,175,370</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>18,210,500</b>	<b>18,667,200</b>
<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>			
<b>OPERATING FORCES</b>			
020	ECHELONS ABOVE BRIGADE .....	20,700	20,700
060	FORCE READINESS OPERATIONS SUPPORT .....	700	700
090	BASE OPERATIONS SUPPORT .....	20,487	20,487
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>41,887</b>	<b>41,887</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES .....</b>	<b>41,887</b>	<b>41,887</b>
<b>OPERATION &amp; MAINTENANCE, ARNG</b>			
<b>OPERATING FORCES</b>			
010	MANEUVER UNITS .....	42,519	42,519
020	MODULAR SUPPORT BRIGADES .....	778	778
030	ECHELONS ABOVE BRIGADE .....	12,093	12,093
040	THEATER LEVEL ASSETS .....	708	708
060	AVIATION ASSETS .....	28,135	28,135
070	FORCE READINESS OPERATIONS SUPPORT .....	5,908	5,908
100	BASE OPERATIONS SUPPORT .....	18,877	18,877
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	956	956
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>109,974</b>	<b>109,974</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
150	SERVICEWIDE COMMUNICATIONS .....	755	755
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>755</b>	<b>755</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>110,729</b>	<b>110,729</b>

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
<b>AFGHAN NATIONAL ARMY</b>			
090	SUSTAINMENT .....	1,522,777	1,522,777
100	INFRASTRUCTURE .....	137,732	137,732
110	EQUIPMENT AND TRANSPORTATION .....	71,922	71,922
120	TRAINING AND OPERATIONS .....	175,846	175,846
	<b>SUBTOTAL AFGHAN NATIONAL ARMY .....</b>	<b>1,908,277</b>	<b>1,908,277</b>
<b>AFGHAN NATIONAL POLICE</b>			
130	SUSTAINMENT .....	527,554	527,554
140	INFRASTRUCTURE .....	42,984	42,984
150	EQUIPMENT AND TRANSPORTATION .....	14,554	14,554
160	TRAINING AND OPERATIONS .....	181,922	181,922
	<b>SUBTOTAL AFGHAN NATIONAL POLICE .....</b>	<b>767,014</b>	<b>767,014</b>
<b>AFGHAN AIR FORCE</b>			
170	SUSTAINMENT .....	942,279	942,279
180	INFRASTRUCTURE .....	30,350	30,350
190	EQUIPMENT AND TRANSPORTATION .....	572,310	572,310
200	TRAINING AND OPERATIONS .....	277,191	277,191
	<b>SUBTOTAL AFGHAN AIR FORCE .....</b>	<b>1,822,130</b>	<b>1,822,130</b>
<b>AFGHAN SPECIAL SECURITY FORCES</b>			
210	SUSTAINMENT .....	353,734	353,734
220	INFRASTRUCTURE .....	43,132	43,132
230	EQUIPMENT AND TRANSPORTATION .....	151,790	151,790
240	TRAINING AND OPERATIONS .....	153,373	153,373
	<b>SUBTOTAL AFGHAN SPECIAL SECURITY FORCES .....</b>	<b>702,029</b>	<b>702,029</b>
	<b>TOTAL AFGHANISTAN SECURITY FORCES FUND .....</b>	<b>5,199,450</b>	<b>5,199,450</b>
<b>COUNTER-ISIS TRAIN AND EQUIP FUND</b>			
<b>COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)</b>			
010	IRAQ .....	850,000	850,000
020	SYRIA .....	300,000	300,000
030	OTHER .....	250,000	250,000
	<b>SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>1,400,000</b>	<b>1,400,000</b>
	<b>TOTAL COUNTER-ISIS TRAIN AND EQUIP FUND .....</b>	<b>1,400,000</b>	<b>1,400,000</b>
<b>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</b>			
010	MISSION AND OTHER FLIGHT OPERATIONS .....	435,507	435,507
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES .....	800	800
040	AIR OPERATIONS AND SAFETY SUPPORT .....	9,394	9,394
050	AIR SYSTEMS SUPPORT .....	193,384	193,384
060	AIRCRAFT DEPOT MAINTENANCE .....	173,053	173,053
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	3,524	3,524
080	AVIATION LOGISTICS .....	60,219	60,219
090	MISSION AND OTHER SHIP OPERATIONS .....	942,960	942,960
100	SHIP OPERATIONS SUPPORT & TRAINING .....	20,236	20,236
110	SHIP DEPOT MAINTENANCE .....	1,022,647	1,022,647
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	59,553	59,553
160	WARFARE TACTICS .....	16,651	16,651
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	31,118	31,118
180	COMBAT SUPPORT FORCES .....	635,560	635,560
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUP- PORT .....	4,334	4,334
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	24,800	24,800
240	CYBERSPACE ACTIVITIES .....	355	355
280	WEAPONS MAINTENANCE .....	493,033	493,033
290	OTHER WEAPON SYSTEMS SUPPORT .....	12,780	12,780
310	FACILITIES SUSTAINMENT .....	67,321	67,321
320	BASE OPERATING SUPPORT .....	211,394	211,394
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>4,418,623</b>	<b>4,418,623</b>
<b>MOBILIZATION</b>			
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	12,902	12,902
390	COAST GUARD SUPPORT .....	165,000	165,000

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SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>177,902</b>	<b>177,902</b>
	<b>TRAINING AND RECRUITING</b>		
430	SPECIALIZED SKILL TRAINING .....	51,138	51,138
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>51,138</b>	<b>51,138</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
510	ADMINISTRATION .....	4,145	4,145
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	7,503	7,503
580	SERVICEWIDE TRANSPORTATION .....	69,297	69,297
610	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	10,912	10,912
650	INVESTIGATIVE AND SECURITY SERVICES .....	1,559	1,559
765	CLASSIFIED PROGRAMS .....	16,076	16,076
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>109,492</b>	<b>109,492</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY</b> .....	<b>4,757,155</b>	<b>4,757,155</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS</b>		
	<b>OPERATING FORCES</b>		
010	OPERATIONAL FORCES .....	734,505	734,505
020	FIELD LOGISTICS .....	212,691	212,691
030	DEPOT MAINTENANCE .....	53,040	53,040
070	BASE OPERATING SUPPORT .....	23,047	23,047
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>1,023,283</b>	<b>1,023,283</b>
	<b>TRAINING AND RECRUITING</b>		
120	TRAINING SUPPORT .....	30,459	30,459
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>30,459</b>	<b>30,459</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
160	SERVICEWIDE TRANSPORTATION .....	61,400	61,400
170	ADMINISTRATION .....	2,108	2,108
225	CLASSIFIED PROGRAMS .....	4,650	4,650
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>68,158</b>	<b>68,158</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS</b> .....	<b>1,121,900</b>	<b>1,121,900</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES</b>		
	<b>OPERATING FORCES</b>		
020	INTERMEDIATE MAINTENANCE .....	500	500
030	AIRCRAFT DEPOT MAINTENANCE .....	11,400	11,400
080	COMBAT SUPPORT FORCES .....	13,737	13,737
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>25,637</b>	<b>25,637</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES</b>	<b>25,637</b>	<b>25,637</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE</b>		
	<b>OPERATING FORCES</b>		
010	OPERATING FORCES .....	2,550	2,550
040	BASE OPERATING SUPPORT .....	795	795
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>3,345</b>	<b>3,345</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE</b> .....	<b>3,345</b>	<b>3,345</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE</b>		
	<b>OPERATING FORCES</b>		
010	PRIMARY COMBAT FORCES .....	166,274	166,274
020	COMBAT ENHANCEMENT FORCES .....	1,492,580	1,492,580
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) .....	110,237	110,237
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	209,996	209,996
050	FACILITIES SUSTAINMENT .....	92,412	92,412
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT ..	1,289,693	1,289,693
070	FLYING HOUR PROGRAM .....	2,355,264	2,355,264
080	BASE SUPPORT .....	1,141,718	1,141,718
090	GLOBAL C3I AND EARLY WARNING .....	13,537	13,537
100	OTHER COMBAT OPS SPT PROGRAMS .....	224,713	224,713
110	CYBERSPACE ACTIVITIES .....	17,353	17,353
120	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES .....	36,098	36,098

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SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
130	LAUNCH FACILITIES .....	385	385
140	SPACE CONTROL SYSTEMS .....	38,966	38,966
170	US NORTHCOM/NORAD .....	725	725
180	US STRATCOM .....	2,056	2,056
190	US CYBERCOM .....	35,189	35,189
200	US CENTCOM .....	162,691	162,691
210	US SOCOM .....	19,000	19,000
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,408,887</b>	<b>7,408,887</b>
<b>MOBILIZATION</b>			
230	AIRLIFT OPERATIONS .....	1,287,659	1,287,659
240	MOBILIZATION PREPAREDNESS .....	107,064	107,064
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,394,723</b>	<b>1,394,723</b>
<b>TRAINING AND RECRUITING</b>			
280	OFFICER ACQUISITION .....	300	300
290	RECRUIT TRAINING .....	340	340
330	SPECIALIZED SKILL TRAINING .....	25,327	25,327
340	FLIGHT TRAINING .....	844	844
350	PROFESSIONAL DEVELOPMENT EDUCATION .....	1,199	1,199
360	TRAINING SUPPORT .....	1,320	1,320
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>29,330</b>	<b>29,330</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
430	LOGISTICS OPERATIONS .....	154,485	154,485
440	TECHNICAL SUPPORT ACTIVITIES .....	13,608	13,608
480	ADMINISTRATION .....	4,814	4,814
490	SERVICEWIDE COMMUNICATIONS .....	131,123	131,123
500	OTHER SERVICEWIDE ACTIVITIES .....	97,471	97,471
540	INTERNATIONAL SUPPORT .....	240	240
545	CLASSIFIED PROGRAMS .....	51,108	51,108
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>452,849</b>	<b>452,849</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE .....</b>	<b>9,285,789</b>	<b>9,285,789</b>
<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>			
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	51,000	51,000
060	BASE SUPPORT .....	9,500	9,500
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>60,500</b>	<b>60,500</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RE- SERVE .....</b>	<b>60,500</b>	<b>60,500</b>
<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>			
020	MISSION SUPPORT OPERATIONS .....	3,560	3,560
060	BASE SUPPORT .....	12,310	12,310
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>15,870</b>	<b>15,870</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG .....</b>	<b>15,870</b>	<b>15,870</b>
<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>			
010	JOINT CHIEFS OF STAFF .....	28,671	28,671
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES .....	3,733,161	3,733,161
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,761,832</b>	<b>3,761,832</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
100	DEFENSE CONTRACT AUDIT AGENCY .....	1,781	1,781
110	DEFENSE CONTRACT MANAGEMENT AGENCY .....	21,723	21,723
130	DEFENSE INFORMATION SYSTEMS AGENCY .....	111,702	111,702
150	DEFENSE LEGAL SERVICES AGENCY .....	127,023	127,023
170	DEFENSE MEDIA ACTIVITY .....	14,377	14,377
190	DEFENSE SECURITY COOPERATION AGENCY .....	2,208,442	1,458,442
	Coalition Support Funds .....		[-550,000]
	Transfer of funds to Ukraine Security Assistance fund .....		[-200,000]
230	DEFENSE THREAT REDUCTION AGENCY .....	302,250	302,250
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	31,620	31,620

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2019 Request	Conference Authorized
290	OFFICE OF THE SECRETARY OF DEFENSE .....	16,579	16,579
310	WASHINGTON HEADQUARTERS SERVICES .....	7,766	7,766
315	CLASSIFIED PROGRAMS .....	1,944,813	1,944,813
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>4,788,076</b>	<b>4,038,076</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DE- FENSE-WIDE .....</b>	<b>8,549,908</b>	<b>7,799,908</b>
	<b>UKRAINE SECURITY ASSISTANCE</b>		
	<b>UKRAINE SECURITY ASSISTANCE</b>		
010	UKRAINE SECURITY ASSISTANCE .....		250,000
	Program increase for defensive lethal assistance .....		[50,000]
	Transfer of funds from the Defense Security Cooperation Agency ..		[200,000]
	<b>SUBTOTAL UKRAINE SECURITY ASSISTANCE .....</b>		<b>250,000</b>
	<b>TOTAL UKRAINE SECURITY ASSISTANCE .....</b>		<b>250,000</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>48,782,670</b>	<b>48,739,370</b>

1 **TITLE XLIV—MILITARY**  
2 **PERSONNEL**

Sec. 4401. Military personnel.

Sec. 4402. Military personnel for overseas contingency operations.

3 **SEC. 4401. MILITARY PERSONNEL.**

SEC. 4401. MILITARY PERSONNEL (In Thousands of Dollars)			
Item	FY 2019 Request	Conference Authorized	
<b>Military Personnel Appropriations .....</b>	<b>140,689,301</b>	<b>139,524,021</b>	
Foreign Currency adjustments .....			[-133,000]
Historical unobligated balances .....			[-1,308,500]
JROTC program increase .....			[1,220]
Permanently reverse BAH reduction for Military Housing Privatization Initiative .....			[275,000]
<b>Medicare-Eligible Retiree Health Fund Contributions .....</b>	<b>7,533,090</b>	<b>7,533,090</b>	
<b>Total, Military Personnel .....</b>	<b>148,222,391</b>	<b>147,057,111</b>	

4 **SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTIN-**  
5 **GENCY OPERATIONS.**

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Item	FY 2019 Request	Conference Authorized	
<b>Military Personnel Appropriations .....</b>	<b>4,660,661</b>	<b>4,660,661</b>	
<b>Total, Military Personnel Appropriations .....</b>	<b>4,660,661</b>	<b>4,660,661</b>	

1 **TITLE XLV—OTHER**  
 2 **AUTHORIZATIONS**

Sec. 4501. Other authorizations.

Sec. 4502. Other authorizations for overseas contingency operations.

3 **SEC. 4501. OTHER AUTHORIZATIONS.**

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)		
Program Title	FY 2019 Request	Conference Authorized
<b>WORKING CAPITAL FUND, ARMY</b>		
ARMY ARSENALS INITIATIVE .....	59,002	59,002
ARMY SUPPLY MANAGEMENT .....	99,763	99,763
<b>TOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>158,765</b>	<b>158,765</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>		
SUPPLY MANAGEMENT .....	69,054	69,054
<b>TOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>69,054</b>	<b>69,054</b>
<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>		
SUPPLY CHAIN MANAGEMENT—DEFENSE .....	48,096	48,096
<b>TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE .....</b>	<b>48,096</b>	<b>48,096</b>
<b>WORKING CAPITAL FUND, DECA</b>		
COMMISSARY OPERATIONS .....	1,266,200	1,266,200
<b>TOTAL WORKING CAPITAL FUND, DECA .....</b>	<b>1,266,200</b>	<b>1,266,200</b>
<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b>		
OPERATION & MAINTENANCE .....	105,997	105,997
RDT&E .....	886,728	886,728
PROCUREMENT .....	1,091	1,091
<b>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION ...</b>	<b>993,816</b>	<b>993,816</b>
<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>		
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	547,171	547,171
DRUG DEMAND REDUCTION PROGRAM .....	117,900	117,900
NATIONAL GUARD COUNTER-DRUG PROGRAM .....	117,178	137,178
Combatting opioid trafficking and abuse .....		[20,000]
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	5,276	5,276
<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVI- TIES, DEF .....</b>	<b>787,525</b>	<b>807,525</b>
<b>OFFICE OF THE INSPECTOR GENERAL</b>		
OPERATION & MAINTENANCE .....	327,611	327,611
RDT&E .....	1,602	1,602
PROCUREMENT .....	60	60
<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>329,273</b>	<b>329,273</b>
<b>DEFENSE HEALTH PROGRAM</b>		
IN-HOUSE CARE .....	9,738,569	9,698,569
Other costs excess growth .....		[-16,000]
Pharmaceuticals excess growth .....		[-24,000]
PRIVATE SECTOR CARE .....	15,103,735	15,103,735
CONSOLIDATED HEALTH SUPPORT .....	2,107,961	2,107,961
INFORMATION MANAGEMENT .....	2,039,878	2,039,878
MANAGEMENT ACTIVITIES .....	307,629	307,629
EDUCATION AND TRAINING .....	756,778	759,278
Specialized medical pilot program .....		[2,500]
BASE OPERATIONS/COMMUNICATIONS .....	2,090,845	2,090,845
RESEARCH .....	11,386	11,386
EXPLORATORY DEVELOPMENT .....	75,010	75,010
ADVANCED DEVELOPMENT .....	275,258	275,258
DEMONSTRATION/VALIDATION .....	117,529	117,529
ENGINEERING DEVELOPMENT .....	151,985	161,985
FDA approved devices to detect and monitor traumatic brain injury		[10,000]
MANAGEMENT AND SUPPORT .....	63,755	63,755
CAPABILITIES ENHANCEMENT .....	15,714	15,714

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)		
Program Title	FY 2019 Request	Conference Authorized
INITIAL OUTFITTING .....	33,056	33,056
REPLACEMENT & MODERNIZATION .....	343,424	343,424
DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION .....	496,680	496,680
UNDISTRIBUTED .....		-365,500
Historical unobligated balances .....		[-365,500]
<b>TOTAL DEFENSE HEALTH PROGRAM .....</b>	<b>33,729,192</b>	<b>33,336,192</b>
<b>TOTAL OTHER AUTHORIZATIONS .....</b>	<b>37,381,921</b>	<b>37,008,921</b>

1 **SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CON-**  
 2 **TINGENCY OPERATIONS.**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)		
Program Title	FY 2019 Request	Conference Authorized
<b>WORKING CAPITAL FUND, ARMY</b>		
ARMY SUPPLY MANAGEMENT .....	6,600	6,600
<b>TOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>6,600</b>	<b>6,600</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>		
SUPPLY MANAGEMENT .....	8,590	8,590
<b>TOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>8,590</b>	<b>8,590</b>
<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>		
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE .....	153,100	153,100
<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF .....</b>	<b>153,100</b>	<b>153,100</b>
<b>OFFICE OF THE INSPECTOR GENERAL</b>		
OPERATION & MAINTENANCE .....	24,692	24,692
<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>24,692</b>	<b>24,692</b>
<b>DEFENSE HEALTH PROGRAM</b>		
IN-HOUSE CARE .....	72,627	72,627
PRIVATE SECTOR CARE .....	277,066	277,066
CONSOLIDATED HEALTH SUPPORT .....	2,375	2,375
<b>TOTAL DEFENSE HEALTH PROGRAM .....</b>	<b>352,068</b>	<b>352,068</b>
<b>TOTAL OTHER AUTHORIZATIONS .....</b>	<b>545,050</b>	<b>545,050</b>

3 **TITLE XLVI—MILITARY**  
 4 **CONSTRUCTION**

Sec. 4601. Military construction.  
 Sec. 4602. Military construction for overseas contingency operations.

5 **SEC. 4601. MILITARY CONSTRUCTION.**

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Army	Alabama Anniston Army Depot	Weapon Maintenance Shop .....	5,200	5,200
Army	California Fort Irwin	Multipurpose Range Complex .....	29,000	29,000
Army	Colorado Fort Carson	Vehicle Maintenance Shop .....	77,000	77,000
Army	Georgia Fort Gordon	Cyber Instructional Fac and Network Ctr .....	99,000	99,000

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
	Germany			
Army	East Camp Grafenwoehr	Mission Training Complex .....	31,000	31,000
	Hawaii			
Army	Fort Shafter	Command and Control Facility, Iner 4 .....	105,000	105,000
Army	Wheeler Army Airfield	Rotary Wing Parking Apron .....	0	50,000
	Honduras			
Army	Soto Cano Air Base	Barracks .....	21,000	21,000
	Indiana			
Army	Crane Army Ammunition Plant	Railcar Holding Area .....	16,000	16,000
	Kentucky			
Army	Fort Campbell	Microgrid and Power Plant .....	0	18,000
Army	Fort Campbell	Vehicle Maintenance Shop .....	32,000	32,000
Army	Fort Knox	Digital Air/Ground Integration Range .....	26,000	26,000
	Korea			
Army	Camp Tango	Command and Control Facility .....	17,500	17,500
	Kuwait			
Army	Camp Arifjan	Vehicle Maintenance Shop .....	44,000	44,000
	Maryland			
Army	Fort Meade	Cantonment Area Roads .....	0	16,500
	New Jersey			
Army	Picatinny Arsenal	Munitions Disassembly Complex .....	41,000	41,000
	New Mexico			
Army	White Sands Missile Range	Information Systems Facility .....	40,000	40,000
	New York			
Army	U.S. Military Academy	Engineering Center .....	95,000	95,000
Army	U.S. Military Academy	Parking Structure .....	65,000	65,000
	North Carolina			
Army	Fort Bragg	Dining Facility .....	10,000	10,000
	South Carolina			
Army	Fort Jackson	Trainee Barracks Complex 3, Ph2 .....	52,000	52,000
	Texas			
Army	Fort Bliss	Supply Support Activity .....	24,000	24,000
Army	Fort Hood	Supply Support Activity .....	0	9,600
	Virginia			
Army	Arlington National Cemetery	Arlington National Cemetery (DAR) .....	0	30,000
	Worldwide Unspecified			
Army	Unspecified Worldwide Locations	Force Protection and Safety .....	0	35,000
Army	Unspecified Worldwide Locations	Host Nation Support .....	34,000	34,000
Army	Unspecified Worldwide Locations	Planning and Design .....	5,000	5,000
Army	Unspecified Worldwide Locations	Planning and Design .....	71,068	71,068
Army	Unspecified Worldwide Locations	Unspecified Minor Construction .....	72,000	72,000
<b>Military Construction, Army Total .....</b>			<b>1,011,768</b>	<b>1,170,868</b>
	Arizona			
Navy	Camp Navajo	Missile Motor Magazines and U&SI .....	0	14,800
	Bahamas			
Navy	Andros Island	AUTEC Austere Quarters .....	31,050	31,050
	Bahrain			
Navy	SW Asia	Fleet Maintenance Facility & TOC .....	26,340	26,340
	California			
Navy	Camp Pendleton	62 Area Mess Hall & Consolidated Warehouse .....	0	0
Navy	Camp Pendleton	AAV-ACV Maintenance & Warehouse Facility .....	49,410	49,410
Navy	Camp Pendleton	Electrical Upgrades .....	4,020	4,020
Navy	Camp Pendleton	Full Motion Trainer Facility .....	10,670	10,670
Navy	Camp Pendleton	Potable Water Distribution Improvements .....	47,230	47,230
Navy	Camp Pendleton	Supply Warehouse SOI-West .....	0	16,600
Navy	Marine Corps Air Station Miramar	Airfield Security Improvements .....	11,500	11,500
Navy	Marine Corps Air Station Miramar	F-35 Vertical Landing Pads and Taxiway .....	20,480	20,480
Navy	Naval Air Station Lemoore	Communications Line Ops to Admin .....	0	14,900
Navy	Naval Air Station Lemoore	F-35 Maintenance Hangar .....	112,690	112,690
Navy	Naval Base Coronado	Aircraft Paint Complex .....	0	0
Navy	Naval Base Coronado	CMV-22B Airfield Improvements .....	77,780	77,780
Navy	Naval Base San Diego	Harbor Drive Switching Station .....	48,440	48,440
Navy	Naval Base San Diego	LCS Mission Module Readiness Center .....	0	19,500

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Navy	Naval Base San Diego	Pier 8 Replacement .....	108,100	48,747
Navy	Naval Base Ventura	Directed Energy Systems Intergration Lab .....	22,150	22,150
Navy	Naval Base Ventura	Missile Assembly Build & High Explosive Mag .....	31,010	31,010
Navy	Naval Weapons Station Seal Beach	Causeway, Boat Channel & Turning Basin .....	117,830	77,830
Navy	Naval Weapons Station Seal Beach	Missile Magazines .....	0	21,800
Cuba				
Navy	Naval Station Guantanamo Bay	Consolidated Fire Station .....	0	19,700
Navy	Naval Station Guantanamo Bay	Solid Waste Management Facility .....	85,000	85,000
District of Columbia				
Navy	Naval Observatory	Master Time Clocks & Operations Facility .....	115,600	40,000
Florida				
Navy	Naval Air Station Whiting Field	Air Traffic Control Tower (North Field) .....	0	10,000
Navy	Naval Station Mayport	LCS Operational Training Facility Addition .....	29,110	29,110
Navy	Naval Station Mayport	LCS Support Facility .....	82,350	82,350
Georgia				
Navy	Marine Corps Base Albany	Welding and Body Repair Shop Facility .....	0	31,900
Germany				
Navy	Panzer Kaserne	MARFOREUR HQ Modernization and Expansion	43,950	43,950
Guam				
Navy	Joint Region Marianas	ACE Gym & Dining .....	27,910	27,910
Navy	Joint Region Marianas	Earth Covered Magazines .....	52,270	52,270
Navy	Joint Region Marianas	Machine Gun Range .....	141,287	70,000
Navy	Joint Region Marianas	Ordnance Ops .....	22,020	22,020
Navy	Joint Region Marianas	Unaccompanied Enlisted Housing .....	36,170	36,170
Navy	Naval Base Guam	X-Ray Wharf Improvements (Berth 2) .....	0	75,600
Hawaii				
Navy	Joint Base Pearl Harbor-Hickam	Drydock Waterfront Facility .....	45,000	45,000
Navy	Joint Base Pearl Harbor-Hickam	Water Transmission Line .....	78,320	78,320
Navy	Marine Corps Base Hawaii	Corrosion Control Hangar .....	66,100	66,100
Japan				
Navy	Kadena Air Base	Tactical Operations Center .....	9,049	9,049
Maine				
Navy	Portsmouth Naval Yard	Dry Dock #1 Superflood Basin .....	109,960	71,400
Navy	Portsmouth Naval Yard	Extend Portal Crane Rail .....	39,725	39,725
Mississippi				
Navy	Naval Construction Battalion Center	Expeditionary Combat Skills Student Berthing .....	0	22,300
North Carolina				
Navy	Camp Lejeune	2nd Radio BN Complex, Phase 2 .....	0	51,300
Navy	Marine Corps Air Station Cherry Point	Aircraft Maintenance Hangar .....	133,970	60,000
Navy	Marine Corps Air Station Cherry Point	Flightline Utility Modernization .....	106,860	55,000
Pennsylvania				
Navy	Naval Support Activity Philadelphia	Submarine Propulsor Manufacturing Support Fac ..	71,050	71,050
South Carolina				
Navy	Marine Corps Air Station Beaufort	Cryogenics Facility .....	0	6,300
Navy	Marine Corps Air Station Beaufort	Recycling/Hazardous Waste Facility .....	9,517	9,517
Navy	Marine Corps Recruit Depot, Parris Island	Range Improvements & Modernization, Phase 2 .....	35,190	35,190
Utah				
Navy	Hill Air Force Base	D5 Missile Motor Receipt/Storage Facility .....	105,520	55,000
Virginia				
Navy	Marine Corps Base Quantico	Ammunition Supply Point Upgrade, Phase 2 .....	0	13,100
Navy	Marine Corps Base Quantico	TBS Fire Station .....	21,980	0
Navy	Portsmouth	Ships Maintenance Facility .....	26,120	26,120
Washington				
Navy	Bangor	Pier and Maintenance Facility .....	88,960	88,960
Navy	Naval Air Station Whidbey Island	Fleet Support Facility .....	19,450	19,450
Navy	Naval Air Station Whidbey Island	Next Generation Jammer Facility .....	7,930	7,930

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
	Worldwide Unspecified			
Navy	Unspecified Worldwide Locations	Force Protection and Safety .....	0	35,000
Navy	Unspecified Worldwide Locations	Planning and Design .....	185,542	185,542
Navy	Unspecified Worldwide Locations	Unspecified Minor Construction .....	28,579	28,579
<b>Military Construction, Navy Total .....</b>			<b>2,543,189</b>	<b>2,412,859</b>
	Alaska			
AF	Eielson Air Force Base	F-35 Aircraft Maintenance Unit Admin Facility ....	6,800	6,800
AF	Eielson Air Force Base	F-35 Conventional Munitions Maintenance Fac .....	15,500	15,500
AF	Eielson Air Force Base	F-35A CATM Range .....	19,000	19,000
AF	Eielson Air Force Base	F-35A School Age Facility .....	22,500	22,500
	Arizona			
AF	Davis-Monthan Air Force Base	Age Facility .....	0	15,000
AF	Luke Air Force Base	F-35A Aircraft Maintenance Unit Facility .....	23,000	23,000
AF	Luke Air Force Base	F-35A Squad Ops #6 .....	17,000	17,000
	Arkansas			
AF	Little Rock Air Force Base	Dormitory - 168 PN .....	0	0
	Florida			
AF	Eglin Air Force Base	F-35A Integrated Trng Center Academics Bldg ....	34,863	34,863
AF	Eglin Air Force Base	F-35A Student Dormitory II .....	28,000	28,000
AF	Macdill Air Force Base	KC135 Beddown Add Flight Simulator Training ....	3,100	3,100
AF	Patrick Air Force Base	Main Gate .....	0	9,000
	Guam			
AF	Joint Region Marianas	Hayman Munitions Storage Igloos MSA 2 .....	9,800	9,800
	Louisiana			
AF	Barksdale Air Force Base	Entrance Road and Gate Complex .....	0	12,250
	Mariana Islands			
AF	Timian	APR—Cargo Pad with Taxiway Extension .....	46,000	46,000
AF	Timian	APR—Maintenance Support Facility .....	4,700	4,700
	Maryland			
AF	Joint Base Andrews	Child Development Center .....	0	13,000
AF	Joint Base Andrews	MWD Facility .....	0	8,000
AF	Joint Base Andrews	PAR Relocate Haz Cargo Pad and EOD Range ....	37,000	37,000
AF	Joint Base Andrews	Presidential Aircraft Recap Complex, Inc. 2 .....	154,000	129,116
	Massachusetts			
AF	Hanscom Air Force Base	MIT-Lincoln Laboratory (West Lab CSL/MIF) ....	225,000	105,000
	Nebraska			
AF	Offutt Air Force Base	Parking Lot, USSTRATCOM .....	9,500	9,500
	Nevada			
AF	Creech Air Force Base	MQ-9 CPIP GCS Operations Facility .....	28,000	28,000
AF	Creech Air Force Base	MQ-9 CPIP Operations & Command Center Fac. ...	31,000	31,000
AF	Nellis Air Force Base	CRH Simulator .....	5,900	5,900
	New Mexico			
AF	Holloman Air Force Base	MQ-9 FTU Ops Facility .....	85,000	85,000
AF	Kirtland Air Force Base	Wyoming Gate Upgrade for Anti-Terrorism Compliance.	0	7,000
	New York			
AF	Rome Lab	Anti-Terrorism Perimeter Security / Entry Control Point.	0	14,200
	North Dakota			
AF	Minot Air Force Base	Consolidated Helo/TRF Ops/AMU and Alert Fac ...	66,000	66,000
	Ohio			
AF	Wright-Patterson Air Force Base	ADAL Intelligence Production Complex (NASIC) ...	116,100	61,000
	Oklahoma			
AF	Altus Air Force Base	KC-46A FTU/FTC Simulator Facility Ph 3 .....	12,000	12,000
AF	Tinker Air Force Base	KC-46A Depot Fuel Maintenance Hangar .....	85,000	85,000
AF	Tinker Air Force Base	KC-46A Depot Maintenance Hangar .....	81,000	81,000
	Qatar			
AF	Al Udeid	Flightline Support Facilities .....	30,400	0
AF	Al Udeid	Personnel Deployment Processing Facility .....	40,000	0
	South Carolina			
AF	Shaw Air Force Base	CPIP MQ-9 MCE Group .....	53,000	53,000
	Texas			
AF	Joint Base San Antonio	BMT Recruit Dormitory 6 .....	25,000	25,000
	United Kingdom			
AF	Royal Air Force Lakenheath	F-35A 6 Bay Hangar .....	39,036	39,036

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
AF	Royal Air Force Lakenheath	F-35A ADAL Conventional Munitions MX .....	9,204	9,204
AF	Royal Air Force Lakenheath	F-35A ADAL Parts Store .....	13,926	13,926
AF	Royal Air Force Lakenheath	F-35A Age Facility .....	12,449	12,449
AF	Royal Air Force Lakenheath	F-35A Dorm .....	29,541	29,541
AF	Royal Air Force Lakenheath	F-35A Fuel System Maintenance Dock 2 Bay .....	16,880	16,880
AF	Royal Air Force Lakenheath	F-35A Parking Apron .....	27,431	27,431
	Utah			
AF	Hill Air Force Base	Composite Aircraft Antenna Calibration Fac .....	0	26,000
	Washington			
AF	Fairchild—White Bluff	ADAL JPRA C2 Mission Support Facility .....	0	14,000
	Worldwide Classified			
AF	Classified Location	TACMOR—Utilities and Infrastructure Support ....	18,000	18,000
	Worldwide Unspecified			
AF	Unspecified Worldwide Locations	Force Protection and Safety .....	0	35,000
AF	Various Worldwide Locations	Planning and Design .....	206,577	206,577
AF	Various Worldwide Locations	Unspecified Minor Military Construction .....	38,500	38,500
	<b>Military Construction, Air Force Total</b> .....		<b>1,725,707</b>	<b>1,608,773</b>
	Alabama			
Def-Wide	Anniston Army Depot	Install Microgrid .....	0	0
	Alaska			
Def-Wide	Clear Air Force Station	Long Range Discrim Radar Sys Complex Ph2 .....	174,000	130,000
Def-Wide	Fort Greely	Missile Field #1 Expansion .....	8,000	8,000
Def-Wide	Joint Base Elmendorf-Richardson	Operations Facility Replacement .....	14,000	14,000
	Arkansas			
Def-Wide	Little Rock Air Force Base	Hydrant Fuel System Alterations .....	14,000	14,000
	Belgium			
Def-Wide	Chievres Air Base	Europe West District Superintendent's Office .....	14,305	14,305
	California			
Def-Wide	Camp Pendleton	SOF EOD Facility—West .....	3,547	3,547
Def-Wide	Camp Pendleton	SOF Human Performance Training Center—West ...	9,049	9,049
Def-Wide	Defense Distribution Depot—Traey	Main Access Control Point Upgrades .....	18,800	18,800
Def-Wide	Naval Base Coronado	SOF ATC Applied Instruction Facility .....	14,819	14,819
Def-Wide	Naval Base Coronado	SOF ATC Training Facility .....	18,329	18,329
Def-Wide	Naval Base Coronado	SOF Close Quarters Combat Facility .....	12,768	12,768
Def-Wide	Naval Base Coronado	SOF NSWG-1 Operations Support Facility .....	25,172	25,172
Def-Wide	NB Ventura County	SNI Energy Storage System .....	0	0
	Colorado			
Def-Wide	Fort Carson	SOF Human Performance Training Center .....	15,297	15,297
Def-Wide	Fort Carson	SOF Mountaineering Facility .....	9,000	9,000
	CONUS Classified			
Def-Wide	Classified Location	Battalion Complex, Ph2 .....	49,222	49,222
	Cuba			
Def-Wide	Naval Base Guantanamo Bay	Working Dog Treatment Facility Replacement .....	9,080	9,080
	Djibouti			
Def-Wide	Camp Lemonnier	ECIP-Install PV Ground Array .....	0	0
	Germany			
Def-Wide	Baumholder	SOF Joint Parachute Rigging Facility .....	11,504	11,504
Def-Wide	Kaiserslautern Air Base	Kaiserslautern Middle School .....	99,955	99,955
Def-Wide	Rhine Ordnance Barracks	Medical Center Replacement Inc. 8 .....	319,589	319,589
Def-Wide	Weisbaden	Clay Kaserne Elementary School .....	56,048	56,048
	Greece			
Def-Wide	NSA Souda Bay	Energy Management Control Systems (EMCS) .....	0	0
	Guam			
Def-Wide	Naval Base Guam	P-691 NBG 74 Facilities Automated Controls .....	0	0
	Hawaii			
Def-Wide	Bellows AFB	Expand PV and Provide Energy Resilience to Fire Crash Reseue.	0	0
	Japan			
Def-Wide	Camp McTureous	Bechtel Elementary School .....	94,851	94,851
Def-Wide	Iwakuni	Fuel Pier .....	33,200	33,200
Def-Wide	Kadena Air Base	Truck Unload Facilities .....	21,400	21,400
Def-Wide	Yokosuka	Kinnick High School .....	170,386	40,000

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(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
	Kansas			
Def-Wide	Salina Training Center	PV/Water Conservation & Energy Resilience .....	0	0
	Kentucky			
Def-Wide	Fort Campbell	Ft Campbell Middle School .....	62,634	62,634
Def-Wide	Fort Campbell	SOF Air/Ground Integ. Urban Live Fire Range .....	9,091	9,091
Def-Wide	Fort Campbell	SOF Logistics Support Operations Facility .....	5,435	5,435
Def-Wide	Fort Campbell	SOF Multi-Use Helicopter Training Facility .....	5,138	5,138
	Louisiana			
Def-Wide	JRB NAS New Orleans	Distribution Switchgear .....	0	0
	Maine			
Def-Wide	Kittery	Consolidated Warehouse Replacement .....	11,600	11,600
	Maryland			
Def-Wide	Fort Meade	Mission Support Operations Warehouse Facility .....	30,000	30,000
Def-Wide	Fort Meade	NSAW Recapitalize Building #2 Inc 4 .....	218,000	218,000
Def-Wide	Fort Meade	NSAW Recapitalize Building #3 Inc 1 .....	99,000	99,000
	Missouri			
Def-Wide	St Louis	Next NGA West (N2W) Complex Phase 1 Inc. 2 .....	213,600	181,000
Def-Wide	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 1 .....	110,000	110,000
	New Jersey			
Def-Wide	Joint Base McGuire-Dix-Lakehurst	Hot Cargo Hydrant System Replacement .....	10,200	10,200
	North Carolina			
Def-Wide	Fort Bragg	SOF Replace Training Maze and Tower .....	12,109	12,109
Def-Wide	Fort Bragg	SOF SERE Resistance Training Lab. Complex .....	20,257	20,257
Def-Wide	New River	Amb Care Center/Dental Clinic Replacement .....	32,580	32,580
	Oklahoma			
Def-Wide	McAlester	Bulk Diesel System Replacement .....	7,000	7,000
	South Carolina			
Def-Wide	MCAS Beaufort	Electrical Hardening and Black Start CHP System .....	0	0
	Texas			
Def-Wide	Camp Mabry	Install Microgrid .....	0	0
Def-Wide	Joint Base San Antonio	Energy Aerospace Operations Facility .....	10,200	10,200
Def-Wide	Red River Army Depot	General Purpose Warehouse .....	71,500	71,500
	United Kingdom			
Def-Wide	Croughton RAF	Ambulatory Care Center Addition/Alteration .....	10,000	0
	Virginia			
Def-Wide	Fort A.P. Hill	Training Campus .....	11,734	11,734
Def-Wide	Fort Belvoir	Human Performance Training Center .....	6,127	6,127
Def-Wide	Humphreys Engineer Center	Maintenance and Supply Facility .....	20,257	20,257
Def-Wide	Joint Base Langley-Eustis	Fuel Facilities Replacement .....	6,900	6,900
Def-Wide	Joint Base Langley-Eustis	Ground Vehicle Fueling Facility Replacement .....	5,800	5,800
Def-Wide	NAS Oceana	Super Flight Line Electrical Distribution System (FLEDS) .....	0	0
Def-Wide	Pentagon	Exterior Infrastruc. & Security Improvements .....	23,650	23,650
Def-Wide	Pentagon	North Village VACP & Fencing .....	12,200	12,200
Def-Wide	Traning Center Dam Neck	SOF Magazines .....	8,959	8,959
	Washington			
Def-Wide	Joint Base Lewis-McChord	Refueling Facility .....	26,200	26,200
	Worldwide Unspecified			
Def-Wide	Unspecified Worldwide Locations	Contingency Construction .....	10,000	0
Def-Wide	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog. ....	150,000	193,390
Def-Wide	Unspecified Worldwide Locations	ERCIP Design .....	10,000	15,000
Def-Wide	Unspecified Worldwide Locations	Exercise Related Minor Construction .....	12,479	12,479
Def-Wide	Unspecified Worldwide Locations	Planning and Design .....	55,925	55,925
Def-Wide	Unspecified Worldwide Locations	Planning and Design .....	496	496
Def-Wide	Unspecified Worldwide Locations	Planning and Design .....	2,036	2,036
Def-Wide	Unspecified Worldwide Locations	Planning and Design .....	14,300	14,300
Def-Wide	Unspecified Worldwide Locations	Planning and Design .....	14,184	6,184
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	5,000	5,000
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	10,000	10,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	13,642	13,642
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	3,000	3,000
Def-Wide	Various Worldwide Locations	Planning & Design .....	42,705	42,705
Def-Wide	Various Worldwide Locations	Planning and Design .....	55,699	55,699
Def-Wide	Various Worldwide Locations	Unspecified Minor Construction .....	17,366	17,366
<b>Military Construction, Defense-Wide Total .....</b>			<b>2,693,324</b>	<b>2,506,728</b>
NATO	Worldwide Unspecified NATO Security Investment Program	NATO Security Investment Program .....	171,064	171,064
<b>NATO Security Investment Program Total .....</b>			<b>171,064</b>	<b>171,064</b>
Army NG	Alaska Joint Base Elmendorf-Richardson	United States Property & Fiscal Office .....	27,000	27,000
Army NG	Illinois Marseilles Training Center	Automated Record Fire Range .....	5,000	5,000
Army NG	Montana Malta	National Guard Readiness Center .....	15,000	15,000
Army NG	Nevada North Las Vegas	National Guard Readiness Center .....	32,000	32,000
Army NG	New Hampshire Pembroke	National Guard Readiness Center .....	12,000	12,000
Army NG	North Dakota Fargo	National Guard Readiness Center .....	32,000	32,000
Army NG	Ohio Camp Ravenna	Automated Multipurpose Machine Gun Range .....	7,400	7,400
Army NG	Oklahoma Lexington	Aircraft Vehicle Storage Building .....	0	11,000
Army NG	Oregon Boardman	Tactical Unmanned Aerial Vehicle Hangar .....	0	11,000
Army NG	South Dakota Rapid City	National Guard Readiness Center .....	15,000	15,000
Army NG	Texas Houston	Unheated Vehicle Storage (Aircraft) .....	0	0
Army NG	Virginia Sandston	Army Aviation Support Facility .....	0	0
Army NG	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design .....	16,622	16,622
Army NG	Unspecified Worldwide Locations	Unspecified Minor Construction .....	18,100	18,100
<b>Military Construction, Army National Guard Total .....</b>			<b>180,122</b>	<b>202,122</b>
Army Res	California Barstow	ECS Modified TEMF / Warehouse .....	34,000	34,000
Army Res	Washington Yakima Training Center	ECS Modified TEMF .....	0	23,000
Army Res	Wisconsin Fort McCoy	Transient Training Barracks .....	23,000	23,000
Army Res	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design .....	5,855	5,855
Army Res	Unspecified Worldwide Locations	Unspecified Minor Construction .....	2,064	2,064
<b>Military Construction, Army Reserve Total .....</b>			<b>64,919</b>	<b>87,919</b>
N/MC Res	California Naval Weapons Station Seal Beach	Reserve Training Center .....	21,740	21,740
N/MC Res	Georgia Fort Benning	Reserve Training Center .....	13,630	13,630
N/MC Res	Worldwide Unspecified Unspecified Worldwide Locations	Planning & Design .....	4,695	4,695
N/MC Res	Unspecified Worldwide Locations	Unspecified Minor Construction .....	3,000	3,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
<b>Military Construction, Naval Reserve Total</b>			<b>43,065</b>	<b>43,065</b>
	California			
Air NG	Channel Islands Air National Guard Station	Construct C-130J Flight Simulator Facility	8,000	8,000
	Hawaii			
Air NG	Joint Base Pearl Harbor-Hickam	Construct Addition to F-22 LO/CRF B3408	17,000	17,000
	Illinois			
Air NG	Greater Peoria Regional Airport	Construct New Fire Crash/Rescue Station	9,000	9,000
	Louisiana			
Air NG	Naval Air Station Joint Reserve Base New Orleans	NORTHCOM—Construct Alert Facilities	0	24,000
Air NG	Naval Air Station Joint Reserve Base New Orleans	NORTHCOM—Construct Alert Apron	15,000	15,000
	Minnesota			
Air NG	Duluth International Airport	Construct Small Arms Range	0	8,000
	Montana			
Air NG	Great Falls International Airport	Construct Aircraft Apron	0	9,000
	New York			
Air NG	Francis S. Gabreski Airport	Security Forces/Comm.Training Facility	20,000	20,000
	Ohio			
Air NG	Mansfield Lahm Airport	Replace Fire Station	0	13,000
Air NG	Rickenbacker International Airport	Construct Small Arms Range	0	8,000
	Pennsylvania			
Air NG	Fort Indiantown Gap	Replace Operations Training/Dining Hall	8,000	8,000
	Puerto Rico			
Air NG	Luis Munoz Marin International	Hurricane Maria—Communications Facility	0	0
Air NG	Luis Munoz Marin International Airport	Hurricane Maria—Maintenance Hangar	0	0
	Virginia			
Air NG	Joint Base Langley-Eustis	Construct Cyber Ops Facility	10,000	10,000
	Worldwide Unspecified			
Air NG	Unspecified Worldwide Locations	Unspecified Minor Construction	23,626	23,626
Air NG	Various Worldwide Locations	Planning and Design	18,500	18,500
<b>Military Construction, Air National Guard Total</b>			<b>129,126</b>	<b>191,126</b>
	Florida			
AF Res	Patrick Air Force Base	HC-130J Mx Hanger	0	24,000
	Indiana			
AF Res	Grissom Air Reserve Base	Add/Alter Aircraft Maintenance Hangar	12,100	12,100
AF Res	Grissom Air Reserve Base	Aerial Port Facility	0	9,400
	Massachusetts			
AF Res	Westover Air Reserve Base	Regional ISO Mx Hanger	0	42,600
	Minnesota			
AF Res	Minneapolis-St Paul International Airport	Small Arms Range	9,000	0
	Mississippi			
AF Res	Keesler Air Force Base	Aeromedical Staging Squadron Facility	4,550	4,550
	New York			
AF Res	Niagara Falls International Airport	Physical Fitness Center	14,000	14,000
	Ohio			
AF Res	Youngstown Air Reserve Station	Relocation Main Gate	0	8,800
	Texas			
AF Res	Naval Air Station Joint Reserve Base Fort Worth	Munitions Training/Admin Facility	3,100	0
	Worldwide Unspecified			

<b>SEC. 4601. MILITARY CONSTRUCTION</b>				
<b>(In Thousands of Dollars)</b>				
<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2019 Request</b>	<b>Conference Authorized</b>
AF Res	Unspecified Worldwide Locations	Planning & Design .....	4,055	4,055
AF Res	Unspecified Worldwide Locations	Unspecified Minor Construction .....	3,358	3,358
<b>Military Construction, Air Force Reserve Total .....</b>			<b>50,163</b>	<b>122,863</b>
Germany				
FH Con Army	Baumholder	Family Housing Improvements .....	32,000	32,000
Italy				
FH Con Army	Vicenza	Family Housing New Construction .....	95,134	95,134
Korea				
FH Con Army	Camp Humphreys	Family Housing New Construction Iner 3 .....	85,000	85,000
FH Con Army	Camp Walker	Family Housing Replacement Construction .....	68,000	68,000
Puerto Rico				
FH Con Army	Fort Buehanan	Family Housing Replacement Construction .....	26,000	26,000
Wisconsin				
FH Con Army	Fort McCoy	Family Housing New Construction .....	6,200	6,200
Worldwide Unspecified				
FH Con Army	Unspecified Worldwide Locations	Family Housing P & D .....	18,326	18,326
<b>Family Housing Construction, Army Total .....</b>			<b>330,660</b>	<b>330,660</b>
Worldwide Unspecified				
FH Ops Army	Unspecified Worldwide Locations	Furnishings .....	15,842	15,842
FH Ops Army	Unspecified Worldwide Locations	Housing Privatization Support .....	18,801	18,801
FH Ops Army	Unspecified Worldwide Locations	Leasing .....	161,252	161,252
FH Ops Army	Unspecified Worldwide Locations	Maintenance .....	75,530	75,530
FH Ops Army	Unspecified Worldwide Locations	Management .....	36,302	36,302
FH Ops Army	Unspecified Worldwide Locations	Miscellaneous .....	408	408
FH Ops Army	Unspecified Worldwide Locations	Services .....	10,502	10,502
FH Ops Army	Unspecified Worldwide Locations	Utilities .....	57,872	57,872
<b>Family Housing Operation And Maintenance, Army Total .....</b>			<b>376,509</b>	<b>376,509</b>
Guam				
FH Con Navy	Guam	Joint Region Marianas .....	83,441	83,441
Worldwide Unspecified				
FH Con Navy	Unspecified Worldwide Locations	Design, Washington DC .....	4,502	4,502
FH Con Navy	Unspecified Worldwide Locations	Improvements, Washington DC .....	16,638	16,638
<b>Family Housing Construction, Navy And Marine Corps Total .....</b>			<b>104,581</b>	<b>104,581</b>
Worldwide Unspecified				
FH Ops Navy	Unspecified Worldwide Locations	Furnishings .....	16,395	16,395
FH Ops Navy	Unspecified Worldwide Locations	Housing Privatization Support .....	21,767	21,767
FH Ops Navy	Unspecified Worldwide Locations	Leasing .....	62,515	62,515
FH Ops Navy	Unspecified Worldwide Locations	Maintenance .....	86,328	86,328
FH Ops Navy	Unspecified Worldwide Locations	Management .....	50,870	50,870
FH Ops Navy	Unspecified Worldwide Locations	Miscellaneous .....	148	148
FH Ops Navy	Unspecified Worldwide Locations	Services .....	16,261	16,261
FH Ops Navy	Unspecified Worldwide Locations	Utilities .....	60,252	60,252
<b>Family Housing Operation And Maintenance, Navy And Marine Corps Total.</b>			<b>314,536</b>	<b>314,536</b>
Worldwide Unspecified				
FH Con AF	Unspecified Worldwide Locations	Construction Improvements .....	75,247	75,247

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Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
FH Con AF	Unspecified Worldwide Locations	Planning & Design .....	3,199	3,199
<b>Family Housing Construction, Air Force Total .....</b>			<b>78,446</b>	<b>78,446</b>
FH Ops AF	Worldwide Unspecified Unspecified Worldwide Locations	Furnishings .....	30,645	30,645
FH Ops AF	Unspecified Worldwide Locations	Housing Privatization Support .....	22,205	22,205
FH Ops AF	Unspecified Worldwide Locations	Leasing .....	15,832	15,832
FH Ops AF	Unspecified Worldwide Locations	Maintenance .....	129,763	129,763
FH Ops AF	Unspecified Worldwide Locations	Management .....	54,423	54,423
FH Ops AF	Unspecified Worldwide Locations	Miscellaneous .....	2,171	2,171
FH Ops AF	Unspecified Worldwide Locations	Services .....	13,669	13,669
FH Ops AF	Unspecified Worldwide Locations	Utilities .....	48,566	48,566
<b>Family Housing Operation And Maintenance, Air Force Total .....</b>			<b>317,274</b>	<b>317,274</b>
FH Ops DW	Worldwide Unspecified Unspecified Worldwide Locations	Furnishings .....	1	1
FH Ops DW	Unspecified Worldwide Locations	Furnishings .....	643	643
FH Ops DW	Unspecified Worldwide Locations	Furnishings .....	416	416
FH Ops DW	Unspecified Worldwide Locations	Leasing .....	13,046	13,046
FH Ops DW	Unspecified Worldwide Locations	Leasing .....	38,232	38,232
FH Ops DW	Unspecified Worldwide Locations	Maintenance .....	121	121
FH Ops DW	Unspecified Worldwide Locations	Maintenance .....	1,542	1,542
FH Ops DW	Unspecified Worldwide Locations	Management .....	155	155
FH Ops DW	Unspecified Worldwide Locations	Services .....	2	2
FH Ops DW	Unspecified Worldwide Locations	Utilities .....	4,100	4,100
FH Ops DW	Unspecified Worldwide Locations	Utilities .....	106	106
FH Ops DW	Unspecified Worldwide Locations	Utilities .....	9	9
<b>Family Housing Operation And Maintenance, Defense-Wide Total .....</b>			<b>58,373</b>	<b>58,373</b>
FHIF	Worldwide Unspecified Unspecified Worldwide Locations	Administrative Expenses—FHIF .....	1,653	1,653
<b>DOD Family Housing Improvement Fund Total .....</b>			<b>1,653</b>	<b>1,653</b>
UHIF	Worldwide Unspecified Unaccompanied Housing Improvement Fund	Administrative Expenses—UHIF .....	600	600
<b>Unaccompanied Housing Improvement Fund Total .....</b>			<b>600</b>	<b>600</b>
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment and Closure .....	62,796	80,906
<b>Base Realignment and Closure—Army Total .....</b>			<b>62,796</b>	<b>80,906</b>
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment and Closure .....	151,839	170,949
<b>Base Realignment and Closure—Navy Total .....</b>			<b>151,839</b>	<b>170,949</b>

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment and Closure .....	52,903	71,013
<b>Base Realignment and Closure—Air Force Total .....</b>			<b>52,903</b>	<b>71,013</b>
PYS	Prior Year Savings Prior Year Savings	Prior Year Savings .....	0	-83,296
<b>Prior Year Savings Total .....</b>			<b>0</b>	<b>-83,296</b>
<b>Total, Military Construction .....</b>			<b>10,462,617</b>	<b>10,339,591</b>

1 **SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CON-**  
 2 **TINGENCY OPERATIONS.**

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)				
Service	State/Country and Installation	Project	FY 2019 Request	Conference Authorized
Army	Bulgaria Nevo Selo FOS	EDI: Ammunition Holding Area .....	5,200	5,200
Army	Cuba Guantanamo Bay	High Value Detention Facility .....	69,000	0
Army	Poland Drawsko Pomorski Training Area	EDI: Staging Area .....	17,000	17,000
Army	Powidz Air Base	EDI: Ammunition Storage Facility .....	52,000	52,000
Army	Powidz Air Base	EDI: Bulk Fuel Storage .....	21,000	21,000
Army	Powidz Air Base	EDI: Rail Extension & Railhead .....	14,000	14,000
Army	Zagan Training Area	EDI: Rail Extension and Railhead .....	6,400	6,400
Army	Zagan Training Area	EDI: Staging Area .....	34,000	34,000
Army	Romania Mihail Kogalniceanu FOS	EDI: Explosives & Ammo Load/Unload Apron .....	21,651	21,651
Army	Worldwide Unspecified Unspecified Worldwide Locations	EDI: Planning and Design .....	20,999	20,999
<b>Military Construction, Army Total .....</b>			<b>261,250</b>	<b>192,250</b>
Navy	Greece Souda Bay	EDI: Joint Mobility Processing Center .....	41,650	41,650
Navy	Souda Bay	EDI: Marathi Logistics Support Center .....	6,200	6,200
Navy	Italy Sigonella	EDI: P-SA Taxiway .....	66,050	66,050
Navy	Spain Rota	EDI: Port Operations Facilities .....	21,590	21,590
Navy	United Kingdom Lossiemouth	EDI: P-8 Base Improvements .....	79,130	79,130
Navy	Worldwide Unspecified Unspecified Worldwide Locations	EDI: Planning and Design .....	12,700	12,700
<b>Military Construction, Navy Total .....</b>			<b>227,320</b>	<b>227,320</b>
AF	Germany Ramstein AB	EDI: KME DABS-FEV/RH Storage Warehouses .....	119,000	119,000
AF	Norway Rygge	EDI: Construct Taxiway .....	13,800	13,800
AF	Qatar Al Udeid	Flight Line Support Facilities .....	0	30,400
AF	Al Udeid	Personnel Deployment Processing Facility .....	0	40,000
AF	Slovakia Malacky	EDI: Regional Munitions Storage Area .....	59,000	59,000
AF	United Kingdom RAF Fairford	EDI: Construct DABS-FEV Storage .....	87,000	87,000
AF	RAF Fairford	EDI: Munitions Holding Area .....	19,000	19,000
AF	Worldwide Unspecified Unspecified Worldwide Locations	EDI: Planning & Design Funds .....	48,000	46,600
<b>Military Construction, Air Force Total .....</b>			<b>345,800</b>	<b>414,800</b>

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)				
Service	State/Country and Installation	Project	FY 2019 Request	Conference Authorized
	Estonia			
Def-Wide	Unspecified Estonia	EDI: SOF Operations Facility .....	6,100	6,100
Def-Wide	Unspecified Estonia	EDI: SOF Training Facility .....	9,600	9,600
	Qatar			
Def-Wide	Al Udeid	Trans-Regional Logistics Complex .....	60,000	60,000
	Worldwide Unspecified			
Def-Wide	Unspecified Worldwide Locations	EDI: Planning and Design .....	7,100	7,100
Def-Wide	Various Worldwide Locations	EDI: Planning and Design .....	4,250	4,250
<b>Military Construction, Defense-Wide Total .....</b>			<b>87,050</b>	<b>87,050</b>
<b>Total, Military Construction .....</b>			<b>921,420</b>	<b>921,420</b>

1 **TITLE XLVII—DEPARTMENT OF**  
 2 **ENERGY NATIONAL SECURITY**  
 3 **PROGRAMS**

Sec. 4701. Department of Energy national security programs.

4 **SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY**  
 5 **PROGRAMS.**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)			
Program	FY 2019 Request	Conference Authorized	
<b>Discretionary Summary By Appropriation</b>			
<b>Energy And Water Development, And Related Agencies</b>			
<b>Appropriation Summary:</b>			
<b>Energy Programs</b>			
Nuclear Energy .....	136,090	136,090	
<b>Atomic Energy Defense Activities</b>			
<b>National nuclear security administration:</b>			
Weapons activities .....	11,017,078	11,192,664	
Defense nuclear nonproliferation .....	1,862,825	1,847,429	
Naval reactors .....	1,788,618	1,788,618	
Federal salaries and expenses .....	422,529	404,529	
<b>Total, National nuclear security administration .....</b>	<b>15,091,050</b>	<b>15,233,240</b>	
<b>Environmental and other defense activities:</b>			
Defense environmental cleanup .....	5,630,217	5,626,636	
Other defense activities .....	853,300	853,300	
Defense nuclear waste disposal .....	30,000	0	
<b>Total, Environmental &amp; other defense activities .....</b>	<b>6,513,517</b>	<b>6,479,936</b>	
<b>Total, Atomic Energy Defense Activities .....</b>	<b>21,604,567</b>	<b>21,713,176</b>	
<b>Total, Discretionary Funding .....</b>	<b>21,740,657</b>	<b>21,849,266</b>	
<b>Nuclear Energy</b>			
Idaho sitewide safeguards and security .....	136,090	136,090	
<b>Total, Nuclear Energy .....</b>	<b>136,090</b>	<b>136,090</b>	
<b>Weapons Activities</b>			
<b>Directed stockpile work</b>			
<b>Life extension programs and major alterations</b>			
B61-12 Life extension program .....	794,049	794,049	
W76-1 Life extension program .....	48,888	48,888	
W88 Alt 370 .....	304,285	304,285	
W80-4 Life extension program .....	654,766	654,766	

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2019 Request	Conference Authorized
IW-1 .....	53,000	53,000
W76-2 Warhead modification program .....	65,000	65,000
<b>Total, Life extension programs and major alterations .....</b>	<b>1,919,988</b>	<b>1,919,988</b>
<b>Stockpile systems</b>		
B61 Stockpile systems .....	64,547	64,547
W76 Stockpile systems .....	94,300	94,300
W78 Stockpile systems .....	81,329	81,329
W80 Stockpile systems .....	80,204	80,204
B83 Stockpile systems .....	35,082	35,082
W87 Stockpile systems .....	83,107	83,107
W88 Stockpile systems .....	180,913	180,913
<b>Total, Stockpile systems .....</b>	<b>619,482</b>	<b>619,482</b>
<b>Weapons dismantlement and disposition</b>		
Operations and maintenance .....	56,000	56,000
<b>Stockpile services</b>		
Production support .....	512,916	508,916
Program decrease .....		[-4,000]
Research and development support .....	38,129	38,129
R&D certification and safety .....	216,582	214,582
Program decrease .....		[-2,000]
Management, technology, and production .....	300,736	300,736
<b>Total, Stockpile services .....</b>	<b>1,068,363</b>	<b>1,062,363</b>
<b>Strategic materials</b>		
Uranium sustainment .....	87,182	87,182
Plutonium sustainment .....	361,282	361,282
Tritium sustainment .....	205,275	205,275
Lithium sustainment .....	29,135	29,135
Domestic uranium enrichment .....	100,704	100,704
Strategic materials sustainment .....	218,794	218,794
<b>Total, Strategic materials .....</b>	<b>1,002,372</b>	<b>1,002,372</b>
<b>Total, Directed stockpile work .....</b>	<b>4,666,205</b>	<b>4,660,205</b>
<b>Research, development, test and evaluation (RDT&amp;E)</b>		
<b>Science</b>		
Advanced certification .....	57,710	57,710
Primary assessment technologies .....	95,057	93,057
Program decrease .....		[-2,000]
Dynamic materials properties .....	131,000	128,000
Program decrease .....		[-3,000]
Advanced radiography .....	32,544	32,544
Secondary assessment technologies .....	77,553	77,553
Academic alliances and partnerships .....	53,364	53,364
Enhanced Capabilities for Subcritical Experiments .....	117,632	80,000
<b>Total, Science .....</b>	<b>564,860</b>	<b>522,228</b>
<b>Engineering</b>		
Enhanced surety .....	43,226	43,226
Weapon systems engineering assessment technology .....	27,536	27,536
Nuclear survivability .....	48,230	48,230
Enhanced surveillance .....	58,375	50,000
Program decrease .....		[-8,375]
Stockpile Responsiveness .....	34,000	40,000
Program increase .....		[6,000]
<b>Total, Engineering .....</b>	<b>211,367</b>	<b>208,992</b>
<b>Inertial confinement fusion ignition and high yield</b>		
Ignition .....	22,434	69,575
Maintain sustainable levels .....		[47,141]
Support of other stockpile programs .....	17,397	22,565
Maintain sustainable levels .....		[5,168]
Diagnostics, cryogenics and experimental support .....	51,453	77,194
Maintain sustainable levels .....		[22,741]
Tokamak support .....		[3,000]
Pulsed power inertial confinement fusion .....	8,310	7,596
Program decrease .....		[-714]
Joint program in high energy density laboratory plasmas .....	0	9,492

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2019 Request	Conference Authorized
Program increase .....		[9,492]
Facility operations and target production .....	319,333	334,791
Maintain sustainable levels .....		[15,458]
<b>Total, Inertial confinement fusion and high yield .....</b>	<b>418,927</b>	<b>521,213</b>
<b>Advanced simulation and computing</b>		
Advanced simulation and computing .....	656,401	656,401
<b>Construction:</b>		
18-D-670, Exascale Class Computer Cooling Equipment, LANL .....	24,000	24,000
18-D-620, Exascale Computing Facility Modernization Project, LLNL .....	23,000	23,000
<b>Total, Construction .....</b>	<b>47,000</b>	<b>47,000</b>
<b>Total, Advanced simulation and computing .....</b>	<b>703,401</b>	<b>703,401</b>
<b>Advanced manufacturing</b>		
Additive manufacturing .....	17,447	17,447
Component manufacturing development .....	48,477	45,784
Program decrease .....		[-2,693]
Process technology development .....	30,914	30,914
<b>Total, Advanced manufacturing .....</b>	<b>96,838</b>	<b>94,145</b>
<b>Total, RDT&amp;E .....</b>	<b>1,995,393</b>	<b>2,049,979</b>
<b>Infrastructure and operations</b>		
Operations of facilities .....	891,000	880,000
Safety and environmental operations .....	115,000	110,000
Maintenance and repair of facilities .....	365,000	404,000
Address high-priority repair needs and preventive maintenance .....		[39,000]
<b>Recapitalization:</b>		
Infrastructure and safety .....	431,631	498,631
Support high-priority deferred maintenance .....		[67,000]
Capability based investments .....	109,057	113,057
Program increase .....		[4,000]
<b>Total, Recapitalization .....</b>	<b>540,688</b>	<b>611,688</b>
<b>Construction:</b>		
19-D-670, 138kV Power Transmission System Replacement, NNSS .....	6,000	6,000
19-D-660, Lithium Production Capability, Y-12 .....	19,000	19,000
18-D-680, Material Staging Facility, Pantex .....	0	24,000
18-D-650, Tritium Production Capability, SRS .....	27,000	27,000
17-D-710, West End Protected Area reduction Project, Y-12 .....	0	0
17-D-640, U1a Complex Enhancements Project, NNSS .....	53,000	53,000
16-D-515, Albuquerque complex project .....	47,953	47,953
14-D-710, DAF Argus project, NNSS .....	0	0
06-D-141 Uranium processing facility Y-12, Oak Ridge, TN .....	703,000	703,000
04-D-125 Chemistry and metallurgy research facility replacement project, LANL .....	235,095	235,095
<b>Total, Construction .....</b>	<b>1,091,048</b>	<b>1,115,048</b>
<b>Total, Infrastructure and operations .....</b>	<b>3,002,736</b>	<b>3,120,736</b>
<b>Secure transportation asset</b>		
Operations and equipment .....	176,617	176,617
Program direction .....	102,022	102,022
<b>Total, Secure transportation asset .....</b>	<b>278,639</b>	<b>278,639</b>
<b>Defense nuclear security</b>		
Operations and maintenance .....	690,638	699,638
Physical security infrastructure recapitalization and CSTART .....		[9,000]
<b>Total, Defense nuclear security .....</b>	<b>690,638</b>	<b>699,638</b>
Information technology and cybersecurity .....	221,175	221,175
Legacy contractor pensions .....	162,292	162,292
<b>Total, Weapons Activities .....</b>	<b>11,017,078</b>	<b>11,192,664</b>
<b>Defense Nuclear Nonproliferation</b>		
<b>Defense Nuclear Nonproliferation Programs</b>		
<b>Global material security</b>		
International nuclear security .....	46,339	46,339

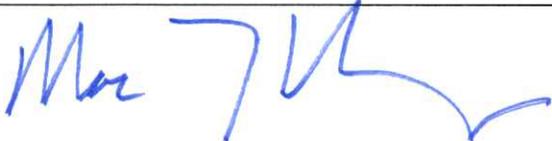
SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2019 Request	Conference Authorized
Domestic radiological security .....	90,764	90,764
International radiological security .....	59,576	59,576
Nuclear smuggling detection and deterrence .....	140,429	130,429
Program decrease .....		[-10,000]
<b>Total, Global material security .....</b>	<b>337,108</b>	<b>327,108</b>
<b>Material management and minimization</b>		
HEU reactor conversion .....	98,300	88,300
Program decrease .....		[-10,000]
Nuclear material removal .....	32,925	32,925
Material disposition .....	200,869	200,869
<b>Total, Material management &amp; minimization .....</b>	<b>332,094</b>	<b>322,094</b>
Nonproliferation and arms control .....	129,703	129,703
Defense nuclear nonproliferation R&D .....	456,095	468,095
Acceleration of low-yield detection experiments .....		[6,000]
Future nuclear proliferation challenges, including 3D printing .....		[6,000]
<b>Nonproliferation Construction:</b>		
18-D-150 Surplus Plutonium Disposition Project .....	59,000	59,000
99-D-143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS .....	220,000	220,000
<b>Total, Nonproliferation construction .....</b>	<b>279,000</b>	<b>279,000</b>
<b>Total, Defense Nuclear Nonproliferation Programs .....</b>	<b>1,534,000</b>	<b>1,526,000</b>
Low Enriched Uranium R&D for Naval Reactors .....	0	10,000
Direct support to low-enriched uranium R&D for Naval Reactors .....		[10,000]
Legacy contractor pensions .....	28,640	28,640
Nuclear counterterrorism and incident response program .....	319,185	319,185
Use of prior year balances .....	-19,000	-36,396
<b>Total, Defense Nuclear Nonproliferation .....</b>	<b>1,862,825</b>	<b>1,847,429</b>
<b>Naval Reactors</b>		
Naval reactors development .....	514,951	514,951
Columbia-Class reactor systems development .....	138,000	138,000
S8G Prototype refueling .....	250,000	250,000
Naval reactors operations and infrastructure .....	525,764	525,764
<b>Construction:</b>		
19-D-930, KS Overhead Piping .....	10,994	10,994
17-D-911, BL Fire System Upgrade .....	13,200	13,200
14-D-901 Spent fuel handling recapitalization project, NRF .....	287,000	287,000
<b>Total, Construction .....</b>	<b>311,194</b>	<b>311,194</b>
Program direction .....	48,709	48,709
<b>Total, Naval Reactors .....</b>	<b>1,788,618</b>	<b>1,788,618</b>
<b>Federal Salaries And Expenses</b>		
Program direction .....	422,529	404,529
Program decrease .....		[-18,000]
<b>Total, Office Of The Administrator .....</b>	<b>422,529</b>	<b>404,529</b>
<b>Defense Environmental Cleanup</b>		
<b>Closure sites:</b>		
Closure sites administration .....	4,889	4,889
<b>Richland:</b>		
River corridor and other cleanup operations .....	89,577	89,577
Central plateau remediation .....	562,473	612,473
Accelerated remediation of 300-296 waste site ..		[50,000]
Richland community and regulatory support .....	5,121	5,121
<b>Construction:</b>		
18-D-404 WESF Modifications and Capsule Storage .....	1,000	1,000
<b>Total, Construction .....</b>	<b>1,000</b>	<b>1,000</b>
<b>Total, Hanford site .....</b>	<b>658,171</b>	<b>708,171</b>
<b>Office of River Protection:</b>		
Waste Treatment Immobilization Plant Commissioning .....	15,000	15,000
Rad liquid tank waste stabilization and disposition .....	677,460	677,460
<b>Construction:</b>		

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2019 Request	Conference Authorized
15-D-409 Low activity waste pretreatment system, ORP .....	56,053	56,053
01-D-416 A-D WTP Subprojects A-D .....	675,000	675,000
01-D-416 E—Pretreatment Facility .....	15,000	15,000
<b>Total, Construction</b> .....	<b>746,053</b>	<b>746,053</b>
<b>Total, Office of River protection</b> .....	<b>1,438,513</b>	<b>1,438,513</b>
<b>Idaho National Laboratory:</b>		
SNF stabilization and disposition—2012 .....	17,000	17,000
Solid waste stabilization and disposition .....	148,387	148,387
Radioactive liquid tank waste stabilization and disposition .....	137,739	137,739
Soil and water remediation—2035 .....	42,900	42,900
Idaho community and regulatory support .....	3,200	3,200
<b>Total, Idaho National Laboratory</b> .....	<b>349,226</b>	<b>349,226</b>
<b>NNSA sites and Nevada off-sites</b>		
Lawrence Livermore National Laboratory .....	1,704	1,704
<b>Nuclear facility D &amp; D</b>		
Separations Process Research Unit .....	15,000	15,000
Nevada .....	60,136	60,136
Sandia National Laboratories .....	2,600	2,600
Los Alamos National Laboratory .....	191,629	191,629
<b>Total, NNSA sites and Nevada off-sites</b> .....	<b>271,069</b>	<b>271,069</b>
<b>Oak Ridge Reservation:</b>		
<b>OR Nuclear facility D &amp; D</b>		
OR-0041—D&D - Y-12 .....	30,214	30,214
OR-0042—D&D -ORNL .....	60,007	60,007
<b>Total, OR Nuclear facility D &amp; D</b> .....	<b>90,221</b>	<b>90,221</b>
U233 Disposition Program .....	45,000	45,000
<b>OR cleanup and waste disposition</b>		
OR cleanup and disposition .....	67,000	67,000
<b>Construction:</b>		
17-D-401 On-site waste disposal facility .....	5,000	5,000
14-D-403 Outfall 200 Mercury Treatment Facility .....	11,274	11,274
<b>Total, Construction</b> .....	<b>16,274</b>	<b>16,274</b>
<b>Total, OR cleanup and waste disposition</b> .....	<b>83,274</b>	<b>83,274</b>
OR community & regulatory support .....	4,711	4,711
OR technology development and deployment .....	3,000	3,000
<b>Total, Oak Ridge Reservation</b> .....	<b>226,206</b>	<b>226,206</b>
<b>Savannah River Sites:</b>		
Nuclear Material Management .....	351,331	351,331
<b>Environmental Cleanup</b>		
Environmental Cleanup .....	166,105	166,105
<b>Construction:</b>		
18-D-402, Emergency Operations Center .....	1,259	1,259
<b>Total, Environmental Cleanup</b> .....	<b>167,364</b>	<b>167,364</b>
SR community and regulatory support .....	4,749	4,749
Radioactive liquid tank waste stabilization and disposition .....	805,686	752,105
<b>Construction:</b>		
18-D-401, SDU #8/9 .....	37,450	37,450
17-D-402—Saltstone Disposal Unit #7 .....	41,243	41,243
05-D-405 Salt waste processing facility, Savannah River Site .....	65,000	65,000
<b>Total, Construction</b> .....	<b>143,693</b>	<b>143,693</b>
<b>Total, Savannah River site</b> .....	<b>1,472,823</b>	<b>1,419,242</b>
<b>Waste Isolation Pilot Plant</b>		
Operations and maintenance .....	220,000	220,000
Central characterization project .....	19,500	19,500
Critical Infrastructure Repair/Replacement .....	46,695	46,695
Transportation .....	25,500	25,500
<b>Construction:</b>		
15-D-411 Safety significant confinement ventilation system, WIPP .....	84,212	84,212
15-D-412 Exhaust shaft, WIPP .....	1,000	1,000
<b>Total, Construction</b> .....	<b>85,212</b>	<b>85,212</b>

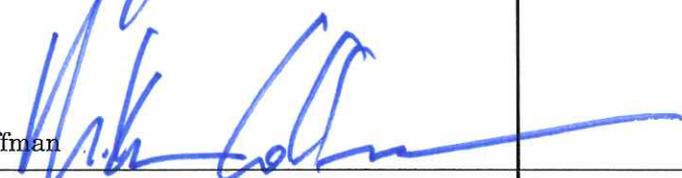
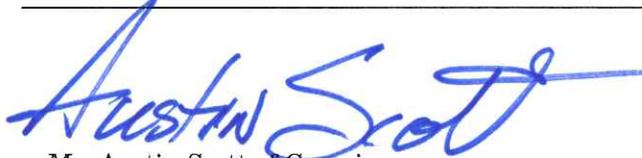
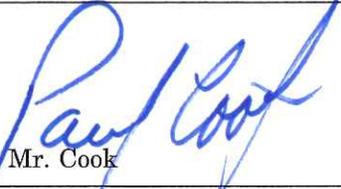
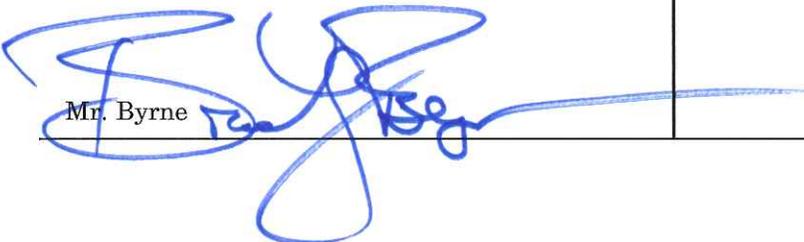
SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2019 Request	Conference Authorized
<b>Total, Waste Isolation Pilot Plant</b> .....	<b>396,907</b>	<b>396,907</b>
Program direction .....	300,000	300,000
Program support .....	6,979	6,979
Minority Serving Institution Partnership .....	6,000	6,000
<b>Safeguards and Security</b>		
Oak Ridge Reservation .....	14,023	14,023
Paducah .....	15,577	15,577
Portsmouth .....	15,078	15,078
Richland/Hanford Site .....	86,686	86,686
Savannah River Site .....	183,357	183,357
Waste Isolation Pilot Project .....	6,580	6,580
West Valley .....	3,133	3,133
<b>Total, Safeguards and Security</b> .....	<b>324,434</b>	<b>324,434</b>
Technology development .....	25,000	25,000
HQEF-0040—Excess Facilities .....	150,000	150,000
<b>Total, Defense Environmental Cleanup</b> .....	<b>5,630,217</b>	<b>5,626,636</b>
<b>Other Defense Activities</b>		
<b>Environment, health, safety and security</b>		
Environment, health, safety and security .....	135,194	135,194
Program direction .....	70,653	70,653
<b>Total, Environment, Health, safety and security</b> .....	<b>205,847</b>	<b>205,847</b>
<b>Independent enterprise assessments</b>		
Independent enterprise assessments .....	24,068	24,068
Program direction .....	52,702	52,702
<b>Total, Independent enterprise assessments</b> .....	<b>76,770</b>	<b>76,770</b>
Specialized security activities .....	254,378	254,378
<b>Office of Legacy Management</b>		
Legacy management .....	140,575	140,575
Program direction .....	18,302	18,302
<b>Total, Office of Legacy Management</b> .....	<b>158,877</b>	<b>158,877</b>
<b>Defense related administrative support</b>		
Chief financial officer .....	48,484	48,484
Chief information officer .....	96,793	96,793
Project management oversight and Assessments .....	8,412	8,412
<b>Total, Defense related administrative support</b> .....	<b>153,689</b>	<b>145,277</b>
Office of hearings and appeals .....	5,739	5,739
<b>Subtotal, Other defense activities</b> .....	<b>855,300</b>	<b>855,300</b>
Rescission of prior year balances (OHA) .....	-2,000	-2,000
<b>Total, Other Defense Activities</b> .....	<b>853,300</b>	<b>853,300</b>
<b>Defense Nuclear Waste Disposal</b>		
Yucca mountain and interim storage .....	30,000	0
Program cut .....		[-30,000]
<b>Total, Defense Nuclear Waste Disposal</b> .....	<b>30,000</b>	<b>0</b>

And the Senate agree to the same.

# H.R. 5515

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
From the Committee on Armed Services, for consideration of the House bill and the Senate amendment, and modifications committed to conference:	
 Mr. Thornberry	
 Mr. Wilson of South Carolina	
 Mr. LoBiondo	
 Mr. Bishop of Utah	
 Mr. Turner	
 Mr. Rogers of Alabama	
 Mr. Shuster	

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
 <p>Mr. Conaway</p>	
 <p>Mr. Lamborn</p>	
 <p>Mr. Wittman</p>	
 <p>Mr. Coffman</p>	
 <p>Mrs. Hartzler</p>	
 <p>Mr. Austin Scott of Georgia</p>	
 <p>Mr. Cook</p>	
 <p>Mr. Byrne</p>	

### H.R. 5515—Continued

*Managers on the part of the  
HOUSE*

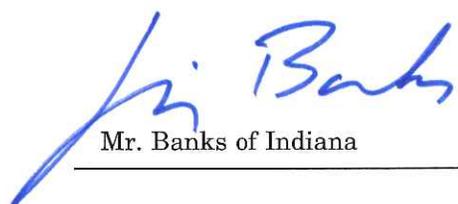
*Managers on the part of the  
SENATE*



Ms. Stefanik

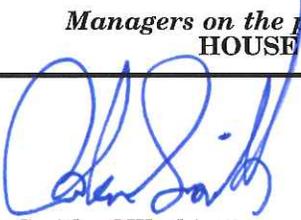
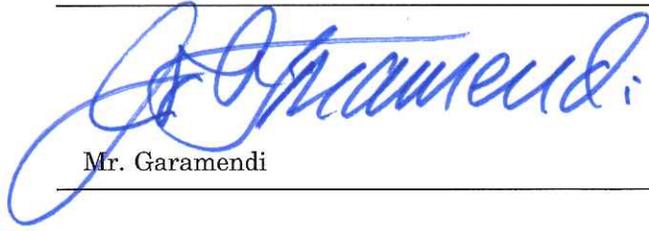


Mr. Bacon

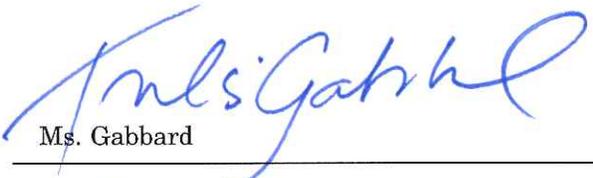


Mr. Banks of Indiana

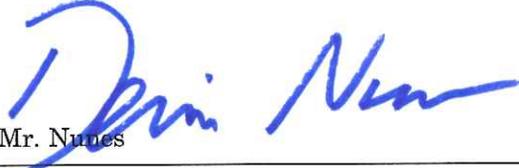
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
 Mr. Smith of Washington	
 Mrs. Davis of California	
 Mr. Langevin	
 Mr. Cooper	
 Ms. Bordallo	
 Mr. Courtney	
 Ms. Tsongas	
 Mr. Garamendi	

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
 Ms. Speier	
 Mr. Veasey	
 Ms. Gabbard	
 Mr. O'Rourke	
 Mrs. Murphy of Florida	

## H.R. 5515—Continued

<i>Managers on the part of the</i> <b>HOUSE</b>	<i>Managers on the part of the</i> <b>SENATE</b>
As additional conferees from the Permanent Select Committee on Intelligence, for consideration of matters within the jurisdiction of that committee under clause 11 of rule X:	
 Mr. Nunes	
 Mr. Stewart	
 Mr. Schiff	

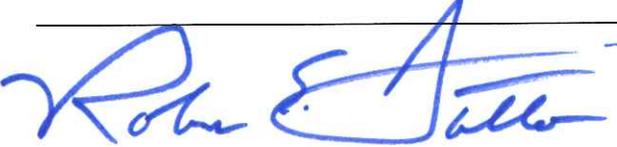
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on the Budget, for consideration of secs. 1252 and 1523 of the House bill, and secs. 4, 1002, 1032, and 1721 of the Senate amendment, and modifications committed to conference:	
Mr. Womack	
Mr. Yarmuth	

## H.R. 5515—Continued

<i>Managers on the part of the</i> <b>HOUSE</b>	<i>Managers on the part of the</i> <b>SENATE</b>
As additional conferees from the Committee on Education and the Workforce, for consideration of secs. 228, 563, 564, 1094, and 3120C of the House bill, and secs. 561-63 of the Senate amendment, and modifications committed to conference:	
 Ms. Foxx	
 Mr. Scott of Virginia	

## H.R. 5515—Continued

<i>Managers on the part of the</i> <b>HOUSE</b>	<i>Managers on the part of the</i> <b>SENATE</b>
From the Committee on Energy and Commerce, for consideration of title XVII of the Senate amendment, and modifications committed to conference:	
 Mr. Latta	
 Mr. Johnson of Ohio	

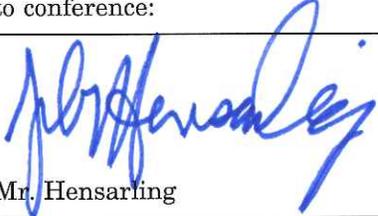
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Energy and Commerce, for consideration of secs. 701, 712, 1083, 1096, 3111-13, 3118, 3119, 3132, and 4305 of the House bill, and secs. 315, 601, 714, 3111-15, 5802, and 7509 of the Senate amendment, and modifications committed to conference:	
 Mr. Walden	
 Mr. Hudson	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Energy and Commerce, for consideration of secs. 701, 712, 1083, 1096, 3111-13, 3118, 3119, 3132, and 4305 of the House bill, and secs. 315, 601, 714, 3111-15, 5802, 7509, and title XVII of the Senate amendment, and modifications committed to conference:	
Mr. Pallone	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Financial Services, for consideration of 12990-2 and 1236 of the House bill, and title XVII of the Senate amendment, and modifications committed to conference:	
 Mr. Hensarling	
 Mr. Barr	
 Ms. Maxine Waters of California	

### H.R. 5515—Continued

*Managers on the part of the  
HOUSE*

*Managers on the part of the  
SENATE*

From the Committee on Foreign Affairs, for consid-  
eration of title XVII of the Senate amendment,  
and modifications committed to conference:



Mr. Kinzinger

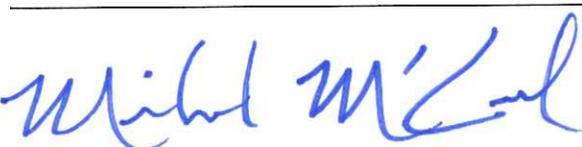
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
<p>As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202-06, 1210, 1211, 1221-23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254-56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O-1, 1299O-2, 1299O-3, 1299O-4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201-04, 1207, 1211, 1213, 1221-23, 1231-33, 1241, 1244, 1245, 1261, 1262, 1264-66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202-04, 6701, and 6702 of the Senate amendment, and modifications committed to conference:</p>	
 <p>Mr. Mast</p>	

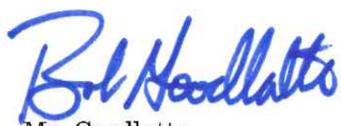
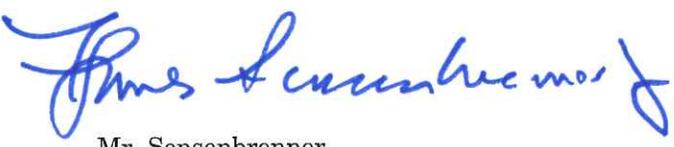
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
<p>As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202-06, 1210, 1211, 1221-23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254-56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O-1, 1299O-2, 1299O-3, 1299O-4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201-04, 1207, 1211, 1213, 1221-23, 1231-33, 1241, 1244, 1245, 1261, 1262, 1264-66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202-04, 6701, 6702, and title XVII of the Senate amendment, and modifications committed to conference:</p>	
 <p>Mr. Royce of California</p>	
	

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Homeland Security, for consideration of sec. 1634 of the House bill, and modifications committed to conference:	
 Mr. McCaul	
 Mr. Ratcliffe	
	

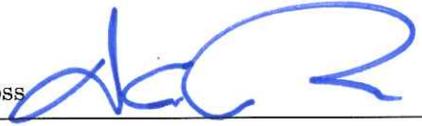
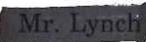
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on the Judiciary, for consideration of secs. 826, 1043, 1050B, 1073, 1074, 1079, 1085, 1087, 1090, 1299O-2, 4319, and 4710 of the House bill, and secs. 1025, 1035 and 1715 of the Senate amendment, and modifications committed to conference:	
 Mr. Goodlatte	
 Mr. Sensenbrenner	
 Mr. Nadler	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Natural Resources, for consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 2822, 2830, 2830A, 2831, 2832, 2845-47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill, and secs. 601, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:	
 Mr. Westerman	
	

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Oversight and Government Reform, for consideration of secs. 506, 511, 569, 822, 831, 832, 834, 835, 860, 875, 880-84, 886, 917, 1101-11, 4711, and 4829 of the House bill, and secs. 568, 595, 607, 632, 702, 813, 902, 937, 1101-05, 1122-25, 1254B, 1628, 1639, 1640, 1716, 1726, 2835, and 6702 of the Senate amendment, and modifications committed to conference:	
 Mr. Sanford	
 Mr. Ross	
 Mr. Lynch	

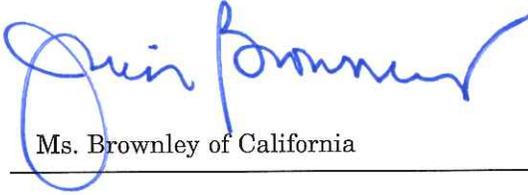
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Science, Space, and Technology, for consideration of secs. 854, 858, and 1603 of the House bill, and secs. 893 and 1604 of the Senate amendment, and modifications committed to conference:	
 Mr. Smith of Texas	
 Mr. Lucas	
Ms. Eddie Bernice Johnson of Texas	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Small Business, for consideration of secs. 811, 851-58, 861, 863-68, and 2803 of the House bill, and secs. 893, 1626, and 6006 of the Senate amendment, and modifications committed to conference:	
 Mr. Chabot	
	
	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Transportation and Infrastructure, for consideration of secs. 518, 554, 883, 1044, 1049, 1050B, 1075, 1095, 1111, 2848, 3501, 3504, 3522-25, 3528, 3529, and division D of the House bill, and secs. 153, 556, 601, 1604, 3501, 3502, 7501, 7502, 7507-09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:	
 Mrs. Comstock	
 Ms. Brownley of California	

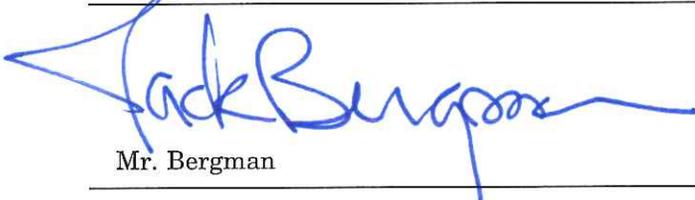
### H.R. 5515—Continued

<i>Managers on the part of the</i> <b>HOUSE</b>	<i>Managers on the part of the</i> <b>SENATE</b>
As additional conferees from the Committee on Veterans' Affairs, for consideration of secs. 547, 552, 582, 1411, and 2844 of the House bill, and secs. 721, 726, and 1431 of the Senate amendment, and modifications committed to conference:	
 Mr. Roe of Tennessee	
 Mr. Poliquin	
 Mr. Walz	

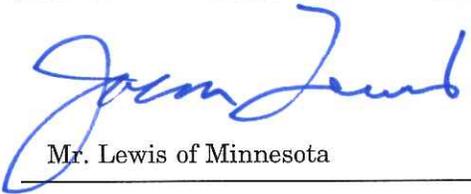
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Ways and Means, for consideration of sec. 701 of the House bill, and sec. 6201 of the Senate amendment, and modifications committed to conference:	
 Mr. Reichert	
 Mr. Roskam	
 Mr. Neal	

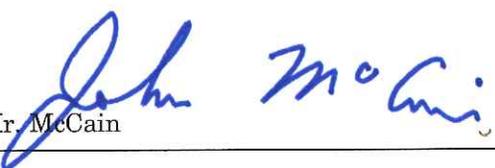
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
For consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 1252, 1523, 2822, 2830, 2830A, 2831, 2832, 2845-47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill and secs. 4, 601, 1002, 1032, 1721, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:	
 Mr. Bergman	

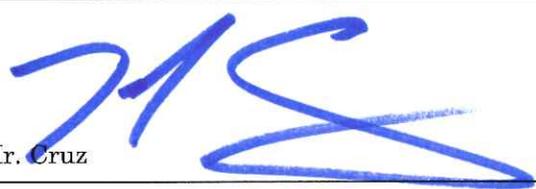
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
For consideration of secs. 228, 518, 554, 563, 564, 883, 1044, 1049, 1050B, 1075, 1094, 1095, 1111, 2848, 3120C, 3501, 3504, 3522-25, 3528, 3529, and division D of the House bill and secs. 153, 556, 561-63, 601, 1604, 3501, 3502, 7501, 7502, 7507-09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:	
 Mr. Lewis of Minnesota	

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. McCain
	 Mr. Inhofe
	 Mr. Wicker
	 Mrs. Fischer
	 Mr. Cotton
	 Mr. Rounds
	 Mrs. Ernst
	 Mr. Tillis

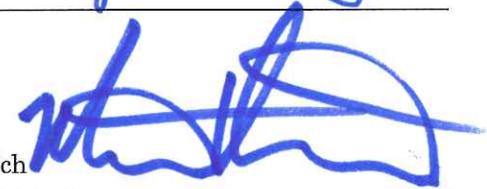
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. Sullivan
	 Mr. Perdue
	 Mr. Cruz
	 Mr. Graham
	 Mr. Sasse
	 Mr. Scott
	 Mr. Crapo
	 Mr. Reed

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. Nelson
	 Mrs. McCaskill
	 Mrs. Shaheen
	 Mrs. Gillibrand
	 Mr. Blumenthal
	 Mr. Donnelly
	 Ms. Hirono
	 Mr. Kaine

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. King
	 Mr. Heinrich
	Ms. Warren
	 Mr. Peters
	 Mr. Brown

## JOINT EXPLANATORY STATEMENT OF THE COMMITTEE OF CONFERENCE

The managers on the part of the House and the Senate at the conference on the disagreeing votes of the two Houses on the amendment of the Senate to the bill (H.R. 5515), to authorize appropriations for fiscal year 2019 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes, submit the following joint statement to the House and the Senate in explanation of the effect of the action agreed upon by the managers and recommended in the accompanying conference report:

The Senate amendment struck all of the House bill after the enacting clause and inserted a substitute text.

The House recedes from its disagreement to the amendment of the Senate with an amendment that is a substitute for the House bill and the Senate amendment. The differences between the House bill, the Senate amendment, and the substitute agreed to in conference are noted below, except for clerical corrections, conforming changes made necessary by agreements reached by the conferees, and minor drafting and clarifying changes.

*Compliance with rules of the House of Representatives and Senate regarding earmarks and congressionally directed spending items*

Pursuant to clause 9 of rule XXI of the Rules of the House of Representatives and Rule XLIV(3) of the Standing Rules of the Senate, neither this conference report nor the accompanying joint statement of managers contains any congressional earmarks, congressionally directed spending items, limited tax benefits, or limited tariff benefits, as defined in such rules.

*Summary of discretionary authorizations and budget authority implication*

The budget request for national defense discretionary programs within the jurisdiction of the Committees on Armed Services of the Senate and the House of Representatives for fiscal year 2019 was \$708.1 billion. Of this amount, \$617.1 billion was requested for base Department of Defense programs, \$69.0 billion was requested for overseas contingency operations, \$21.8 billion was requested for national security programs in the Department of Energy and the Defense Nuclear Facilities Safety Board, and \$214.0 million for defense-related activities.

The conference agreement would authorize \$708.1 billion in fiscal year 2019, including \$616.9 billion for base Department of Defense programs, \$69.0 billion for overseas contingency operations, \$21.9 billion for national security programs in the Department of Energy and the Defense Nuclear Facilities Safety Board, and \$300.0 million for defense-related activities.

The two tables preceding the detailed program adjustments in Division D of the accompanying joint statement of managers summarize the discretionary authorizations in the agreement and the equivalent budget authority levels for fiscal year 2019 defense programs.

*Budgetary effects of this Act (sec. 4)*

The Senate amendment contained a provision (sec. 4) that would require that the budgetary effects of this Act be determined in accordance with the procedures established in the Statutory Pay-As-You-Go Act of 2010 (title I of Public Law 111-139).

The House bill contained no similar provision.

The House recedes.

# **DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS**

## **TITLE I—PROCUREMENT**

### **BUDGET ITEMS**

#### *Columbia-class submarine advance procurement*

The budget request included \$3.0 billion in line item 1 of Shipbuilding and Conversion, Navy for *Columbia*-class submarine advance procurement.

The House bill would authorize an increase of \$82.7 million above the request.

The Senate amendment would authorize the funding level in the request.

The agreement authorizes an increase of \$237.0 million above the request.

The conferees' intent in authorizing additional funds for submarine industrial base expansion is to ensure second- and third-tier contractors are able to meet increased production requirements.

The conferees direct the Secretary of the Navy to notify the congressional defense committees within 30 days of obligating funds provided for submarine industrial base expansion of the: obligation date, contractor name or names, location, description of the shortfall to be addressed, actions to be undertaken, desired end state, usable end items to be procured, period of performance, dollar amount, projected associated savings including business case analysis if applicable, contract name, and contract number.

The conferees believe that expanding the capabilities of the second- and third-tier contractors in the submarine industrial base should lead to greater cost savings and improved efficiency as production increases to meet the *Columbia*-class schedule and higher requirement for *Virginia*-class attack submarines in the Navy's latest Force Structure Assessment.

### **SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS**

#### *Authorization of appropriations (sec. 101)*

The House bill contained a provision (sec. 101) that would authorize appropriations for procurement at the levels identified in section 4101 of division D of this Act.

The Senate amendment contained a similar provision (sec. 101).

The House recesses.

## **SUBTITLE B—ARMY PROGRAMS**

### *National Guard and reserve component equipment report (sec. 111)*

The House bill contained a provision (sec. 111) that would require a joint assessment by the Army and National Guard on efforts to achieve parity among the active component, the Army Reserve, and the Army National Guard with respect to equipment and capabilities.

The Senate amendment contained no similar provision.

The Senate recesses.

### *Deployment by the Army of an interim cruise missile defense capability (sec. 112)*

The Senate amendment contained a provision (sec. 111) that would direct the Army to procure an alternate short-term option to fill its cruise missile defense gap with existing systems and accelerate the Indirect Fire Protection Capability (IFPC) system independently of Integrated Air and Missile Defense Battle Command System (IBCS) deployment, leveraging entities such as the Defense Digital Service or the Defense Innovation Unit Experimental, and to report the determination of that short-term option to the congressional defense committees no later than 90 days after the enactment of this Act.

The House bill contained no similar provision.

The House recesses with an amendment that would require the Secretary of Defense to certify the need for the Army to fill the gap in cruise missile defense prior to deployment of such a capability, subject to appropriations. Further, the amendment would urge the Army to consider a range of directed energy solutions for the deployment of the 2023 interim capability deployment date and remove the requirement for locations of deployment for such a capability.

The conferees are deeply concerned about the paucity of land-based cruise missile defense capabilities and the Army's corresponding inability to adequately protect the joint force's fixed site systems, such as airfields and logistical depots. Integrated air and missile defense is critical for joint operations, but assets are not currently ready to counter an

adversary's potential complex, integrated attack, thus leaving critical assets vulnerable. As outlined by the National Defense Strategy, cruise missile defense is a critical capability to defend against Russian and Chinese threats. Without this capability, the committee is concerned the U.S. Army will fail to successfully perform its mission to protect the joint force.

For these reasons, the conferees strongly urge the Army to consider deployment of the interim capability be prioritized in locations for deployment of air bases and significant fixed site locations in Europe and Asia for the purpose of the protection of such bases and locations against potential cruise missile threats. The conferees further recommend that the Army consider force structure requirements for the interim capability and plan accordingly in order to ensure full support of such a system once deployed.

## **SUBTITLE C—NAVY PROGRAMS**

*Procurement authority for Ford class aircraft carrier program (sec. 121)*

The House bill contained a provision (sec. 122) that would authorize the construction of one *Ford*-class aircraft carrier designated CVN-81.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require a certification prior to awarding a contract authorized by this provision.

The conferees note that the Department of Defense has been able to achieve program efficiencies and cost savings by using multiyear and block buy contracting with many weapons programs, to include shipbuilding. If the Department of the Navy intends to pursue a two-ship procurement of CVN-80 and CVN-81 outside the title 10, United States Code, parameters for a multiyear contract, the conferees expect that entering into such contract would be based on rigorous analysis with a sound business case and substantial savings.

Earlier this year, the Navy issued a request for proposal soliciting information on a potential contract to acquire two *Ford*-class aircraft carriers (CVN-80 and CVN-81). The conferees are disappointed that no related information was provided to the congressional defense committees to enable fulsome consideration of the associated required legislative authorities during the development of the National Defense Authorization Act for Fiscal Year 2019.

Nonetheless, the conferees believe a two-ship procurement of CVN-80 and CVN-81 could result in significant cost savings. Accordingly, this provision would provide the necessary authorities for implementing such an approach, if the Secretary of Defense certifies supporting analysis prepared and provided by the milestone decision authority for the carrier replacement program, which is the Department of the Navy Service Acquisition Executive.

It is the conferees' intent that the Secretary of Defense review such analysis and, if the Secretary deems it appropriate, make the certification without performing any separate cost assessments or analyses. The conferees view such a process as consistent with ongoing efforts to reduce the time associated with acquisition decisions, push acquisition authorities and accountability to the Services, and ensure that the Secretary of Defense retains visibility and ultimate authority over acquisition matters in the Department.

*Full ship shock trial for Ford class aircraft carrier (sec. 122)*

The House bill contained a provision (sec. 123) that would ensure that full ship shock trials results are incorporated in the construction of the *Ford*-class aircraft carrier designated CVN-81.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Sense of Congress on accelerated production of aircraft carriers (sec. 123)*

The House bill contained a provision (sec. 121) that would express the sense of Congress as to aircraft carrier force structure. Additionally, this section would modify section 5062 of title 10, United States Code, by increasing the required aircraft carrier force structure from 11 to 12 operational aircraft carriers by September 30, 2022.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would express the sense of Congress on accelerated production of aircraft carriers.

*Multiyear procurement authority for standard missile-6 (sec. 124)*

The House bill contained a provision (sec. 125) that would authorize the Secretary of the Navy to enter into one or more multiyear contracts for 625 Standard Missile-6 missiles

beginning in fiscal year 2019, in accordance with section 2306b of title 10, United States Code.

The Senate amendment contained a similar provision (sec. 125) that would authorize the Secretary of the Navy to enter into multiyear contracts beginning in fiscal year 2019 for the procurement of 625 Standard Missile-6 guided missiles pending the Director of Cost Assessment and Program Evaluation confirmation of the Secretary of the Navy's preliminary findings as required in subsection a of section 2306b of title 10, United States Code.

The Senate recedes with a technical amendment.

*Multiyear procurement authority for E-2D aircraft (sec. 125)*

The House bill contained a provision (sec. 126) that would authorize multiyear procurement for E-2D aircraft.

The Senate amendment contained a similar provision (sec. 122).

The Senate recedes.

*Multiyear procurement authority for F/A-18E/F aircraft and EA-18G aircraft (sec. 126)*

The House bill contained a provision (sec. 127) that would authorize multiyear procurement for F/A-18E/F and EA-18G aircraft.

The Senate amendment contained a similar provision (sec. 121).

The Senate recedes.

*Modifications to F/A-18 aircraft to mitigate physiological episodes (sec. 127)*

The House bill contained a provision (sec. 128) that would require the Secretary of the Navy to modify F/A-18 aircraft to reduce the occurrence of, and mitigate the risk posed by, physiological episodes affecting F/A-18 crewmembers.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the requirement for the installation of an automatic ground collision avoidance system.

The conferees expect EA-18G aircraft to also receive the modifications required in this provision.

*Frigate class ship program (sec. 128)*

The House bill contained a provision (sec. 129) that would require, as part of the solicitation for proposals for the procurement of any frigate class ship, that the Secretary of the Navy require offerors to submit proposals that provide for conveying technical data to the government. Additionally, this provision would require the Secretary of the Navy to ensure that the government's technical data rights are sufficient to allow for specified follow-on activities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the requirement for the Secretary of the Navy to ensure that the government's technical data rights are sufficient to allow for specified follow-on activities and clarify the conditions under which technical data shall be provided to the government.

The conferees' intent is to obtain sufficient technical data to ensure the Navy has the option to compete the winning frigate design in the future for production by at least one additional shipbuilder, if the Navy's inventory objective for FFG(X)-class ships merits such expansion. The conferees note that the benefits of two shipbuilders building the same ship design have been demonstrated in both the DDG-51 and CG-47 classes. The conferees do not intend for the winning frigate offeror to provide technical data beyond what is needed for a single-design, multiple-shipbuilder frigate acquisition strategy or otherwise authorized by law.

*Contract requirement for Virginia class submarine program (sec. 129)*

The House bill contained a provision (sec. 130) that would modify section 124 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to prohibit the Secretary of the Navy from entering into economic order quantity contracts for the *Virginia*-class submarine program until the Secretary certifies that such funding shall be used to enter into economic order quantities for 12 *Virginia*-class submarines.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of the Navy to ensure that an option to procure one additional *Virginia*-class submarine in each of fiscal years 2022 and 2023 is included in the associated multiyear procurement contract award planned for fiscal year 2019.

*Prohibition on availability of funds for Navy port waterborne security barriers (sec. 130)*

The Senate contained a provision (sec. 124) that would prohibit funds from being used to procure new Navy port waterborne security barriers unless the Secretary of the Navy submits a waiver to the congressional defense committees.

The House bill contained no similar provision.

The House recesses with an amendment that would apply the prohibition of funds to legacy barriers; exempt the sustainment, refurbishment, and replacement of portions of existing waterborne security barriers; and exempt the procurement of new barriers due to exigent circumstances.

*Extension of limitation on use of sole-source shipbuilding contracts for certain vessels (sec. 131)*

The Senate amendment contained a provision (sec. 123) that would extend to include fiscal year 2019 in the prohibition on funds from being used to enter into, or prepare to enter into, sole source contracts for one or more Joint High Speed Vessels or Expeditionary Fast Transports, unless the Secretary of the Navy submits to the congressional defense committees a certification and a report.

The House bill contained no similar provision.

The House recesses.

*Limitation on availability of funds for M27 Infantry Automatic Rifle program (sec. 132)*

The House bill contained a provision (sec. 112) that would prohibit the obligation and expenditure of not more than 80 percent of the funds for the Marine Corps M27 Infantry Automatic Rifle program until a report is submitted to the congressional defense committees on the service's assessment of the Army's Small Arms Ammunition Configuration study and the service's near- and long-term small arms modernization strategy.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on degaussing standards for DDG-51 destroyers (sec. 133)*

The House bill contained a provision (sec. 131) that would limit expenditures of Shipbuilding and Conversion, Navy, for DDG-51 destroyers until the Secretary of the Navy submits a report as to incorporating degaussing standards into the destroyer program.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require a report on degaussing standards for *Arleigh Burke*-class destroyers.

## **SUBTITLE D—AIR FORCE PROGRAMS**

*Inventory requirement for air refueling tanker aircraft; limitation on retirement of KC-10A aircraft (sec. 141)*

The House bill contained a provision (sec. 141) that would require the Department of the Air Force to maintain a total primary assigned aircraft inventory of air refueling tanker aircraft of not less than 479. The provision would also place limitations on the retirement of KC-10A aircraft.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would change the inventory requirement to 479 total aircraft.

*Multiyear procurement authority for C-130J aircraft program (sec. 142)*

The House bill contained a provision (sec. 145) that would provide multiyear procurement authority for C-130J aircraft.

The Senate amendment contained a similar provision (sec. 151).

The House recesses.

*Contract for logistics support for VC-25B aircraft (sec. 143)*

The House bill contained a provision (sec. 144) that would ensure any contract for logistics support for the VC-25B aircraft adheres to United States Code and the Federal Acquisition Regulation.

The Senate amendment contained no similar provision.

The Senate recesses.

*Retirement date for VC-25A aircraft (sec. 144)*

The House bill contained a provision (sec. 143) that would set the retirement date of the VC-25A aircraft at not later than December 31, 2025.

The Senate amendment contained no similar provision.

The Senate recesses.

*Repeal of funding restriction for EC-130H Compass Call  
Recapitalization Program (sec. 145)*

The Senate amendment contained a provision (sec. 143) that would repeal Section 131 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat. 2037) and require the Secretary of the Air Force to provide to the congressional defense committees periodic reports on the EC-130H Compass Call Recapitalization program and opportunities to accelerate the program.

The House bill contained no similar provision.

The House recesses with an amendment that would eliminate the required reports.

The conferees expect to be regularly updated on the status and progress of the Compass Call Recapitalization program. The conferees expect such updates to include, at a minimum: 1) a program status update; 2) a description of potential opportunities to accelerate the program and their associated funding requirements; and 3) a current assessment of the aircraft's operational effectiveness.

*Limitation on use of funds for KC-46A aircraft pending submittal  
of certification (sec. 146)*

The House bill contained a provision (sec. 142) that would limit the funds available for three KC-46A aircraft.

The Senate amendment contained no similar provision.

The Senate recesses.

*Limitation on availability of funds for retirement of E-8 JSTARS  
Aircraft (sec. 147)*

The House bill contained a provision (sec. 214) that would restrict the obligation of funding for the Advanced Battle Management System (ABMS) of systems initiative of the Air Force, as well as a portion of the proposed divestment of legacy E-8C Joint Surveillance Target Attack Radar System (JSTARS) aircraft contained in the fiscal year 2019 budget request. The restriction would remain in effect until the Secretary of the Air Force certifies that the JSTARS Recapitalization (Recap) program is proceeding as previously planned. The provision would also require the Comptroller General of the United States and the Secretary of the Air Force to provide reports to the congressional defense committees on ABMS, JSTARS Recap, and the legacy JSTARS fleet.

The Senate amendment contained a similar provision (sec. 141) that would prohibit the availability of funds to retire, or prepare to retire, any E-8 JSTARS aircraft.

The House recedes with an amendment that would limit retirement of legacy E-8C until Increment 2 of the Advanced Battle-Management System of the Air Force declares Initial Operational Capability. The amendment would also require the Secretary of Defense to certify that the Secretary of the Air Force is: taking all reasonable steps to ensure the legacy E-8C continues to meet all safety of flight requirements and that the Air Force is taking steps to increase the legacy JSTARS fleet's aircraft availability and capacity provided to combatant commanders. The amendment would also require reports be submitted to the congressional defense committees by the Secretary of the Air Force on the legacy E-8C fleet and by the Comptroller General of the United States on ABMS.

Finally, the conferees direct the Director, Cost Assessment and Program Evaluation, Office of the Secretary of Defense, to provide the congressional defense committees a report no later than February 5, 2019, on a cost, schedule, and implementation plan for restarting the dormant legacy E-8C re-engining program that the Air Force originally initiated in 2007. The conferees understand the Secretary of the Air Force procured three ship-sets of engines, after investing \$450.0 million, and the engines remain unused. The conferees note that the legacy E-8C engines are the number one issue driving excessive non-mission capable maintenance metrics for the E-8C fleet.

*Report on modernization of B-52H aircraft systems (sec. 148)*

The Senate amendment contained a provision (sec. 142) that would require the Secretary of the Air Force to submit a report on the long-term modernization of the B-52H aircraft.

The House bill contained no similar provision.

The House recedes.

The conferees note that the Air Force submitted a report on B-52 modernization in February 2018. However, that report did not include elements that the conferees believe to be important considerations, particularly in light of the Air Force's decision to continue operating the B-52 for the long-term. Such considerations include secure, jam-resistant communications, future weapons and targeting capabilities, and mission planning systems.

## **SUBTITLE E—DEFENSE-WIDE, JOINT, AND MULTISERVICE MATTERS**

*Procurement authority for additional icebreaker vessels (sec. 151)*

The Senate amendment contained a provision (sec. 153) that would amend section 122 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) by striking subsections (a) and (b), as well as providing authority to enter into a contract or contracts for up to six polar-class icebreakers.

The House bill contained no similar provision.

The House recedes with an amendment that would provide the secretary of the department in which the Coast Guard is operating the authority to enter into a contract or contracts for the procurement of up to five additional polar-class icebreakers and express the sense of Congress regarding polar-class icebreakers.

The conferees note that section 207 of the Coast Guard Authorization Act of 2015 (Public Law 114-120) provided authority for the Commandant of the Coast Guard to enter into a contract or contracts for the acquisition of polar icebreakers and associated equipment using incremental funding. The conferees further note the Fiscal Years 2019 through 2023 Future Years Homeland Security Program includes \$1.8 billion to fully fund 3 icebreakers. The conferees understand that additional Department of Defense funds are not required to procure icebreakers for the foreseeable future. The conferees support the Coast Guard's stated goal of building six icebreakers and believe achieving this objective should be accomplished as expeditiously as possible.

*Buy-to-budget acquisition of F-35 aircraft (sec. 152)*

The House bill contained a provision (sec. 151) that would permit the Department of Defense to exercise buy-to-budget authority for the F-35 Joint Strike Fighter.

The Senate amendment contained no similar provision.  
The Senate recedes.

*Certification on inclusion of technology to minimize  
physiological episodes in certain aircraft (sec. 153)*

The House bill contained a provision (sec. 152) that would require the Secretary of the Navy and the Secretary of the Air

Force, prior to entering into a contract for the procurement of a fighter, attack, or fixed-wing training aircraft, to certify that the aircraft to be procured would include the most recent technological advancements necessary to minimize the impact of physiological episodes on aircraft crewmembers.

The Senate amendment contained no similar provision.

The Senate recesses.

*Armored commercial passenger-carrying vehicles (sec. 154)*

The House bill contained a provision (sec. 153) that would require the implementation of recommendations made in the Government Accountability Office report, GAO-17-513, titled, "Armored Commercial Vehicles: DOD Has Procurement Guidance, but Army Could Take Actions to Enhance Inspections and Oversight." The provision would also require the Secretary of the Army to provide to the congressional defense committees a briefing on the progress of implementation efforts.

The Senate amendment contained no similar provision.

The Senate recesses.

*Quarterly updates on the F-35 Joint Strike Fighter program (sec. 155)*

The Senate amendment contained a provision (sec. 152) that would require the Under Secretary of Defense for Acquisition and Sustainment to provide quarterly briefings to the congressional defense committees on the status and progress of the F-35 Joint Strike Fighter program.

The Senate amendment contained another provision (sec. 5103) that would add an element addressing F-35 sustainment to the quarterly briefings.

The House bill contained no similar provision.

The House recesses with an amendment that would bring forward the sunset of the provision from October 1, 2024 to October 1, 2022.

**LEGISLATIVE PROVISIONS NOT ADOPTED**

*Multiyear procurement authority for amphibious vessels*

The House bill contained a provision (sec. 124) that would authorize the Secretary of the Navy to enter into a multiyear procurement for up to five *San Antonio*-class amphibious transport dock ships with a Flight II configuration.

The Senate amendment contained no similar provision.

The House recesses.

The conferees urge the Secretary of the Navy to utilize a multiyear procurement strategy for *San Antonio*-class amphibious transport ships with a Flight II configuration in the President's budget request for fiscal year 2020.

*Limitation on availability of funds for the Littoral Combat Ship*

The Senate amendment contained a provision (sec. 126) that would prohibit funds from being used to exceed the total procurement quantity listed in revision five of the Littoral Combat Ship acquisition strategy unless the Under Secretary of Defense for Acquisition and Sustainment submits to the congressional defense committees a certification.

The House bill contained no similar provision.  
The Senate recesses.

*Nuclear refueling of aircraft carriers*

The Senate amendment contained a provision (sec. 127) that would authorize the procurement of naval nuclear reactor power units and associated reactor components for the nuclear refueling of specified aircraft carriers.

The House bill contained no similar provision.  
The Senate recesses.

*Limitation on funding for Amphibious Assault Vehicle Product Improvement Program*

The Senate amendment contained a provision (sec. 128) that would limit 25 percent of funds authorized for Amphibious Assault Vehicle product improvement program from being obligated or expended until the Secretary of Defense provided a required report on the highest priority roles and missions of the Armed Forces.

The House bill contained no similar provision.  
The Senate recesses.

*Removal of waiting period for limitation on availability of funds for EC-130H Compass Call recapitalization program*

The House bill contained a provision (sec. 146) that would remove the waiting period for the limitation on availability of funds for EC-130H Compass Call recapitalization that was put in place in section 135(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law-91).

The Senate amendment contained no similar provision.  
The House recesses.

*Findings and sense of Congress regarding KC-46 aerial refueling tankers*

The House bill contained a provision (sec. 147) that would express the sense of Congress on the KC-46A aircraft.

The Senate amendment contained no similar provision.

The House recesses.

The conferees support, once KC-46A aircraft deliveries begin, the acceptance of aircraft by the Air Force as quickly as practicable. Therefore, the conferees direct the Secretary of the Air Force to provide a report to the congressional defense committees, not more than 90 days after the enactment of this Act, describing potential courses of action to enable the Air Force to accept KC-46A aircraft at a rate higher than the planned 3 aircraft per month.

*Sense of Congress on conversion of F-22 aircraft*

The House bill contained a provision (sec. 148) that would express the sense of Congress regarding the conversion of F-22 Block 20 aircraft.

The Senate amendment contained no similar provision.

The House recesses.

The conferees agree that, should future Air Force budgets be sufficient to permit, the Secretary of the Air Force should accelerate modernization of the F-22 Block 20 training and test aircraft as quickly as possible.

## **TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

### **SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS**

*Authorization of appropriations (sec. 201)*

The House bill contained a provision (sec. 201) that would authorize appropriations for research, development, test, and evaluation at the levels identified in section 4201 of division D of this Act.

The Senate amendment contained a similar provision (sec. 201).

The House recesses.

## **SUBTITLE B—PROGRAM REQUIREMENTS, RESTRICTIONS, AND LIMITATIONS**

### *Modification of authority to carry out certain prototype projects (sec. 211)*

The House bill contained a provision (sec. 211) that would make modifications to section 2371b of title 10, United States Code, regarding use of transactions other than contracts and grants for follow-on production.

The Senate amendment contained a provision (sec. 871) that would clarify the congressional notification requirements for the use of other transactions.

The House recedes with an amendment that would clarify that the follow-on production of a prototype or subproject within a consortium may occur as the Department of Defense determines that each individual prototype or subproject is complete and does not require that all projects associated with the consortium be complete before moving on to follow-on production.

### *Extension of directed energy prototype authority (sec. 212)*

The House bill contained a provision (sec. 212) that would extend the directed energy prototype authority provided for in section 219(c)(4) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) through fiscal year 2019.

The Senate amendment contained no similar provision.

The Senate recedes.

### *Prohibition on availability of funds for the Weather Common Component program (sec. 213)*

The House bill contained a provision (sec. 213) that would prohibit funding for the Weather Common Component program and require a report on Department of Defense meteorological sensors.

The Senate amendment contained no similar provision.

The Senate recedes.

### *Limitation on availability of funds for F-35 continuous capability development and delivery (sec. 214)*

The House bill contained a provision (sec. 215) that would limit the availability of funds for the F-35 Continuous Capability Development and Delivery program until the Secretary

of Defense provides a detailed cost estimate and baseline schedule for the program.

The Senate amendment contained no similar provision.

The Senate recesses.

*Limitation on availability of funds pending report on agile software development and software operations (sec. 215)*

The House bill contained a provision (sec. 216) that would limit funds for the Air Force pending a report on how agile software development and software operations methods are being used to modernize Air and Space Operations Centers.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment modifying and adding certain elements to the report.

The conferees note this program is a pathfinder for the Air Force and the Department of Defense with respect to realigning a major program to incorporate certain agile and incremental development methods, which the conferees support. As such the conferees are keenly interested in how the Department implements such methods, to ensure good principles of management and oversight are incorporated. In particular, given how frequently the program is delivering features, it is important to maintain transparency into costs and capability delivered to ensure that risks and overall return on investment are fully understood.

*Limitation on availability of funds for certain high energy laser advanced technology (sec. 216)*

The House bill contained a provision (sec. 217) that would limit the availability of 50 percent of the funds authorized to be appropriated by this Act, or otherwise made available for fiscal year 2019, until the Secretary of Defense provides the High Energy Laser roadmap and assessment to the congressional defense committees.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would limit the scope of the deliverables to the roadmap.

*Plan for the Strategic Capabilities Office of the Department of Defense (sec. 217)*

The House bill contained a provision (sec. 218) that would direct the Secretary of Defense to submit a plan to the congressional defense committees by March 1, 2019, for the elimination or transfer of the functions of the Strategic

Capabilities Office to another organization or element of the Department of Defense.

The Senate amendment contained a similar provision (sec. 908) that would restrict the ability of the Secretary of Defense to terminate or transfer the functions of the Strategic Capabilities Office until specific conditions are met and certified to the congressional defense committees.

The Senate recedes with an amendment that would direct the Secretary of Defense to submit a plan to eliminate, transfer the functions of, or retain the Strategic Capabilities Office of the Department of Defense.

*National Defense Science and Technology Strategy (sec. 218)*

The House bill contained a provision (sec. 219) that would direct the Secretary of Defense to develop a National Security Science and Technology Strategy to prioritize Department of Defense science and technology efforts and investments.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would add further elements to the report.

*Modification of CVN-73 to support fielding of MQ-25 unmanned aerial vehicle (sec. 219)*

The House bill contained a provision (sec. 220) that would require the Navy to modify CVN-73 during its Refueling and Complex Overhaul (RCOH) to support the fielding of the MQ-25 unmanned aerial vehicle.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Navy to complete the necessary modifications to CVN-73's compartments and infrastructure for MQ-25 alterations during the ship's RCOH in order to allow completion of MQ-25 modifications and receipt of MQ-25 equipment in a single follow-on ship maintenance period.

The conferees believe that once fielded, the Navy should prioritize deploying the MQ-25 to the Pacific area of operations. In order to enable such deployments, the conferees believe that it is imperative that CVN-73, as the potential next forward deployed aircraft carrier, undergo the necessary modifications and alterations during its RCOH to enable MQ-25 operations as soon as practicable. However, the conferees are aware that completing all of the necessary modifications during the RCOH might put its timely completion at risk.

Therefore, the conferees direct the Navy to complete the necessary MQ-25 modifications during CVN-73's RCOH that would

enable the completion of modifications and receipt of equipment during a single follow-on maintenance availability. Nothing in this language should be interpreted as prohibiting the full installation of MQ-25 alterations and equipment during RCOH should developments allow it.

Additionally, the conferees expect future Navy budgets will support this plan.

*Establishment of innovators information repository in the Department of Defense (sec. 220)*

The House bill contained a provision (sec. 220A) that would direct the Secretary of Defense to establish an innovators database within the Department of Defense.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would specify the involvement of the Defense Technical Information Center and use the term "information repository" in lieu of "database."

*Strategic plan for Department of Defense test and evaluation resources (sec. 221)*

The House bill contained a provision (section 220B) that would amend the strategic plan for Department of Defense (DOD) test and evaluation resources.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the reporting requirements within the strategic plan.

The conferees note the importance of the test and evaluation enterprise. In keeping with the National Defense Strategy, the conferees direct the Under Secretary of Defense for Research and Engineering to coordinate with the appropriate officials to ensure that the strategic plan for DOD Test and Evaluation resources incorporates current and emerging threats. The strategic plan will help ensure that test and evaluation facilities and requirements are appropriately resourced.

*Collaboration between Defense laboratories, industry and academia; open campus program (sec. 222)*

The House bill contained a provision (sec. 220C) that would allow the Secretary of Defense to carry out activities to prioritize innovative collaboration between Department of Defense laboratories, industry, and academia.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would expand the scope of the provision to include all military departments.

*Permanent extension and codification of authority to conduct technology protection features activities during research and development of defense systems (sec. 223)*

The House bill contained a provision that would codify the authority to conduct technology protection features activities during research and development of defense systems.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make the provision more directive.

*Codification and reauthorization of Defense Research and Development Rapid Innovation Program (sec. 224)*

The Senate amendment contained a provision (sec. 211) that would codify the Rapid Innovation Program and would clarify elements of the program, including funding levels and policy surrounding broad agency announcements.

The House bill contained no similar provision.

The House recedes.

*Procedures for rapid reaction to emerging technology (sec. 225)*

The Senate amendment contained a provision (sec. 212) that would direct the Secretary of Defense to prescribe a procedure for the designation and development of urgently needed emerging technology research.

The House bill contained no similar provision.

The House recedes with an amendment that would add a briefing requirement.

*Activities on identification and development of enhanced personal protective equipment against blast injury (sec. 226)*

The Senate amendment contained a provision (sec. 213) that would require joint activities to be conducted in fiscal years 2019 and 2020 by the Secretary of the Army and the Director, Operational Test and Evaluation, in collaboration with academia, to determine the most effective personal equipment to protect against injuries caused by blasts in training and combat with \$10.0 million authorized to be available to carry out joint activities.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the activities are to be conducted by the Secretary of the Army in collaboration with the Director, Operational Test and

Evaluation during calendar year 2019 and that the Secretary of the Army should continue working with academia on such efforts.

*Human factors modeling and simulation activities (sec. 227)*

The Senate amendment contained a provision (sec. 214) that would require the Army, through the Army Research Institute or the Army Futures Command as determined appropriate, to establish human factors modeling and simulation activities.

The House bill contained no similar provision.

The House recedes with an amendment that changes the executing official to the Secretary of Defense through such organizations as the Secretary determines appropriate.

*Expansion of mission areas supported by mechanisms for expedited access to technical talent and expertise at academic institutions (sec. 228)*

The Senate amendment contained a provision (sec. 215) that would expand the mission areas included in the authority granted in section 217 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to space, infrastructure resilience, photonics, and autonomy.

The House bill contained no similar provision.

The House recedes.

*Advanced manufacturing activities (sec. 229)*

The House bill contained a provision (sec. 327) that would require the Secretary of the Army to establish a Center of Excellence on Advanced and Additive Manufacturing at an arsenal and authorize use of public-private partnerships and other transactional activity to facilitate the development of advanced and additive manufacturing techniques in support of Army industrial facilities.

The Senate amendment contained a provision (sec. 216) that would direct the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment to jointly establish activities aimed at demonstrating advanced manufacturing techniques and capabilities in depot-level activities or military arsenal facilities.

The House recedes with an amendment that would establish one activity per military service and add a requirement to consider workforce development.

The conferees note that the Under Secretaries may use grants, contracts, cooperative agreements, or other transactions, or establish public-private and public-public

partnerships to facilitate development of advanced manufacturing techniques in support of the defense industrial base.

*National security innovation activities (sec. 230)*

The Senate amendment contained a provision (sec. 217) that would require the Under Secretary of Defense for Research and Engineering to establish activities to develop interaction between the Department of Defense and the commercial technology industry and academia with the goal of encouraging private investment in specific hardware technologies of interest to future defense technology needs with unique national security applications with \$150.0 million authorized to be available to carry out such activities.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the elements of the activities, require a notification to the congressional defense committees before the execution of and obligation or expenditure of funds authorized by this provision, and adjust the funding level authorized to be available to \$75.0 million.

The conferees believe "hardware-intensive capabilities" may include capabilities such as microelectromechanical systems, processing components, micromachinery, and materials science.

*Partnership intermediaries for promotion of defense research and education (sec. 231)*

The Senate amendment contained a provision (sec. 218) that would authorize Science and Technology Reinvention Laboratories to establish partnership intermediary agreements with not-for-profit entities or state and local government organizations to enable research and technology development cooperation to promote innovation to support defense missions.

The House bill contained no similar provision.

The House recedes.

*Limitation on use of funds for Surface Navy Laser Weapon System (sec. 232)*

The Senate amendment contained a provision (sec. 219) that would limit funds to exceed a procurement quantity of one Surface Navy Laser Weapon System (SNLWS), also known as the High Energy Laser and Integrated Optical-dazzler with Surveillance, per fiscal year, unless the Secretary of the Navy submits a report to the congressional defense committees.

The House bill contained no similar provision.

The House recedes with an amendment that would limit funds to exceed a procurement quantity of one SNLWS to only fiscal year 2019, unless the Secretary of the Navy submits a report to the congressional defense committees.

*Expansion of coordination requirement for support for national security innovation and entrepreneurial education (sec. 233)*

The Senate amendment contained a provision (sec. 220) that would expand the list of entities with whom the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, may coordinate and partner with in order to support national security innovation and entrepreneurial education.

The House bill contained no similar provision.

The House recedes with an amendment that would add the "I-Corps" program.

*Defense quantum information science and technology research and development program (sec. 234)*

The Senate amendment contained a provision (sec. 222) that would authorize a defense quantum information science and technology research and development program aimed at ensuring that the U.S. military is able to most effectively leverage the technological capabilities enable by quantum science and technology to meet future military missions.

The House bill contained no similar provision.

The House recedes with an amendment that would revise the technical goals of the program and amend the reporting requirement.

*Joint directed energy test activities (sec. 235)*

The Senate amendment contained a provision (sec. 223) that would direct the coordination and enhancement of directed energy test activities.

The House bill contained no similar provision.

The House recedes with technical amendments.

*Requirement for establishment of arrangements for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions (sec. 236)*

The Senate amendment contained a provision (sec. 224) that would require the establishment of arrangements for expedited

access to talent and expertise at academic institutions to support Department of Defense missions.

The House bill contained no similar provision.

The House recedes with an amendment that would limit the directive requirement to apply to only three arrangements, executed through the military departments.

*Authority for Joint Directed Energy Transition Office to conduct research relating to high powered microwave capabilities (sec. 237)*

The Senate amendment contained a provision (sec. 225) that would expand the purview of the Joint Directed Energy Transition Office to include research relating to high powered microwave capabilities.

The House bill contained no similar provision.

The House recedes.

*Joint artificial intelligence research, development and transition activities (sec. 238)*

The Senate amendment contained provisions (sec. 226 and sec. 5201) that would require the Under Secretary of Defense for Research and Engineering to focus and coordinate Department of Defense efforts on artificial intelligence and to include research on human-machine teaming.

The House bill contained no similar provision.

The House recedes with an amendment that would add guidance on artificial intelligence governance and oversight, include a definition of artificial intelligence, and amend the reporting and timelines within the provision.

## **SUBTITLE C—REPORTS AND OTHER MATTERS**

*Report on survivability of air defense artillery (sec. 241)*

The House bill contained a provision (sec.221) that would require the Secretary of the Army to submit a report to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019, on efforts to improve Army Air Defense Artillery (ADA) survivability and require the Army to assess measures that could better enhance ADA defenses, both active and passive.

The Senate amendment contained no similar provision.

The Senate recedes.

*T-45 aircraft physiological episode mitigation actions (sec. 242)*

The House bill contained a provision (sec. 222) that would require the Secretary of the Navy to submit to the congressional defense committees a report on modifications made to T-45 aircraft and associated ground equipment to mitigate the risk of physiological episodes among T-45 crewmembers.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the requirement for a report and instead add its elements to the quarterly updates from the Navy Physiological Episode Action Team mandated by the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

*Report on efforts of the Air Force to mitigate physiological episodes affecting aircraft crewmembers (sec. 243)*

The House bill contained a provision (sec. 223) that would require the Secretary of the Air Force to submit a report on the Air Force's efforts to mitigate physiological episodes.

The Senate amendment contained no similar provision.

The Senate recedes.

*Report on Defense Innovation Unit Experimental (sec. 244)*

The House bill contained a provision (sec. 225) that would require the Under Secretary of Defense for Research and Engineering to submit a report to the congressional defense committees by May 1, 2019, on the integration of Defense Innovation Unit Experimental into the broader Department of Defense research and engineering community, the unit's measures of effectiveness, the number and type of transitions, and the impacts of the unit's initiatives and investments on the Department.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the reporting requirement.

*Modification of funding criteria under Historically Black Colleges and Universities and minority institutions program (sec. 245)*

The House bill contained a provision (sec. 228) that would modify section 2362(d) of title 10, United States Code.

The Senate amendment contained no similar provision.  
The Senate recesses.

The conferees believe that this modification to existing statute will ensure that resources meant for Historically Black Colleges and Universities and minority institutions will be used in such fashion, instead of going to universities with lower proportions of these students.

*Report on OA-X light attack aircraft applicability to partner nation support (sec. 246)*

The House bill contained a provision (sec. 229) that would require the Secretary of the Air Force to submit a report on the Air Force's light attack experiment and how it incorporates partner nation requirements.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Reports on comparative capabilities of adversaries in key technology areas (sec. 247)*

The Senate amendment contained a provision (sec. 231) that would direct the Director of the Defense Intelligence Agency, in coordination with relevant partners, to complete a report that directly compares United States capabilities in near-term emerging technology (e.g., hypersonic weapons, directed energy) and longer-term emerging technology (e.g., artificial intelligence, quantum information sciences) with that of U.S. adversaries.

The House bill contained no similar provision.

The House recesses with an amendment that would amend the reporting timeline and change the single report into multiple reports on technology areas.

*Report on active protection systems for armored combat and tactical vehicles (sec. 248)*

The Senate amendment contained a provision (sec. 232) that would require the Secretary of the Army to submit a report on technologies related to active protection systems for armored combat vehicles.

The House bill contained no similar provision.  
The House recesses.

*Next Generation Combat Vehicle (sec. 249)*

The Senate amendment contained a provision (sec. 233) that would direct the Secretary of the Army to ensure that the Tank Automotive, Research, Development, and Engineering Center (TARDEC) is provided the necessary resources to build a prototype for the Next Generation Combat Vehicle (NGCV).

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Army to ensure all necessary resources are planned and programmed for an accelerated prototyping of the NGCV. The Secretary shall ensure consideration of the latest enabling component technologies developed by TARDEC.

*Modification of reports on mechanisms to provide funds to defense laboratories for research and development of technologies for military missions (sec. 250)*

The Senate amendment contained a provision (sec. 235) that would amend the existing reporting requirement for funding provided to defense laboratories under existing authorities to a continuous requirement as opposed to an annual report.

The House bill contained no similar provision.

The House recedes.

*Briefings on Mobile Protected Firepower and Future Vertical Lift programs (sec. 251)*

The Senate amendment contained a provision (sec. 236) that would require the Secretary of the Army to submit to the Committees on Armed Services of the Senate and House of Representatives a report on the requirements for Mobile Protected Firepower (MPF) and Future Vertical Lift (FVL) no later than 60 days after the enactment of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that would amend the reporting requirement by requiring two separate and distinct briefings on the MPF and FVL programs. The amendment also includes additional briefing elements for the FVL program.

*Improvement of the Air Force supply chain (sec. 252)*

The Senate amendment contained a provision (sec. 237) that would allow the Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics to use nontraditional technologies, such as additive manufacturing, artificial intelligence, and other software-intensive capabilities, to increase the availability of aircraft and decrease backlogs for the production of spare parts for such aircraft. This provision

would also allow the Assistant Secretary to advance the qualification and integration of additive manufacturing into the Air Force supply chain, reduce supply chain risk, and define workforce development requirements and training for personnel who implement and support additive manufacturing for the Air Force.

The House bill contained no similar provision.

The House recesses.

*Review of guidance on blast exposure during training (sec. 253)*

The Senate amendment contained a provision (sec. 238) that would require the Secretary of Defense to review the firing limits of heavy weapons during training exercises and provide a report no later than 180 days after enactment of this Act reviewing the cognitive effects of said blast exposure.

The House bill contained no similar provision.

The House recesses with a technical amendment that would add the review of the decibel level exposure, concussive effects exposure, and the frequency of exposure to heavy weapons fire of an individual during training exercises in order to establish appropriate limitations on such exposures.

*Competitive acquisition strategy for Bradley Fighting Vehicle transmission replacement (sec. 254)*

The Senate amendment contained a provision (sec. 241) that would require the Secretary of the Army to submit to the congressional defense committees, not later than February 15, 2019, a strategy to competitively procure a new transmission for the Bradley Fighting Vehicle family of vehicles, to include the Armored Multipurpose Vehicle and the Paladin Integrated Management artillery system.

The Senate amendment contained another provision (sec. 5202) that would require the plan to use a full and open competition in the acquisition strategy for the Bradley Fighting Vehicle transmission replacement is based on the Federal Acquisition Regulation.

The House bill contained no similar provision.

The House recesses with an amendment that would integrate these two provisions and require a full and open competition in accordance with the Federal Acquisition Regulation.

*Independent assessment of electronic warfare plans and programs (sec. 255)*

The Senate amendment contained a provision (sec. 242) that would require the Secretary of Defense to enter into an agreement with the scientific advisory group ``JASON`` to produce an independent assessment of U.S. electronic warfare strategies, programs, order of battle, and doctrine and adversary strategies, programs, order of battle, doctrine, including recommendations for improvement.

The House bill contained no similar provision.

The House recesses with an amendment that would narrow the assessment to only include the Department of Defense, as opposed to a government-wide assessment.

### **LEGISLATIVE PROVISIONS NOT ADOPTED**

#### *Entrepreneurial education program for personnel of Department of Defense laboratories*

The House bill contained a provision (sec. 220D) that would allow the Secretary of Defense to carry out a program under which entrepreneurship and commercialization education, training and mentoring would be provided to personnel of Department of Defense laboratories.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note the inclusion of an authorization for an "I-Corps" program in another provision for this Act.

#### *Process for coordination of studies and analysis research of the Department of Defense*

The House bill contained a provision (sec. 220E) that would direct the Secretary of Defense to implement a Department-wide process for managing requests for studies and analysis research across the military departments and Defense Agencies.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note the inclusion of a requirement for an assessment on Department of Defense research and engineering portfolio management and coordination in another provision of this Act.

#### *Jet noise reduction program of the Navy*

The House bill contained a provision (sec. 220F) that would authorize the Secretary of the Navy to carry out a jet noise reduction program.

The Senate amendment contained no similar provision.

The House recesses.

The conferees are aware of ongoing jet noise reduction programs by the Department of Defense (DOD) and believe that reducing noise levels from aviation and other aircraft in communities near military installations should continue to be a priority for the DOD. The conferees support the Navy's current jet noise reduction program and their efforts to identify material and non-material solutions to develop noise control strategies and noise measurement requirements produced by military aircraft. The conferees understand the Navy will continue this program to guide the design of future noise-control systems for naval aviation systems to reduce the impact on communities adjacent to military facilities and the environment, like those in Washington, California, and Florida. The conferees urge the Department to continue to fully resource such programs.

Therefore, elsewhere in Division D of this Act, the conferees note that an additional \$2.0 million is authorized for jet noise reduction efforts.

#### *STEM jobs action plan*

The House bill contained a provision (sec. 220H) that would direct the Secretary of Defense, in conjunction with the Secretary of each military department, to perform an assessment and deliver a report to Congress on jobs in science, technology, engineering, and math within the Department of Defense.

The Senate amendment contained no similar provision.

The House recesses.

#### *Limitation on funding for Amphibious Combat Vehicle 1.2*

The Senate amendment contained a provision (sec. 221) that would limit all of funds authorized for Amphibious Combat Vehicle 1.2 from being obligated or expended until the Secretary of Defense provided a required report on the highest priority roles and missions of the armed forces.

The House bill contained no similar provision.

The Senate recesses.

#### *Briefing on use of quantum sciences for military applications and other purposes*

The House bill contained a provision (sec. 224) that would require the Secretary of Defense to provide to the congressional defense committees a briefing and plan for using quantum sciences for military applications and other purposes.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note the inclusion elsewhere within this Act of a provision focused on various requirements for the Department of Defense related to quantum information sciences.

*Increase in funding for divertor test tokamak research and development*

The House bill contained a provision (sec. 226) that would increase funding for research, development, test, and evaluation in inertial confinement fusion ignition and high yield by \$3.0 million, to be used for divertor test tokamak research and development. The provision would also decrease funding for the Air Force's procurement of ammunition, for flares, by \$3.0 million.

The Senate amendment contained no similar provision.  
The House recesses.

*Briefing on innovative mobile security technology capabilities*

The House bill contained a provision (sec. 227) that would express the sense of the Congress that government-owned mobile technologies lack necessary security features, placing them at risk for targeting and data breaches that might expose information that could harm national security. The provision would require the Secretary of Defense to provide a briefing to the congressional defense committees on the relevant threats, commercially-available countermeasure technologies, and the feasibility of deploying these technologies within the Department of Defense.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees direct the Secretary of Defense to brief the congressional defense committees, not later than 90 days after enactment of this Act, on the threats posed by credential theft, active surveillance from microphones and cameras, and tracking of user movements and location. The briefing shall include an analysis of the commercial availability of technologies to mitigate these threats and strategies governing and the feasibility of deploying mobile security technologies within the Department.

*Funding for development of canine plasma for hemorrhagic control*

The House bill contained a provision (sec. 230) that would designate funding from the United States Special Operations

Command research, development, test and evaluation Defense-wide budget for freeze-dried canine plasma for hemorrhagic control.

The Senate amendment contained no similar provision.

The House recesses.

*Sense of Congress on partnerships for next generation hypersonics capabilities*

The House bill contained a provision (sec. 231) that expresses a sense of Congress that the Secretary of the Air Force should consider entering into partnerships with institutions of higher education to conduct research and science and engineering education for next generation hypersonics capabilities.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note their support for hypersonics capability development elsewhere in this Act.

*Report on the future of the defense research and engineering enterprise*

The Senate amendment contained a provision (sec. 234) that would direct the Under Secretary of Defense for Research and Engineering to conduct a review of the defense research and engineering enterprise.

The House bill contained no similar provision.

The Senate recesses.

The conferees note the inclusion elsewhere in this Act of a National Defense Science and Technology Strategy, which includes elements of this report.

## **TITLE III—OPERATION AND MAINTENANCE**

### **SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS**

*Authorization of appropriations (sec. 301)*

The House bill contained a provision (sec. 301) that would authorize appropriations for operation and maintenance activities at the levels identified in section 4301 of division D of this Act.

The Senate amendment contained a similar provision (sec. 301).

The House recesses.

## **SUBTITLE B—ENERGY AND ENVIRONMENT**

### *Explosive Ordnance Disposal Defense Program (sec. 311)*

The House bill contained a provision (sec. 317) that would establish the Explosive Ordnance Disposal (EOD) Defense Program by assigning the Assistant Secretary of Defense (ASD) for Nuclear, Chemical and Biological Defense Programs as the key individual for EOD policy, plans, programs and budgets. Additionally, the Defense Threat Reduction Agency would be tasked with fund management for Department of Defense (DOD)-wide EOD research and development. It would also mandate that an Army EOD qualified general officer serve as the head of the Joint Improvised-Threat Defeat Organization.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would allow the Secretary of Defense to choose an ASD of their choice to oversee the program and for the DOD to designate a combat support agency to exercise fund management of EOD research, development, test and evaluation.

The conferees note that to clarify certain sections of this provision the terms "Explosive Ordnance" means all munitions and improvised or clandestine explosive devices, containing explosives, propellants, nuclear fission or fusion materials, and biological and chemical agents. The term "Explosive Ordnance Disposal" means, the detection, identification, on-site evaluation, rendering safe, exploitation, recovery, and final disposal of explosive ordnance.

### *Further improvements to energy security and resilience (sec. 312)*

The Senate amendment contained a provision (sec. 311) that would make further improvements to energy security and resilience within the Department of Defense by ensuring mission assurance is prioritized in energy policy and management.

The House bill contained no similar provision.

The House recedes with a technical amendment.

### *Use of proceeds from sales of electrical energy derived from geothermal resources for projects at military installations where resources are located (sec. 313)*

The House bill contained a provision (sec. 312) that would amend section 2916 of title 10, United States Code, to enable

certain proceeds from the sale of electrical energy generated from a geothermal energy resource to be used for installation energy or water security projects at the military installation in which the geothermal energy resource is located.

The Senate amendment contained no similar provision.

The Senate recesses.

*Operational energy policy (sec. 314)*

The Senate amendment contained a provision (sec. 314) that would provide a comprehensive operational energy policy and promote the development and acquisition of equipment that enhances energy security and energy resilience.

The House bill contained no similar provision.

The House recesses.

*Funding of study and assessment of health implications of per- and polyfluoroalkyl substances contamination in drinking water by agency for toxic substances and disease registry (sec. 315)*

The Senate amendment contained a provision (sec. 312) that would amend section 316(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to allow funds to be transferred to the Secretary of Health and Human Services for the study and assessment of health implications of per- and polyfluoroalkyl substances (PFAS).

The House bill contained no similar provision.

The House recesses with an amendment that would require the Secretary of Defense, within 180 days from the date the Administrator of the Environmental Protection Agency (EPA) establishes a maximum contaminant limit for PFAS, to: (1) Assess any contamination at the Department of Defense installations and surrounding communities; (2) Identify any remediation actions the Department plans to undertake using the established EPA standard; (3) Provide an estimated cost and schedule for remediation; and (4) Provide an assessment of past expenditures by local water authorities to address contamination before the EPA standard was established and an estimate cost to reimburse communities that remediated water to a level not greater than the EPA standard.

*Extension of authorized periods of permitted incidental takings of marine mammals in the course of specified activities by Department of Defense (sec. 316)*

The House bill contained a provision (sec. 313) that would extend the period the Secretary of Interior may authorize the

incidental taking of marine mammals by the Department of Defense from 5 years to 10 years if the Secretary finds that such takings will have a negligible impact on any marine mammal species.

The Senate amendment contained no similar provision.

The Senate recedes with amendment that would authorize the Secretary of Interior to extend the permit for incidental taking of marine mammals by the Department of Defense to 7 years.

*Department of Defense environmental restoration programs (sec. 317)*

The House bill contained a provision (sec. 315) that would provide findings and a Sense of Congress on the Department of Defense environmental restoration programs.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

The conferees require not later than 120 days after enactment of this Act, the Assistant Secretary of Defense for Energy, Installations, and Environment shall provide a briefing to the Committees on Armed Services of the Senate and House of Representatives on initiatives being pursued to accelerate environmental restoration efforts.

*Joint study on the impact of wind farms on weather radars and military operations (sec. 318)*

The House bill contained a provision (sec. 318) that would require the Secretary of Defense to enter into an agreement with the National Oceanic and Atmospheric Administration to conduct a study on the impact of wind farms on weather radars.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

*Core sampling at Joint Base San Antonio, Texas (sec. 319)*

The House bill contained a provision (sec. 319) that would require the Secretary of the Air Force to conduct a core sampling study along the proposed route of the W-6 wastewater treatment line on Air Force real property.

The Senate amendment contained an identical provision (sec. 5302).

The conference agreement includes this provision.

*Production and use of natural gas at Fort Knox, Kentucky (sec. 320)*

The House bill contained a provision (sec. 316) that would authorize the Secretary of the Army to provide for the production, treatment, management, and use of natural gas located under Fort Knox.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would apply this authority to the 26 wells at Fort Knox, include up to 49,000 dollars per year in royalty payments to the Commonwealth of Kentucky, unless royalty payments are waived by the Governor, and ensure the 26 wells at Fort Knox adhere to the Bureau of Land Management's safety regulations.

## **SUBTITLE C—LOGISTICS AND SUSTAINMENT**

*Authorizing use of working capital funds for unspecified minor military construction projects related to revitalization and recapitalization of defense industrial base facilities (sec. 321)*

The Senate amendment contained a provision (sec. 2804) that would amend section 2805 of title 10, United States Code, to establish a pilot program authority until 2023 for unspecified minor military construction projects of \$6.0 million in support of defense industrial base facilities.

The House bill contained no similar provision.

The House recedes with a technical amendment that would amend section 2208 of title 10, United States Code, to allow the services to use working capital funds up to the minor military construction threshold.

*Examination of Navy vessels (sec. 322)*

The House bill contained a provision (sec. 321) that would amend section 7304 of title 10, United States Code, to provide that examinations of naval vessels performed under the authority of that section after October 1, 2019, shall be conducted on a no notice basis. This section would also provide that reports detailing the results of such inspections be unclassified and available to the public.

The Senate amendment contained a similar provision (sec. 1012) that would require the submission of an annual unclassified report to the congressional defense committees.

The House recedes with an amendment that would require vessel inspections pursuant to section 7304 of title 10, United States Code, be conducted with minimal notice provided to the crew of the vessel beginning on January 1, 2020. Additionally,

this section would require the submission of an annual unclassified report to the congressional defense committees.

The conferees' intent in prescribing minimal notice inspections is to limit prior notice of vessel inspections being conducted under this section to the minimum number of individuals necessary to make the logistical arrangements needed to complete inspection requirements. These inspections should be "come as you are" and provide an accurate representation of the material condition of each vessel without the benefit of dedicated inspection preparation. The minimal notice standard is intended to apply to vessels undergoing periodic material inspections, but not to new construction vessels undergoing acceptance and final contract trials.

*Limitation on length of overseas forward deployment of naval vessels (sec. 323)*

The House bill contained a provision (sec. 323) that would add a new section to chapter 633 of title 10, United States Code, that would require the Secretary of the Navy to limit the time a naval vessel is forward deployed overseas to 10 years. This section would permit the Secretary to waive the 10-year requirement for individual naval vessels with notification to the congressional defense committees. This section would further provide that all currently forward deployed naval ships which have exceeded 10 years of service overseas shall have 3 years to return to a U.S. homeport. Finally, this section would require the Secretary to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives on his rotation plan for forward deployed naval ships.

The Senate amendment contained a similar provision (sec. 1013).

The Senate recedes with an amendment that would restrict the limitation on length of overseas forward deployment to specified types of naval vessels.

*Temporary modification of workload carryover formula (sec. 324)*

The House bill contained a provision (sec. 324) that would require the Secretary of Defense to modify the workload carryover calculation formula for each military department depot or arsenal through September 30, 2021. These modifications would reflect the timing of enacted appropriations and the varying repair cycle times of the workload supported, and apply in addition to current Department of Defense carryover exemptions.

The Senate amendment contained no similar provision.  
The Senate recedes.

*Limitation on use of funds for implementation of elements of master plan for redevelopment of Former Ship Repair Facility in Guam (sec. 325)*

The House bill contained a provision (sec. 325) that would provide that none of the funds authorized to be appropriated by this Act, or otherwise made available for fiscal year 2019 for the Navy, may be obligated or expended for any construction, alteration, repair, or development of the real property consisting of the Former Ship Repair Facility in Guam unless such project directly supports depot-level ship maintenance capabilities, to include the mooring of a floating dry dock.

The Senate amendment contained no similar provision.

The Senate recesses.

*Business case analysis for proposed relocation of J85 Engine Regional Repair Center (sec. 326)*

The House bill contained a provision (sec. 326) that would require the Secretary of the Air Force to prepare a business case analysis for the proposed relocation of the J85 Engine Regional Repair Center. This section would also withhold funding for the proposed relocation until 150 days after the Secretary of the Air Force has provided the Committees on Armed Services of the Senate and the House of Representatives a briefing on the business case analysis.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on pilot program for micro-reactors (sec. 327)*

The House bill contained a provision (sec. 328) that would require the Secretary of Energy to conduct study on the requirements and components of a pilot program to provide resilience for Department of Defense and Department of Energy critical infrastructure using micro-reactors.

The Senate amendment contained no similar provision.

The Senate recesses with a technical amendment.

*Limitation on modifications to Navy Facilities Sustainment, Restoration, and Modernization structure and mechanism (sec. 328)*

The Senate amendment contained a provision (sec. 351) that would prohibit the Secretary of the Navy from making any modifications to the existing Navy Facilities Sustainment, Restoration, and Modernization (FSRM) structure until 90 days

after providing notice of the proposed FSRM modification to the congressional defense committees.

The House bill contained no similar provision.

The House recesses.

## **SUBTITLE D—REPORTS**

### *Reports on readiness (sec. 331)*

The Senate amendment contained a provision (sec. 321) that would modify the Quarterly Readiness Report to Congress (QRRC) to establish a tracking mechanism for the number of monthly C-level upgrades or downgrades by a unit commander. The provision would also separate the annex on operational contract support and make it a standalone annual report in order to decrease the delivery time of the QRRC.

The House bill contained no similar provision.

The House recesses with a technical amendment that would sunset this authority in 2023.

### *Matters for inclusion in quarterly reports on personnel and unit readiness (sec. 332)*

The House bill contained a provision (sec. 331) that would amend section 482 of title 10, United States Code, to require the Secretary of Defense and each military service to report appropriate readiness metrics for cyber and space operations in the existing periodic reporting requirement. This section would further amend section 482 to require combatant commanders to assess their readiness to conduct operations in a multi-domain battle, integrating ground, air, sea, space, and cyber forces.

The Senate amendment contained no similar provision.

The Senate recesses.

### *Annual Comptroller General reviews of readiness of Armed Forces to conduct full spectrum operations (sec. 333)*

The House bill contained a provision (sec. 332) that would require the Comptroller General of the United States to assess the readiness of the Armed Forces in the warfighting domains of ground, sea, air, space, and cyber annually through 2022. The assessment would be based on metrics established by the Secretary of Defense and validated by the Comptroller General, to allow the committee to assess readiness status over time. While the Comptroller General may submit classified reports, unclassified versions of the reports should also be provided.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Surface warfare training improvement (sec. 334)*

The House bill contained a provision (sec. 333) that would express the sense of Congress that the Secretary of the Navy should establish an assessment process for surface warfare officers prior to operational tour assignments and that the Secretary should expand the International Convention on Standards of Training, Certification and Watchkeeping (STCW) qualification process for surface warfare officers and enlisted navigation watch team personnel to improve seamanship and navigation aboard Navy vessels. Further, this section would require the Secretary of the Navy to provide a report on surface warfare officer credentialing, training, and assessment to the congressional defense committees not later than March 1, 2019.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Report on optimizing surface Navy vessel inspections and crew certifications (sec. 335)*

The House bill contained a provision (sec. 334) that would require the Secretary of the Navy to provide a report on optimizing surface navy vessel inspections and crew certifications to reduce redundancies and the burden of inspection-type visits that ships undergo. Further, this section would require the Secretary of the Navy to provide an interim briefing to the Committees on Armed Services of the Senate and the House of Representatives not later than January 31, 2019, on matters to be included in the required report.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Report on depot-level maintenance and repair (sec. 336)*

The House bill contained a provision (sec. 335) that would require the Secretary of Defense to submit a report on labor hours and depot maintenance.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Report on wildfire suppression capabilities of active and reserve components (sec. 337)*

The House bill contained a provision (sec. 337) that would require the Secretary of Defense to submit a report on the wildfire suppression capabilities within the active and reserve components of the Armed Forces.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on relocation of steam turbine production from Nimitz-class and Ford-class aircraft carriers and Virginia-class and Columbia-class submarines (sec. 338)*

The House bill contained a provision (sec. 338) that would require a report on the relocation of steam turbine production for specified classes of aircraft carriers and submarines.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on Specialized Undergraduate Pilot Training production, resourcing, and locations (sec. 339)*

The Senate amendment contained a provision (sec. 337) that would limit the funding available to establish a new specialized undergraduate pilot training (SUPT) facility until the Secretary of the Air Force certifies to the congressional defense committees that existing SUPT installations are operating at maximum capacity in terms of pilot production and the Air Force plans to operate existing SUPT facilities at maximum production over the future years defense program. The provision would also require the Secretary of the Air Force to submit a report on existing SUPT production, resourcing, and facilities.

The House bill contained no similar provision.

The House recesses with an amendment that would eliminate the funding limitation but maintain the reporting requirement.

*Report on Air Force airfield operational requirements (sec. 340)*

The Senate amendment contained a provision (sec. 5307) that would require the Secretary of the Air Force to conduct an assessment and submit a report to the congressional defense committees detailing operational requirements for Air Force airfields.

The House bill contained no similar provision.

The House recesses.

*Report on Navy surface ship repair contract costs (sec. 341)*

The Senate amendment contained a provision (sec. 5306) that would require a report on differences in ship repair contract and final delivery costs.

The House bill contained no similar provision.

The House recesses with an amendment that would require additional information in the report.

## **SUBTITLE E—OTHER MATTERS**

### *Coast Guard representation on explosive safety board (sec. 351)*

The House bill contained a provision (sec. 341) that would amend section 172(a) of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recesses.

### *Transportation to continental United States of retired military working dogs outside the continental United States that are suitable for adoption in the United States (sec. 352)*

The Senate amendment contained a provision (sec. 5303) that would require the concerned secretary to transport military working dogs located outside the continental United States at the time of retirement back to the continental United States.

The House bill contained no similar provision.

The House recesses.

### *Scope of authority for restoration of land due to mishap (sec. 353)*

The Senate amendment contained a provision (sec. 338) that would clarify that vehicle crashes must meet the regulations of the federal department with administrative jurisdictions of the affected land.

The House bill contained no similar provision.

The House recesses.

### *Repurposing and reuse of surplus Army firearms (sec. 354)*

The Senate amendment contained a provision (sec. 336) that would amend section 348(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) by inserting ``shredded or'' before ``melted and repurposed''.

The House bill contained no similar provision.

The House recesses.

*Study on phasing out open burn pits (sec. 355)*

The House bill contained a provision (sec. 344) that would require the Secretary of Defense to submit a report on the feasibility of phasing out the use of open burn pits.

The Senate amendment contained a similar provision (sec. 6004).

The Senate recesses.

*Notification requirements relating to changes to uniform of members of the uniformed services (sec. 356)*

The House bill contained a provision (sec. 345) that would require the concerned secretary to notify the Commander of the Defense Logistics Agency of plans to make changes to a servicemember uniform or servicemember uniform component not less than 3 years prior to the change.

The Senate amendment contained no similar provision.

The Senate recesses.

*Reporting on future years budgeting by subactivity group (sec. 357)*

The Senate amendment contained a provision (sec. 332) that would direct the Secretary of Defense and the secretaries of the military departments to include in their OP-5 Justification Books the amount for each subactivity group as detailed in the Department of Defense's future years defense program.

The House bill contained no similar provision.

The House recesses.

*Limitation on availability of funds for service-specific Defense Readiness Reporting Systems (sec. 358)*

The Senate amendment contained a provision (sec. 335) that would restrict the Department of Defense funds to operate service-specific Defense Readiness Reporting Systems (DRRS) until the Secretary of Defense submits a resource and funding plan to eliminate service-specific DRRS.

The House bill contained no similar provision.

The House recesses with a technical amendment that would strike the prohibition of using operation and maintenance funding and change the required transition date to October 1, 2020.

*Prioritization of environmental impacts for facilities sustainment, restoration, and modernization demolition (sec. 359)*

The Senate amendment contained a provision (sec. 5301) that would require the Secretary of Defense to establish prioritization metrics for facilities eligible for demolition within the Facilities Sustainment, Restoration, and Modernization process.

The House bill contained no similar provision.

The House recesses.

*Sense of Congress relating to Soo Locks, Sault Sainte Marie, Michigan (sec. 360)*

The Senate amendment contained a provision (sec. 6009) that would express the sense of Congress regarding the importance of Soo Locks, Sault Sainte Marie, Michigan.

The House bill contained no similar provision.

The House recesses.

*U.S. Special Operations Command Civilian Personnel (sec. 361)*

The Senate amendment contained a provision (sec. 334) that would require that, of the funds authorized in Operation and Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, not less than \$6.2 million shall be used to fund the detail of civilian personnel to the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict (ASD SOLIC) to support the Secretariat for Special Operations.

The House bill contained no similar provision.

The House recesses with an amendment that would require that, notwithstanding section 143 of title 10, United States Code, not less than \$4.0 million of the funds authorized to be appropriated by this Act for Operation and Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, be used to fund additional civilian personnel in or directly supporting the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict to support the Assistant Secretary in fulfilling the additional responsibilities established by section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The conferees note that the exemption granted to section 143 of title 10 United States code should be used judiciously and only for the purposes of staffing the ASD SOLIC Secretariat

for Special Operations in fulfillment of the responsibilities required by section 922 of the FY17 NDAA.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

### *State management and conservation of species*

The House bill contained a provision (sec. 314) that would prohibit listing the Greater Sage-Grouse and the Lesser Prairie-Chicken under the Endangered Species Act for a 10-year period. This section would also provide that the previous such listing of the American Burying Beetle may not be enforced or reinstated.

The Senate amendment contained no similar provision.

The House recesses.

### *Funding treatment of perfluorooctane sulfonic acid and perfluorooctanoic acid at State-owned and operated National Guard installations*

The Senate amendment contained a provision (sec. 315) that would authorize the Secretary of Defense to treat perfluorooctane sulfonic acid and perfluorooctanoic acid (PFOS/PFOA) in drinking water at State-owned and operated National Guard installations with several limitations. The provision would also authorize the National Guard access to environmental restoration funds.

The House bill contained no similar provision.

The Senate recesses.

### *Overhaul and repair of naval vessels in foreign shipyards*

The House bill contained a provision (sec. 322) would amend section 7310 of title 10, United States Code, to require naval vessels that do not have a homeport be treated as being homeported in the United States or Guam with regard to repair and maintenance of those vessels. Additionally, this section would define the term voyage repair.

The Senate amendment contained no similar provision.

The House recesses.

### *Report on effects of increased automation of defense industrial base on manufacturing workforce*

The House bill contained a provision (sec. 329) that would require a report on effects of increased automation of defense industrial base on manufacturing workforce.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that increased automation in the defense industrial base should be adopted in a manner that does not adversely impact national security.

*Pilot programs on integration of military information support and civil affairs activities*

The Senate amendment contained a provision (sec. 331) that would authorize the commanders of the geographic combatant commands and U.S. Special Operations Command to carry out pilot programs for the integration of military information support and civil affairs activities in support of the theater campaign plans of such combatant command.

The House bill contained no similar provision.

The Senate recesses.

The conferees believe that Department of Defense (DOD) civil affairs and military information support activities are complementary and reinforcing and are an important tool to support the military objectives of the combatant commands. Furthermore, especially in an Embassy-based environment, such activities by DOD personnel can be further complemented and reinforced by public diplomacy activities of the State Department and stabilization or development activities by the U.S. Agency for International Development (USAID). The conferees believe these efforts can be better leveraged to provide whole of government solutions to a rapidly evolving global security environment.

The conferees also note that the process for funding the execution of military information support and civil affairs activities often does not align with operational timelines or involves fiscal authorities that are misaligned to the purpose of the activity. Furthermore, the conferees believe that reserve component military information support and civil affairs personnel could be better utilized to augment special operations forces. Therefore, the conferees direct the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, in coordination with the Commander of U.S. Special Operations Command, to submit a report on civil affairs and military information support to the Committees on Armed Services of the Senate and the House of Representatives not later than March 1, 2019. At a minimum, the report shall provide:

(1) A review of the funding mechanisms and fiscal authorities available to support civil affairs and military information support activities and challenges, if any, in utilizing existing funding mechanisms and fiscal authorities;

(2) Recommendations for new authorities or modifications to existing authorities that would help to facilitate the execution of civil affairs and military information support activities and the integration of such activities with other complementary efforts by the State Department and USAID;

(3) Recommendations for new authorities or modifications to existing authorities that would help to improve the utilization of reserve component civil affairs and military information support personnel to augment special operations forces; and

(4) Any other matters deemed relevant by the Assistant Secretary.

*Restriction on upgrades to aviation demonstration team aircraft*

The Senate amendment contained a provision (sec. 333) that would prohibit the Secretary of Defense from upgrading the type, model, or series of aircraft used by a military service for its fixed-wing aviation demonstration teams, including the Blue Angels and Thunderbirds aircraft, until the Service's active and reserve duty squadrons and weapons training schools have replaced 100 percent of the existing type, model, and series of aircraft unless the Secretary grants a waiver to upgrade for the purposes of pilot safety.

The House bill contained no similar provision.

The Senate recesses.

The conferees note the valuable contributions to morale and public relations made by the Department of Defense's fixed-wing aviation demonstration teams, including the Blue Angels and Thunderbirds. However, the conferees believe operational squadrons, including guard, reserve, training, and weapons and tactics squadrons must be given priority in the fielding of upgraded aircraft over any demonstration team. The conferees expect the Department to prioritize operational squadrons in their decisions regarding fielding of aircraft.

*Report on personal protective equipment requirements for civil response teams to volcanic activity*

The House bill contained a provision (sec. 336) that would require the Secretary of Defense, in coordination with the Secretary of Health and Human Services, the Administrator of the Federal Emergency Management Agency, and the Director of the

United States Geological Survey, to submit a report on personal protective equipment requirements for civil defense response teams to volcanic activity and civilian communities in the vicinity of active volcanic activity, including protection against sulfur dioxide gas.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Secretary of Defense, in coordination with the Secretary of Health and Human Services, the Administrator of the Federal Emergency Management Agency, and the Director of the United States Geological Survey, to submit a report no later than December 2, 2018 on personal protective equipment requirements for civil defense response teams to volcanic activity and civilian communities in the vicinity of active volcanic activity, including protection against sulfur dioxide gas.

#### *Redesignation of the Utah Test and Training Range (UTTR)*

The Senate amendment contained a provision (sec. 339) that would allow the Utah Test and Training Range located in northwestern Utah and eastern Nevada to be redesignated.

The House bill contained no similar provision.

The Senate recesses.

#### *Shiloh National Military Park boundary adjustment and Parker's Crossroads Battlefield designation*

The House bill contained a provision (sec. 342) that would modify the boundary of the Shiloh National Military Park located in Tennessee and Mississippi, to establish Parker's Crossroads Battlefield as an affiliated area of the National Park System.

The Senate amendment contained no similar provision.

The House recesses.

#### *Sense of Congress regarding critical minerals*

The House bill contained a provision (sec. 343) that would provide a Sense of Congress regarding critical minerals.

The Senate amendment contained no similar provision.

The House recesses.

#### *Joint Task Force for Explosive Ordnance Disposal and Countering Improvised Explosive Devices in United States Northern Command*

The House bill contained a provision (sec. 347) that would require a plan by the Secretary of Defense to organize a Joint

Task Force for Explosive Ordnance Disposal and Countering Improvised Explosive Devices at United States Northern Command.

The Senate bill contained no similar provision.

The House recesses.

The conferees recognize the importance of a robust domestic capability to conduct explosive ordnance disposal and to counter improvised explosive devices. The conferees also recognize that the Department of Defense should provide an important supporting role to other Federal agencies leading efforts to address these challenges in the United States. The conferees note that interagency cooperation across the Federal government on these issues is vital. Therefore, the conferees direct the Secretary of Defense to brief the Committees on Armed Services of the Senate and the House of Representatives, no later than February 1, 2019, on the role of the Department of Defense as part of the interagency effort to address domestic incidents of explosive ordnance disposal, counter improvised explosive devices, and develop potential methods to increase cooperation between the Department of Defense and other Federal agencies.

*Evaluation of pilot safety by Military Aviation and Installation Assurance Siting Clearinghouse*

The House bill contained a provision (sec. 1049) that would require the Military Aviation and Installation Assurance Siting Clearinghouse to assess pilot safety when evaluating energy projects.

The Senate bill contained a similar provision (sec. 313).

The conference agreement does not include either provision.

*Report on cold weather capabilities and readiness of United States Armed Forces*

The House bill contained a provision (sec. 1089) that would state that the Secretary of Defense shall ensure that the Department of Defense shall engage with local indigenous communities in developing any Arctic survival curriculum.

The Senate amendment contained two similar provisions (sec. 322 and sec. 5304) that would require the Secretary of Defense to submit to the congressional defense committees a report on the current cold weather capabilities and readiness of the United States Armed Forces.

The provisions are not adopted.

The conferees direct the Secretary of Defense to submit a report to the congressional defense committees not later than

180 days after the date of enactment of this Act on current cold weather capabilities and readiness of the United States Armed Forces. The report shall contain the following elements:

(1) A description of current cold weather capabilities and training to support United States military operations in cold climates across the joint force;

(2) A description of anticipated requirements for United States military operations in cold and extreme cold weather in the Arctic, Northeast Asia, and Northern and Eastern Europe;

(3) A description of the current cold weather readiness of the joint force, the ability to increase cold weather training across the joint force, and any equipment, infrastructure, personnel, or resource limitations or gaps that may exist;

(4) An analysis of potential opportunities to expand cold weather training for the Army, the Navy, the Air Force, and the Marine Corps and the resources or infrastructure required for such expansion; and

(5) An analysis of potential partnerships with State, local, Tribal, and private entities to maximize training potential and to utilize local expertise, including traditional indigenous knowledge.

*Briefing on the status of the plan of the Army to transition to new insecticide pretreatments on combat uniforms*

The Senate amendment contained a provision (sec. 5502) that would require the Secretary of the Army to provide a briefing on the status of approval of and any plan to transition to the use of new insecticide pretreatments on combat uniforms.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of the Army no later than December 1, 2018 to provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing on the status of approval of, and any plan to transition to, the use of new insecticide treatments on combat uniforms.

## **TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS**

### **SUBTITLE A—ACTIVE FORCES**

*End strengths for active forces (sec. 401)*

The House bill contained a provision (sec. 401) that would authorize active-duty end strength as of September 30, 2019 as follows: Army 487,500; Navy 335,400; Marine Corps 186,100; Air Force 329,100.

The Senate amendment contained a provision (sec. 401) that would authorize active-duty end strength as of September 30, 2019 as follows: Army 485,741; Navy 331,900; Marine Corps 186,100; Air Force 325,720.

The Senate recesses.

*Revisions in permanent active duty end strength minimum levels (sec. 402)*

The House bill contained a provision (sec. 402) that would establish new minimum Active Duty end strengths for the Army, Navy, Marine Corps, and Air Force as of September 30, 2019. The committee recommends 487,500 as the minimum Active Duty end strength for the Army, 335,400 as the minimum Active Duty end strength for the Navy, 186,100 as the minimum Active Duty end strength for the Marine Corps, and 329,100 as the minimum Active Duty end strength for the Air Force.

The Senate amendment contained no similar provision.

The Senate recesses.

## **SUBTITLE B—RESERVE FORCES**

*End strengths for Selected Reserve (sec. 411)*

The House bill contained a provision (sec. 411) that would authorize the following end strengths for Selected Reserve personnel of the Armed Forces as of September 30, 2019: the Army National Guard, 343,500; the Army Reserve, 199,500; the Navy Reserve, 59,100; the Marine Corps Reserve, 38,500; the Air National Guard of the United States, 107,100; the Air Force Reserve, 70,000; and the Coast Guard Reserve, 7,000.

The Senate amendment contained a provision (sec. 411) that would authorize the following end strengths for Selected Reserve personnel of the Armed Forces as of September 30, 2019: the Army National Guard, 343,500; the Army Reserve, 199,500; the Navy Reserve, 59,000; the Marine Corps Reserve, 38,500; the Air National Guard of the United States, 106,600; the Air Force Reserve, 69,800; and the Coast Guard Reserve, 7,000.

The Senate recesses.

*End strengths for reserves on active duty in support of the reserves (sec. 412)*

The House bill contained a provision (sec. 412) that would authorize the following end strengths for Reserves on Active Duty in support of the reserve components as of September 30, 2019: the Army National Guard of the United States, 30,595; the Army Reserve, 16,386; The Navy Reserve, 10,110; the Marine Corps Reserve, 2,261; the Air National Guard of the United States, 19,861; and the Air Force Reserve, 3,849.

The Senate amendment contained an similar provision (sec. 412) that would authorize the following end strengths for Reserves on Active Duty in support of the reserve components as of September 30, 2019: the Army National Guard of the United States, 30,155; the Army Reserve, 16,261; The Navy Reserve, 10,101; the Marine Corps Reserve, 2,261; the Air National Guard of the United States, 19,450; and the Air Force Reserve, 3,588.

The Senate recesses.

*End strengths for military technicians (dual status) (sec. 413)*

The House bill contained a provision (sec. 413) that would authorize the following end strengths for military technicians (dual status) as of September 30, 2019: the Army National Guard of the United States, 22,294; the Army Reserve, 6,492; the Air National Guard of the United States, 18,969; and the Air Force Reserve, 8,880.

The Senate amendment contained an identical provision (sec. 413).

The conference agreement includes this provision with an amendment that would authorize end strength for military technicians (dual status) for the Air National Guard of the United States at 15,861. The conferees note that this authorization aligns with the corrected President's Budget Request, which was received after both the House bill and Senate amendment were passed.

*Maximum number of reserve personnel authorized to be on active duty for operational support (sec. 414)*

The House bill contained a provision (sec. 414) that would authorize the maximum number of reserve component personnel who may be on Active Duty or full-time National Guard duty under section 115(b) of title 10, United States Code, during fiscal year 2019 to provide operational support.

The Senate amendment contained an identical provision (sec. 414).

The conference agreement includes this provision.

**SUBTITLE C—AUTHORIZATION OF APPROPRIATIONS**

*Military personnel (sec. 421)*

The House bill contained a provision (sec. 421) that would authorize appropriations for military personnel at the levels identified in the funding table in section 7401 of this Act.

The Senate amendment contained a similar provision (sec. 421).

The House recesses.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

*End strengths for commissioned officers on active duty in certain grades*

The Senate amendment contained a provision (sec. 402) that would authorize Active-Duty end strengths for officers in grades of major, lieutenant colonel, and colonel, and Navy grades of lieutenant commander, commander, and captain as of September 30, 2019.

The House bill contained no similar provision.

The Senate recesses.

*Limitation on use of funds for personnel in fiscal year 2019 in excess of statutorily specified end strengths for fiscal year 2018*

The Senate amendment contained a provision (sec. 422) that would prohibit the Department of Defense from increasing end strengths for the various military departments and components beyond the levels authorized by the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) until the Secretary of Defense submits the report on "Highest-Priority Roles and Missions of the Department of Defense and the Armed Forces" required elsewhere in this Act.

The House bill contained no similar provision.

The Senate recesses.

## **TITLE V—MILITARY PERSONNEL POLICY**

### **SUBTITLE A—OFFICER PERSONNEL POLICY**

*Repeal of requirement for ability to complete 20 years of service by age 62 as qualification for original appointment as a regular commissioned officer (sec. 501)*

The Senate amendment contained a provision (sec. 503) that would amend section 532 of title 10, United States Code, to repeal the requirement that original officer appointments may only be granted to individuals who are able to complete 20 years of commissioned service prior to reaching age 62.

The House bill contained no similar provision.

The House recedes.

*Enhancement of availability of constructive service credit for private sector training or experience upon original appointment as a commissioned officer (sec. 502)*

The House bill contained a provision (sec. 501) that would amend sections 533 and 12207 of title 10, United States Code, to permit the secretaries of the military departments additional discretion to determine the grade of certain individuals receiving an original appointment as a regular or reserve commissioned officer.

The Senate amendment contained a similar provision (sec. 504) that would amend sections 533 and 12207 of title 10, United States Code, to authorize service secretaries to award constructive credit to newly-appointed active and reserve component officers for special training or experience not to exceed the amount of constructive credit required for appointment in the grade of colonel in the Army, Air Force, and Marine Corps or captain in the Navy. This provision would also repeal the temporary authority to award constructive credit for critically necessary cyberspace-related experience.

The House recedes.

*Standardized temporary promotion authority across the military departments for officers in certain grades with critical skills (sec. 503)*

The Senate amendment contained a provision (sec. 505) that would amend chapter 35 of title 10, United States Code, by adding a new section to authorize each military service to award temporary promotions to the grade of O-3, O-4, O-5, and O-6 for officers serving in specified positions. This provision would also repeal a similar authority, which was previously only applicable to the Navy.

The House bill contained no similar provision.

The House recedes.

*Authority for promotion boards to recommend officers of particular merit be placed higher on a promotion list (sec. 504)*

The House bill contained a provision (sec. 503) that would amend sections 616, 618, and 624 of title 10, United States Code, to allow officer promotion boards to recommend officers of particular merit be placed at the top of the promotion list, and to allow the secretary of the military department concerned to re-order the promotion list accordingly.

The Senate amendment contained a similar provision (sec. 506) that would amend section 616 and section 14108 of title 10, United States Code, to authorize service secretaries to allow officer promotion selection boards to place officers of particular merit higher on a regular or reserve promotion list.

The House recedes with an amendment that would authorize service secretaries to authorize regular officer promotion selection boards to place officers higher on a promotion list.

*Authority for officers to opt out of promotion board consideration (sec. 505)*

The Senate amendment contained a provision (sec. 507) that would amend section 619 and section 14301 of title 10, United States Code, to authorize service secretaries, based on the request of an officer and only when deemed to be in the best interests of the military departments, to remove an officer from consideration by a selection board for promotion to the next higher grade.

The House bill contained no similar provision.  
The House recedes.

*Applicability to additional officer grades of authority for continuation on active duty of officers in certain military specialties and career tracks (sec. 506)*

The Senate amendment contained a provision (sec. 511) that would amend section 637a of title 10, United States Code, to authorize service secretaries to allow officers in the grade of O-2 or above serving in certain specified military specialties to remain on Active Duty until reaching 40 years of active service.

The House bill contained no similar provision.  
The House recedes.

*Alternative promotion authority for officers in designated competitive categories of officers (sec. 507)*

The Senate amendment contained a provision (sec. 510) that would authorize an alternative promotion process for officers in certain, service secretary-designated, competitive categories.

This provision would also create a term-based selective continuation process for officers not selected for promotion.

The House bill contained no similar provision.

The House recedes with a technical amendment.

*Attending Physician to the Congress (sec. 508)*

The House bill contained a provision (sec. 530) that would amend chapter 41 of title 10, United States Code, to require the grade of the attending physician to the Congress hold the grade of major general or rear admiral (upper half).

The Senate amendment contained no similar provision.

The Senate recedes.

*Matters relating to satisfactory service in grade for purposes of retirement grade of officers in highest grade of satisfactory service (sec. 509)*

The House bill contained a provision (sec. 505) that would amend section 1370 of title 10, United States Code, to clarify that the Secretary concerned may determine that an officer who committed misconduct in a lower grade has not served satisfactorily in any grade equal to or higher than that lower grade.

The Senate amendment contained a similar provision (sec. 516) that would amend section 1370 of title 10, United States Code, to: (1) Authorize a conditional determination of an officer's retired grade when the officer is under investigation for alleged misconduct at the time of retirement; (2) Authorize reopening of a determination or certification of an officer's retired grade under specified conditions; and (3) Provide that determinations of satisfactory service in grade for purposes of determining an officer's retired grade take into account the officer's service throughout a military career.

The House recedes with an amendment that would clarify that the Secretary concerned may determine that an officer who committed misconduct in a lower grade has not served satisfactorily in any grade equal to or higher than that lower grade.

*Grades of Chiefs of Chaplains (sec. 510)*

The House bill contained a provision (sec. 509) that would amend section 3073, 5142, and 8039 of title 10, United States Code, to require that the Chief of Chaplains for each military department, while so serving, hold the grade of major general

for the Army and Air Force, or rear admiral (upper half) for the Navy.

The Senate amendment contained a similar provision (sec. 519) that would require the Secretary of Defense to specify a common grade across the military services for the positions of Chief of Chaplains.

The Senate amendment contained another similar provision (sec. 520) that would require service secretaries to submit a report to the Committees on Armed Services of the Senate and the House of Representatives that would provide written justification in the event an individual holding a rank below major general or rear admiral is appointed to the position of Service Chief of Chaplains.

The Senate recesses.

*Repeal of original appointment qualification requirement for warrant officers in the regular Army (sec. 511)*

The Senate amendment contained a provision (sec. 518) that would repeal section 3310 of title 10, United States Code, which requires original Regular Army warrant officer appointment be made from persons who have served at least 1 year on Active Duty in the Army.

The House bill contained no similar provision.

The House recesses.

*Reduction in number of years of active naval service required for permanent appointment as a limited duty officer (sec. 512)*

The Senate amendment contained a provision (sec. 517) that would amend section 5589(d) of title 10, United States Code, to offer permanent appointments to limited duty officers who have completed at least 8 years of active naval service.

The House bill contained no similar provision.

The House recesses.

*Authority to designate certain reserve officers as not to be considered for selection for promotion (sec. 513)*

The Senate amendment contained a provision (sec. 522) that would amend section 14301 of title 10, United States Code, to authorize service secretaries to defer promotion consideration for reserve component servicemembers in a non-participatory, membership-only status.

The House bill contained no similar provision.

The House recesses.

*GAO review of surface warfare career paths (sec. 514)*

The House bill contained a provision (sec. 502) that would amend chapter 602 of title 10, United States Code, by adding a new section that would require the Secretary of the Navy to establish two career paths for surface warfare officers. The Secretary would be required to establish one career path in ship engineering systems and another in ship operations and combat systems, not later than January 1, 2021.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Comptroller General of the United States to submit a report to the congressional defense committees on surface warfare officer career paths.

## **SUBTITLE B—RESERVE COMPONENT MANAGEMENT**

*Authorized strength and distribution in grade (sec. 515)*

The House bill contained a provision (sec. 512) that would amend section 12011(a) and section 12012(a) of title 10, United States Code, to increase the total number of available control grade positions, which includes O-4, O-5, O-6, E-8, and E-9, authorized for the Air National Guard.

The Senate amendment contained no similar provision.

The Senate recedes.

*Repeal of prohibition on service on Army Reserve Forces Policy Committee by members on active duty (sec. 516)*

The Senate amendment contained a provision (sec. 524) that would amend section 10302 of title 10, United States Code, to permit the Army National Guard of the United States and United States Army Reserve officers serving on Active Duty to serve on the Army Reserve Forces Policy Committee.

The House bill contained no similar provision.

The House recedes.

*Expansion of personnel subject to authority of the Chief of the National Guard Bureau in the execution of functions and missions of the National Guard Bureau (sec. 517)*

The Senate amendment contained a provision (sec. 523) that would amend section 10508 of title 10, United States Code, to clarify the authority of the Chief of the National Guard Bureau

to employ persons under certain provisions of title 5, United States Code, in furtherance of meeting the requirements of section 1053 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as amended by section 1084 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) and section 1083 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The House bill contained no similar provision.

The House recesses with an amendment that would remove the reference to military technicians.

*Authority to adjust effective date of promotion in the event of undue delay in extending Federal recognition of promotion (sec. 518)*

The House bill contained a provision (sec. 513) that would amend section 14308(f) of title 10, United States Code, to provide that the date of rank of a National Guard officer is the date on which the promotion of that officer is approved by the State concerned, and would require the secretaries concerned to report to the Congress when a promotion scroll exceeds 200 days between date received and its date of publication.

The Senate amendment contained a similar provision (sec. 521) that would amend section 14308(f) of title 10, United States Code, to allow service secretaries to adjust the effective date of promotion for officers in the reserve component if the secretary concerned determines there was an undue delay in the federal recognition process and the delay is not attributable to the action, or inaction, of the officer concerned.

The House recesses.

*National Guard Youth Challenge Program (sec. 519)*

The House bill contained a provision (sec. 516) that would amend section 509(h) of title 32, United States Code, to authorize the transfer of additional national, state, and local equipment and facilities to the National Guard Youth Challenge program.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would authorize the Department of Defense to transfer equipment and facilities to the National Guard for the purposes of carrying out the National Guard Youth Challenge program.

*Extension of authority for pilot program on the use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters (sec. 520)*

The House bill contained a provision (sec. 514) that would extend the authority of the pilot program on the use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters until 2021.

The Senate amendment contained no similar provision.  
The Senate recesses.

## **SUBTITLE C—GENERAL SERVICE AUTHORITIES AND CORRECTION OF MILITARY RECORDS**

*Enlistments vital to the national interest (sec. 521)*

The House bill contained a provision (sec. 521) that would modify section 504(b) of title 10, United States Code, to clarify requirements for certain enlistments vital to the national interest.

The Senate amendment contained no similar provision.

The Senate recesses with a technical amendment that would further clarify the requirements for these enlistments. The conferees believe the Military Accessions Vital to National Interest, or MAVNI, program continues to be an important option for the acquisition of certain critical skills for military service.

*Statement of benefits (sec. 522)*

The House bill contained a provision (sec. 522) that would require the Secretary of Defense to provide Active Duty and Reserve service members an authoritative assessment of their earned GI Bill benefits prior to separation, retirement, or release from Active Duty or demobilization.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require the Secretary of Defense to provide an assessment of benefits to members of the reserve component upon release from active duty.

*Modification to forms of support that may be accepted in support of the mission of the Defense POW/MIA Accounting Agency (sec. 523)*

The House bill contained a provision (sec. 523) that would amend subsection (a) of section 1501a of title 10, United States

Code, to modify the forms of support that may be accepted by the Defense POW/MIA Accounting Agency (DPAA) in support of its mission. The provision would authorize an employee of a non-government entity that has entered into a public-private partnership, cooperative agreement, or grant arrangement with, or in direct support of the DPAA, to be considered as an employee of the Federal government by reason of participation in such partnership, cooperative agreement, or grant arrangement only for purposes relating to maintenance of records on individuals under section 552a of title 5, United States Code. In addition, the provision would authorize DPAA to accept gifts in support of its mission and would specify how DPAA could use such gifts.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Assessment of Navy standard workweek and related adjustments  
(sec. 524)*

The Senate amendment contained a provision (sec. 531) that would require the Secretary of the Navy to conduct an assessment of the Navy standard workweek and update relevant instructions and policy documents.

The House bill contained no similar provision.

The House recesses with a technical amendment.

The conferees agree on the importance of regularly assessing the sufficiency of unit-level manning to accomplish assigned tasks.

The conferees note that the House report accompanying H.R. 5515 (H. Rept. 115-676) of the National Defense Authorization Act for Fiscal Year 2019 directs the Chief of Naval Operations to provide a briefing on how the Navy is addressing crew fatigue, watch rotations, and overall workload for crewmembers of surface ships. The conferees direct the Chief of Naval Operations to provide this briefing to both the Committee on Armed Services of the Senate and the House of Representatives. The conferees further direct the Secretary of the Navy to include in this briefing any preliminary findings related to this provision.

*Notification on manning of afloat naval forces (sec. 525)*

The Senate amendment contained a provision (sec. 532) that would require the Secretary of the Navy to maintain manning of ships assigned to the Forward Deployed Naval Forces at levels not less than the levels established for each ship class.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Navy to notify the congressional defense committees if the manning of a battle force ship drops below specified levels.

*Navy watchstander records (sec. 526)*

The Senate amendment contained a provision (sec. 533) that would require the Secretary of the Navy to require key watchstanders on Navy surface ships to maintain a career record of watchstanding hours and specific operational evolutions.

The House bill contained no similar provision.

The House recedes with an amendment that would add the conning officer or piloting officer and engineering officer of the watch to the definition of key watchstanders, as well as require briefings to the Committees on Armed Services of the Senate and the House of Representatives.

*Qualification experience requirements for certain Navy watchstations (sec. 527)*

The Senate amendment contained a provision (sec. 534) that would require the Secretary of the Navy to submit a report to the congressional defense committees on the adequacy of individual training for certain Navy watchstations, including any planned or recommended changes in qualification standards.

The House bill contained no similar provision.

The House recedes with an amendment that would add the conning officer or piloting officer and engineering officer of the watch to the watchstations covered by the report.

## **SUBTITLE D—MILITARY JUSTICE**

*Inclusion of strangulation and suffocation in conduct constituting aggravated assault for purposes of the Uniform Code of Military Justice (sec. 531)*

The Senate amendment contained a provision (sec. 542) that would amend section 928 of title 10, United States Code (article 128 of the Uniform Code of Military Justice), to include strangulation and suffocation in conduct constituting aggravated assault for purposes of the Uniform Code of Military Justice.

The House bill contained no similar provision.  
The House recesses.

*Punitive article on domestic violence under the Uniform Code of Military Justice (sec. 532)*

The House bill contained a provision (sec. 532) that would amend subchapter X of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), to add a new section 928a regarding domestic violence.

The Senate amendment contained a similar provision (sec. 541).

The House recesses with an amendment that would remove the proposed definitions of immediate family, intimate partner, protection order, strangling, suffocating, and violent offense so that these elements can be defined through changes to the Manual for Courts-Martial.

*Authorities of Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces (sec. 533)*

The House bill contained a provision (sec. 533) that would amend section 546 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) to require the Department of Defense to provide information to the Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces that the panel deems necessary to carry out its duties.

The Senate amendment contained a similar provision (sec. 543) that would amend section 546 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) to authorize the Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces (Advisory Committee) to hold hearings and to require other Federal agencies to provide information requested by the Advisory Committee. These authorities are similar to authorities provided to the prior congressionally-mandated, sexual assault-related Response Systems Panel and Judicial Proceedings Panel.

The House recesses with an amendment that would require Federal agencies providing information to the Advisory Committee to take steps to prevent the unauthorized disclosure of personally identifiable information.

*Report on feasibility of expanding services of the Special Victims' Counsel to victims of domestic violence (sec. 534)*

The Senate amendment contained a provision (sec. 545) that would amend section 1044e of title 10, United States Code, to expand eligibility for Special Victims' Counsel services to victims of domestic violence and other aggravated violent offenses.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, in consultation with the Secretaries of the military departments, to submit a report to the Committees on Armed Services of the Senate and the House of Representatives regarding the feasibility and advisability of expanding eligibility for the Special Victims' Counsel program.

*Uniform command action form on disposition of unrestricted sexual assault cases involving members of the Armed Forces (sec. 535)*

The Senate amendment contained a provision (sec. 548) that would require the Secretary of Defense to establish a uniform command action form, applicable across the Armed Forces, for reporting the final disposition of certain sexual assault cases.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the mandatory elements of the form, allowing the Department to determine the information that would be included in the form.

*Standardization of policies related to expedited transfer in cases of sexual assault or domestic violence (sec. 536)*

The House bill contained a provision (sec. 543) that would require the Secretary of Defense to standardize the expedited transfer procedures for servicemembers who are the victim of sexual assault, regardless of whether their cases are handled by the Sexual Assault Prevention and Response Program or the Family Advocacy Program, and would require the Secretary to establish a transfer policy for service members whose dependent is the victim of sexual assault perpetrated by an unrelated service member.

The Senate amendment contained a similar provision (sec. 547) that would require the Secretary of Defense to expand eligibility for expedited transfer to servicemembers who are victims of sexual assault and physical domestic violence.

The Senate recedes with an amendment that would require the Secretary of Defense to standardize the expedited transfer procedures for service members who are victims of sexual assault or physical domestic violence.

## **SUBTITLE E—OTHER LEGAL MATTERS**

*Clarification of expiration of term of appellate military judges of the United States Court of Military Commission Review (sec. 541)*

The Senate amendment contained a provision (sec. 546) that would amend section 950f of title 10, United States Code, to clarify the expiration of the term of an appellate military judge of the United States Court of Military Commission Review.

The House bill contained no similar provision.

The House recesses.

*Security clearance reinvestigation of certain personnel who commit certain offenses (sec. 542)*

The House bill contained a provision (sec. 541) that would amend section 1564 of title 10, United States Code, to require the Secretary of Defense to conduct a security clearance background reinvestigation under expedited procedures for flag officers and Senior Executive Service personnel employed by the Department of Defense convicted of sexual assault, sexual harassment, fraud against the United States, or other serious crimes.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would clarify requirements related to those individuals who have separated from the Department of Defense.

*Development of oversight plan for implementation of Department of Defense harassment prevention and response policy (sec. 543)*

The House bill contained a provision (sec. 544) that would require the Department of Defense to develop an oversight plan and provide a report to the Committees on Armed Services of the Senate and the House of Representatives for implementation of the Department of Defense Harassment Prevention and Response policy.

The Senate amendment contained no similar provision.

The Senate recesses with a clarifying amendment.

*Oversight of registered sex offender management program (sec. 544)*

The House bill contained a provision (sec. 536) that would require the Secretary of Defense to designate a single official

or entity within the Office of the Secretary of Defense to serve as the official or entity with principal responsibility for providing oversight of the registered sex offender management program of the Department.

The Senate amendment contained no similar provision.

The Senate recesses with a clarifying amendment.

*Development of resource guides regarding sexual assault for the military service academies (sec. 545)*

The House bill contained a provision (sec. 545) that would require each Superintendent of a military service academy to develop and maintain a resource guide on sexual assault, and distribute the guide to all cadets and midshipmen at the academy.

The Senate amendment contained no similar provision.

The Senate recesses with a clarifying amendment.

*Improved crime reporting (sec. 546)*

The House bill contained a provision (sec. 535) that would require the Secretary of Defense to establish a consolidated tracking process to ensure increased oversight of the timely submission of crime reporting data to the Federal Bureau of Investigation.

The Senate amendment contained no similar provision.

The Senate recesses with a clarifying amendment.

*Report on victims of sexual assault in reports of military criminal investigative organizations (sec. 547)*

The House bill contained a provision (sec. 546) that would require the Secretary of Defense, through the Defense Advisory Committee on Investigations, Prosecutions, and Defense of Sexual Assault in the Armed Forces, to provide a report every 2 years on the frequency with which victims of sexual offenses identified in military criminal investigative organization cases are accused of or punished for misconduct considered collateral to the investigation of sexual assault.

The Senate amendment contained a similar provision (sec. 549) that would require the inclusion of information on certain collateral misconduct of victims of sexual assault in annual reports on sexual assault involving members of the Armed Forces.

The Senate recesses.

## **SUBTITLE F—MEMBER EDUCATION, TRAINING, RESILIENCE, AND TRANSITION**

### *Permanent career intermission program (sec. 551)*

The House bill contained a provision (sec. 551) that would amend chapter 40 of title 10, United States Code, by adding section 710 and removing all references to the program as a pilot program, making the Career Intermission Program a permanent authority.

The Senate amendment contained no similar provision.  
The Senate recesses.

### *Improvements to Transition Assistance Program (sec. 552)*

The House bill contained a provision (sec. 552) that would amend section 1142 of title 10, United States Code, to improve the Transition Assistance Program by: (1) Establishing at least three transition counseling pathways for servicemembers; (2) Requiring the Department of Defense to provide a copy of the joint service transcript to a servicemember prior to transition to veteran status and to transmit the transcript to the Secretary of Veterans Affairs; and (3) Allowing transitioning servicemembers to select a portion of the content covered during the transition assistance period of instruction.

The Senate amendment contained a provision (sec. 5501) that would require a report from the Secretary of Defense on participation by servicemembers in the Transition Assistance Program under section 1144 of title 10, United States Code.

The Senate recesses with an amendment that would remove the requirement for the Secretary of Veterans Affairs to ensure that a separated, retired, or discharged servicemember can access the member's joint service transcript from a web site of the Department of Veterans Affairs.

### *Repeal of program on encouragement of postseparation public and community service (sec. 553)*

The Senate amendment contained a provision (sec. 555) that would repeal section 1143a of title 10, United States Code, to strike all references to the Department of Defense's program to encourage members and former members of the Armed Forces to enter into public and community service jobs after discharge or release from Active Duty.

The House bill contained no similar provision.  
The House recesses with a technical amendment.

*Clarification of application and honorable service requirements under the Troops-to-Teachers Program to members of the Retired Reserve (sec. 554)*

The Senate amendment contained a provision (sec. 553) that would amend section 1154(d)(2)(B) of title 10, United States Code, to require that members transferred to the Retired Reserve who wish to submit applications to participate in the Troops-to-Teachers program must do so not later than 3 years after the date of the transfer. This provision would apply the same application submission requirement to members transferred to the Retired Reserve in the same way the requirement currently applies to eligible members who are retired, separated, or released from Active Duty.

The House bill contained no similar provision.

The House recesses.

*Employment and compensation of civilian faculty members at the Joint Special Operations University (sec. 555)*

The House bill contained a provision (sec. 553) that would amend section 1595(c) of title 10, United States Code, to add the Joint Special Operations University to the list of covered institutions with authority to hire civilian faculty under title 10.

The Senate amendment contained an identical provision (sec. 1106).

The conference agreement includes this provision.

*Program to assist members of the Armed Forces in obtaining professional credentials (sec. 556)*

The House bill contained a provision (sec. 554) that would amend section 2015 of title 10, United States Code, to further assist members of the Armed Forces in obtaining professional credentials.

The Senate amendment contained a similar provision (sec. 556) that would amend section 2015 of title 10, United States Code, to authorize the Secretary of the Defense and the Secretary of Homeland Security to enable members of the Armed Forces to obtain professional credentials that do not relate to military training if the Secretary concerned determines it is in the best interests of the United States.

The Senate recesses.

*Enhancement of authorities in connection with Junior Reserve Officers' Training Corps programs (sec. 557)*

The House bill contained a provision (sec. 560C) that would authorize a Service Secretary to offer to convert closing Junior Reserve Officers' Training Corps (JROTC) units to National Defense Cadet Corps programs in lieu of closing the unit. The provision would also provide additional authority to administer JROTC unit instructors, travel funding, and program data.

The Senate amendment contained a similar provision (sec. 557) that would amend chapter 102 of title 10, United States Code, by requiring the Secretary of Defense to offer to convert closing JROTC detachments into National Defense Cadet Corps organizations. This provision would also provide flexibility to service secretaries in setting JROTC instructor hiring and compensation policy. Additionally, the provision would require the Secretary of Defense to standardize JROTC detachment data collection methods and policy across the military departments.

The House recesses.

*Expansion of period of availability of Military OneSource program for retired and discharged members of the Armed Forces and their immediate families (sec. 558)*

The House bill contained a provision (sec. 557) that would extend the duration of availability of the Military OneSource program for servicemembers and their immediate family members for at least 1 year after their separation or retirement.

The Senate amendment contained a similar provision (sec. 567).

The House recesses.

*Prohibition on use of funds for attendance of enlisted personnel at senior level and intermediate level officer professional military education courses (sec. 559)*

The Senate amendment contained a provision (sec. 554) that would prohibit the use of any funds authorized to be appropriated for the Department of Defense for the purpose of the attendance of enlisted personnel at senior level and intermediate level officer professional military education courses. The provision would also repeal section 547 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The House bill contained no similar provision.

The House recesses with an amendment that would continue to allow enlisted personnel to attend courses offered by the National Defense Intelligence College.

## **SUBTITLE G—DEFENSE DEPENDENTS' EDUCATION**

*Assistance to schools with military dependent students (sec. 561)*

The House bill contained a provision (sec. 563) that would authorize \$40.0 million for the purpose of providing assistance to local educational agencies with military dependent students and \$10.0 million for local educational agencies eligible to receive a payment for children with severe disabilities.

The Senate amendment contained a similar provision (sec. 561) that would authorize \$40.0 million in Operation and Maintenance, Defense-wide, for continuation of the Department of Defense (DOD) assistance program to local educational agencies impacted by enrollment of dependent children of military members and DOD civilian employees.

The Senate amendment contained another similar provision (sec. 562) that would authorize \$10.0 million in Operation and Maintenance, Defense-wide, for impact aid payments for children with severe disabilities (as enacted by Public Law 106-398; 114 Stat. 1654A-77; 20 U.S.C. 7703a) using the formula set forth in section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106-398), for continuation of Department of Defense assistance to local educational agencies that benefit eligible dependents with severe disabilities. Subsection (b) of the provision would allow the Secretary of Defense to use \$5.0 million of the total amount authorized for payments to local educational agencies with higher concentrations of military children with severe disabilities at the Secretary's discretion and without regard to the formula set forth in section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106-398).

The House recesses with a technical amendment.

*Department of Defense Education Activity policies and procedures on sexual harassment of students of Activity schools (sec. 562)*

The Senate amendment contained a provision (sec. 563) that would equally apply the provisions contained in title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.), with respect to education programs and activities receiving Federal financial assistance, to the education programs and activities administered by the Department of Defense Education Activity (DODEA). The provision would require DODEA to establish policies and procedures, not later than March 31, 2019, to protect students at DODEA schools who are victims of sexual harassment.

The House bill contained no similar provision.  
The House recesses.

*Department of Defense Education Activity misconduct database  
(sec. 563)*

The House bill contained a provision (sec. 564) that would require the Secretary of Defense to establish a comprehensive policy regarding reporting and tracking juvenile misconduct cases occurring in Department of Defense Education Activity schools and to consolidate the various databases for reporting and tracking of juvenile misconduct occurring in such schools into a single comprehensive database.

The Senate amendment contained no similar provision.  
The Senate recesses with a clarifying amendment.

*Assessment and report on active shooter threat mitigation at  
schools located on military installations (sec. 564)*

The House bill contained a provision (sec. 570) that would require the Secretary of Defense to conduct an assessment of strategies that may be used to reduce the security threat posed by active shooter incidents at public elementary schools and secondary schools located on the grounds of Federal military installations. The Secretary would submit a report on the results of the assessment to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require the Secretary to submit the report to the Committees on Armed Services of the Senate and the House of Representatives.

## **SUBTITLE H—MILITARY FAMILY READINESS MATTERS**

*Department of Defense Military Family Readiness Council matters  
(sec. 571)*

The Senate amendment contained a provision (sec. 571) that would amend paragraphs (1)(B) and (2) of subsection (b) of section 1781a of title 10, United States Code, to: (1) Authorize a change in membership of the Military Family Readiness Council (MFRC); and (2) Change the term of service from 3 years to 2 years for military family organizations serving on the MFRC. The provision would also amend subsection (d), paragraph 2, of such

section to require the MFRC to review and make recommendations to the Secretary of Defense to improve collaboration, awareness, and promotion of accurate and timely military family readiness information and support services by policy makers, service providers, and targeted beneficiaries. Finally, the provision would amend subsection (e) of such section to change the submission date for the MFRC's annual report from February 1 to July 1 of each year.

The House bill contained no similar provision.

The House recesses.

*Enhancement and clarification of family support services for family members of members of special operations forces (sec. 572)*

The House bill contained a provision (sec. 561) that would amend section 1788a of title 10, United States Code, to provide greater flexibility to support the family requirements of Special Operations personnel by increasing the funds available for such activities under Major Force Program 11 from \$5.0 million to \$10.0 million. This section would also define the term "family support services" to provide clarity and authorize proper expenditures of appropriated funds.

The Senate amendment contained a similar provision (sec. 566) that would modify section 1788a of title 10, United States Code, pertaining to the authority for the Commander, U.S. Special Operations Command to conduct support programs for immediate family members of members of the Armed Forces assigned to special operations forces. The modification was intended to clarify the types of support services that are authorized under this program.

The Senate recesses with an amendment that would increase the amounts available for Major Force Program 11 from \$5.0 million to \$10.0 million to support programs for immediate family members of members of the Armed Forces assigned to special operations forces and would also define the term "family support services" to provide clarity and authorize proper expenditures of appropriated funds.

*Temporary expansion of authority for noncompetitive appointments of military spouses by Federal agencies (sec. 573)*

The House bill contained a provision (sec. 569) that would expand the authority for noncompetitive appointments of military spouses by federal agencies during the 2-year period beginning on the date of the enactment of this Act.

The Senate amendment contained a provision (sec. 568) that would amend section 3330d of title 5, United States Code, to authorize the head of a Federal agency to appoint non-competitively either a spouse of a member of the Armed Forces on Active Duty or a spouse of a disabled or deceased member of the Armed Forces.

The House recedes with an amendment that would require the Director of the Office of Personnel Management to: (1) Monitor the number of such non-competitive appointments; (2) Require the head of each agency with authority to make such appointments under this provision to submit an annual report to the Director, which includes information on the number of individuals appointed, types of positions filled, and the effectiveness of the authority for such appointments; and (3) Submit a report, not later than 2 and 4 years after the date of the enactment of this Act, to the Committee on Oversight and Government Reform of the House of Representatives and the Committee on Homeland Security and Government Affairs of the Senate on the effectiveness of this authority. Finally, the amendment would require the Director to treat non-relocating spouses as relocating spouses under this authority and would authorize limitation of the number of appointments of such spouses. The amended provision would sunset on the date that is 5 years after the date of the enactment of this Act.

*Improvement of My Career Advancement Account program for military spouses (sec. 574)*

The Senate amendment contained a provision (sec. 569) that would require the Secretary of Defense to take appropriate actions to ensure that military spouses eligible for participation in the My Career Advancement Account (MyCAA) program are made aware of the program. The provision would require the Comptroller General of the United States to submit a report to the Committees on Armed Services of the Senate and the House of Representatives within 180 days of the date of the enactment of this Act, providing recommendations regarding mechanisms: (1) To increase awareness of the program among eligible military spouses; and (2) To increase participation in the program. Additionally, the provision would require the service secretaries to take actions to ensure career counselors at military installations receive appropriate training and current information on eligibility and benefits utilization under the MyCAA program, including financial assistance for the costs associated with portability of occupational licenses, professional credentials exams, and professional re-certification.

The House bill contained no similar provision.  
The House recesses with a technical amendment.

*Assessment and report on the effects of permanent changes of station on employment among military spouses (sec. 575)*

The House bill contained a provision (sec. 565) that would require the Secretary of Defense to submit a report to Congress assessing the effects that frequent permanent changes of station of servicemembers have on employment of military spouses.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require the Secretary of Defense to conduct an assessment and to provide a report by February 1, 2019, to the Committees on Armed Services of the Senate and the House of Representatives assessing the effects that permanent changes of station have on employment of military spouses.

*Provisional or interim clearances to provide childcare services at military childcare centers (sec. 576)*

The Senate amendment contained a provision (sec. 573) that would require the Secretary of Defense to implement a policy to permit the issuance of clearances, on a provisional or interim basis, for the provision of supervised childcare services by personnel at military childcare centers. This provision would provide that any clearance issued under the policy shall be temporary and contingent upon the satisfaction of the requirements for issuance of a clearance on a permanent basis.

The House bill contained no similar provision.

The House recesses.

*Multidisciplinary teams for military installations on child abuse and other domestic violence (sec. 577)*

The Senate amendment contained a provision (sec. 572) that would require the service secretaries to establish and maintain multidisciplinary teams on child abuse and other domestic violence at military installations to: (1) Share information among teams and other appropriate personnel regarding the progress of investigations and the resolution of incidents of child abuse and other domestic violence involving members of the Armed Forces stationed at or assigned to installations; (2) Provide for and enhance collaborative efforts among teams and other appropriate personnel of the installations regarding investigations into and resolution of incidents; (3) Enhance the social services available to military families at the

installations in connection with incidents, including through the enhancement of cooperation among specialists and other personnel providing services to military families in connection with incidents; and (4) Conduct other duties regarding the response to child abuse and other domestic violence at the installations as the Secretary concerned considers appropriate. The provision would prescribe the composition, expertise and training, and ongoing responsibilities (including coordination and collaboration with non-military services or resources on child abuse or other domestic violence) of teams. Additionally, the provision would require each Secretary concerned to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, not later than March 1, each year through 2022, on the activities of multidisciplinary teams under their jurisdiction during the preceding year.

The House bill contained no similar provision.

The House recedes with a technical amendment.

*Pilot program for military families: prevention of child abuse and training on safe childcare practices (sec. 578)*

The Senate amendment contained a provision (sec. 574) that would require the Secretary of Defense, acting through the Defense Health Agency, to conduct a pilot program at military installations to assess the feasibility and advisability of universal home visits to provide eligible covered beneficiaries and their families training on safe childcare practices aimed at: (1) Reducing child abuse and fatalities due to abuse and neglect; (2) Assessing risk factors for child abuse; and (3) Connecting families with community resources to meet identified needs.

The provision would prescribe the scope and elements of the pilot program, including the requirement for home visits of eligible beneficiaries by a team led by a nurse, whenever practicable. The Secretary would be required to inform all eligible beneficiaries of the program and participation in the program would be at the election of the beneficiary. In conducting the pilot program, the Secretary would carry out not fewer than five implementation assessments to assess the feasibility of the elements and requirements of the program. These assessments would occur at not less than 5 military installations and conclude not later than 2 years after the date of the enactment of this Act.

The Secretary would submit an initial report to the Committees on Armed Services of the Senate and the House of Representatives, not later than 180 days after the date of the enactment of this Act, which describes how the Department would

carry out the program. The Department would then submit a final report to the same committees not later than 180 days after completion of the pilot program. Finally, the provision would require the Secretary to implement the pilot program at all military installations if he determines that any element of the program is effective.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to conduct a pilot program of up to 2 years duration at no fewer than five military installations to: (1) Provide information regarding safe childcare practices to covered households; (2) Identify and assess risk factors for child abuse in covered households; and (3) Facilitate connections between covered households and community resources. The amendment would require an initial and final report of the pilot program, as specified above, and would require the Secretary to implement an element of the program permanently if he determines it is effective.

*Assessment and report on small business activities of military spouses on military installations in the United States (sec. 579)*

The Senate amendment contained a provision (sec. 576) that would require the Secretary of Defense to submit a report to Congress providing an assessment of the feasibility and advisability of permitting military spouses to engage in small business activities on military installations in the United States in partnership with commissaries, exchange stores, and other morale, welfare, and recreation facilities of the Armed Forces.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to provide the report to the Committees on Armed Services of the Senate and the House of Representatives not later than March 1, 2019.

## **SUBTITLE I—DECORATIONS AND AWARDS**

*Atomic veterans service certificate (sec. 581)*

The House bill contained a provision (sec. 560) that would require the Secretary of Defense to design and produce an Atomic Veterans Service Medal to honor retired and former servicemembers who are radiation-exposed veterans.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require the Secretary of Defense to design and produce an Atomic Veterans Service Certificate to honor retired and former servicemembers who are radiation-exposed veterans.

The conferees encourage the Secretary to consider an appropriate medal or award to recognize radiation-exposed servicemembers.

*Award of medals or other commendations to handlers of military working dogs (sec. 582)*

The House bill contained a provision (sec. 573) that would require the Secretary of each military department to provide for the award of one or more medals or other commendations to handlers of military working dogs, and to military working dogs, to recognize valor or meritorious achievement by such handlers and dogs.

The Senate amendment contained a similar provision (sec. 582) that would require the Secretary of each military department to establish a program for awarding one or more medals or other commendations to handlers of military working dogs.

The House recesses with an amendment that would clarify that the Secretary may use an existing award to carry out the program.

*Authorization for award of distinguished-service cross to Justin T. Gallegos for acts of valor during Operation Enduring Freedom (sec. 583)*

The House bill contained a provision (sec. 574) that would authorize the Secretary of the Army to award the Distinguished Service Cross to Justin T. Gallegos for acts of value while serving in Afghanistan on October 3, 2009.

The Senate amendment contained a similar provision (sec. 581) that would authorize the Secretary of the Army to award the Distinguished Service Cross to Staff Sergeant Justin T. Gallegos for acts of valor while serving in Afghanistan on October 3, 2009.

The Senate recesses.

## **SUBTITLE J—MISCELLANEOUS REPORTS AND OTHER MATTERS**

*Annual defense manpower requirements report matters (sec. 591)*

The Senate amendment contained a provision (sec. 502) that would amend section 115a of title 10, United States Code, to require the Annual Defense Manpower Requirements Report be submitted on the same day as the date on which the President submits the budget request for the next fiscal year to Congress.

The provision would also require the Secretary of Defense to include two new elements in the Annual Defense Manpower Requirements Report. These new elements are: (1) The anticipated promotion opportunity for officer promotion boards expected to occur during the upcoming fiscal year; and (2) The number of officers required to serve during the upcoming fiscal year in the rank of major, lieutenant colonel, and colonel for the Army, Air Force, and Marine Corps and lieutenant commander, commander, and captain for the Navy.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Annual Defense Manpower Requirements Report to include a specification of anticipated promotion opportunity for officer promotion boards expected to occur during the upcoming fiscal year. The amendment would also require the report to be submitted on the same day as the date on which the President submits the budget request for the next fiscal year to Congress.

*Burial of unclaimed remains of inmates at the United States Disciplinary Barracks Cemetery, Fort Leavenworth, Kansas (sec. 592)*

The Senate amendment contained a provision (sec. 596) that would amend section 985 of title 10, United States Code, to authorize burial at the United States Disciplinary Barracks Cemetery at Fort Leavenworth, Kansas, of the remains of military prisoners unclaimed by a person authorized to direct disposition of the remains or by other persons legally authorized to dispose of the remains.

The House bill contained no similar provision.

The House recedes.

*Standardization of frequency of academy visits of the Air Force Academy Board of Visitors with academy visits of boards of other military service academies (sec. 593)*

The Senate amendment contained a provision (sec. 592) that would amend section 9355 of title 10, United States Code, to require the United States Air Force Academy Board of Visitors to visit the Air Force Academy at least annually. This provision would align United States Air Force Academy Board of Visitor meeting requirements with other military service academies.

The House bill contained no similar provision.  
The House recesses.

*National Commission on Military, National, and Public Service matters (sec. 594)*

The Senate amendment contained a provision (sec. 595) that would amend sections 551 and 555 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to revise certain definitions and procedural requirements related to the National Commission on Military, National, and Public Service.

The House bill contained no similar provision.  
The House recesses.

*Public availability of top-line numbers of deployed members of the Armed Forces (sec. 595)*

The House bill contained a provision (sec. 581) that would require the Secretary of Defense to publicly make available the top-line numbers of members of the Armed Forces deployed for each country. The Secretary would be able to waive the requirement in the case of a sensitive military operation if he determines the public disclosure of such numbers could reasonably be expected to provide an operational military advantage to an adversary, or the members of the Armed Forces are deployed for less than 30 days.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require the Secretary of Defense to provide notification to the Committees on Armed Services of the Senate and the House of Representatives of any waivers issued to the requirement to make top-line number of deployed servicemembers publicly available.

*Report on general and flag officer costs (sec. 596)*

The House bill contained a provision (sec. 583) that would require the Secretary of Defense to submit a report to the congressional defense committees on the costs of supporting general and flag officers.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Study on active service obligations for medical training with other service obligations for education or training and health professional recruiting (sec. 597)*

The Senate amendment contained a provision (sec. 552) that would amend sections 2114(d) and 2123(b) of title 10, United States Code, to require that commissioned service obligations incurred as a result of participation in a military intern, residency, or fellowship training program shall be served consecutively with other commissioned service obligations incurred for education or training. This provision would apply to individuals beginning participation in medical training programs on or after January 1, 2020.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Comptroller General of the United States to submit a briefing and report on the effects of consecutive service on Active-Duty service obligations for medical training, as they relate to other service obligations for education and training, to the Committees on Armed Services of the Senate and the House of Representatives not later than 180 days after the date of the enactment of this Act.

*Criteria for interment at Arlington National Cemetery (sec. 598)*

The House bill contained a provision (sec. 582) that would require the Secretary of the Army, not later than September 30, 2019, to prescribe revised interment criteria for Arlington National Cemetery that preserve Arlington National Cemetery as an active burial ground well into the future.

The Senate amendment contained no similar provision.

The Senate recedes.

*Limitation on use of funds pending submittal of report on Army Marketing and Advertising Program (sec. 599)*

The House bill contained a provision (sec. 585) that would prohibit the Secretary of the Army from obligating 40 percent of funds available for the Army Marketing and Research Group (AMRG) for fiscal year 2019 until the Secretary of the Army submits a report on the recommendations of the Army Audit Agency audit of the Army's Marketing and Advertising Program to the Committees on Armed Services of the Senate and House of Representatives.

The Senate bill contained a similar provision (sec. 892).

The Senate recedes.

While the Secretary of the Army completes the report required under this provision, the conferees strongly encourage the Secretary to continue proactively identifying and adopting the best practices of commercial marketing techniques to better identify eligible populations. Such efforts should include a focus on methods that use data to most effectively identify,

reach, and engage potential recruits through digital and other forms of advertising to address recruiting shortfalls due to misdirected marketing campaigns.

*Proof of period of military service for purposes of interest rate limitation under the Servicemembers Civil Relief Act (sec. 600)*

The House bill contained a provision (sec. 596) that would amend section 3937(b)(1) of title 50, United States Code, to authorize verification of a servicemember's active duty status utilizing information retrieved from the Defense Manpower Database Center. The provision would also provide safe harbor to creditors that, on the basis of information obtained from the Defense Manpower Database Center, fail to treat the debt of a servicemember in accordance with interest rate limitations provided elsewhere in this section.

The Senate amendment contained no similar provision.  
The Senate recesses with a clarifying amendment.

#### **LEGISLATIVE PROVISIONS NOT ADOPTED**

*Repeal of codified specification of authorized strengths of certain commissioned officers on active duty*

The Senate amendment contained a provision (sec. 501) that would amend section 523 of title 10, United States Code, to require the Congress to annually authorize the number of officers serving in the grades of major, lieutenant colonel, and colonel in the Army, Air Force, and Marine Corps or lieutenant commander, commander, and captain in the Navy. This provision would repeal the authorized officer strength table, including all of the previous exceptions to the officer strength table.

The House bill contained no similar provision.  
The Senate recesses.

*Deferred deployment for members who give birth*

The House bill contained a provision (sec. 504) that would standardize new mother deployment deferral policy across the military services, to include the Coast Guard.

The Senate amendment contained no similar provision.  
The House recesses.

*Retention of military technicians who lose dual status under certain circumstances*

The House bill contained a provision (sec. 506) that would amend section 10216 of title 10, United States Code, to prevent dual-status military technicians who reach their time-in-service end date from losing their jobs due to separation from military service.

The Senate amendment contained no similar provision.

The House recesses.

*Demonstration program on accession of candidates with auditory impairments as Air Force officers*

The House bill contained a provision (sec. 507) that would require the Secretary of the Air Force to assess the feasibility and advisability of permitting individuals with auditory impairments (including deafness) to access as officers of the Air Force.

The Senate amendment contained no similar provision.

The House recesses.

*Report on rate of maternal mortality among members of the Armed Forces*

The House bill contained a provision (sec. 508) that would require a report from the Secretary of Defense on the rate of maternal mortality among members of the Armed Forces and their dependents not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Secretary of Defense to provide to the Committees on Armed Services of the Senate and the House of Representatives, within 180 days of the date of the enactment of this Act, a report, which includes data on maternal (pregnancy-related) and infant mortality rates in the direct and purchased care sectors of the military health system (MHS) and provides a comparison with maternal (pregnancy-related) and infant mortality rates in the United States. The report should include recommendations for decreasing those rates throughout the MHS.

*Competitive category matters*

The Senate amendment contained a provision (sec. 508) that would amend section 621 of title 10, United States Code, to require that service secretaries establish competitive categories by grouping officers occupying similar qualifications, specialties, occupations, or ratings. The

provision would also prohibit the practice of requiring service secretaries to provide consistent promotion timing or promotion opportunity among various competitive categories in each military Service.

The House bill contained no similar provision.

The Senate recesses.

#### *Promotion zone matters*

The Senate amendment contained a provision (sec. 509) that would amend section 623 of title 10, United States Code, to require service secretaries to align officer promotion zones with desired officer management outcomes described in the Annual Defense Manpower Requirements Report. The provision would also prohibit service secretaries from determining the number of officers in a promotion zone on the basis of the year in which officers receive their original appointment to their current grade, a practice commonly referred as "year group management."

The House bill contained no similar provision.

The Senate recesses.

#### *Placement of National Guard military technicians (dual status) in the competitive service*

The House bill contained a provision (sec. 511) that would amend section 10508 of title 10, United States Code, to designate dual-status military technician positions that were required to be converted to civilian employees under title 5, United States Code, in the fiscal year 2017 and 2018 National Defense Authorization Acts as competitive, not excepted, service positions.

The Senate amendment contained no similar provision.

The House recesses.

#### *National Guard Youth Challenge program*

The House bill contained a provision (sec. 515) that would amend section 509(k) of title 32, United States Code, to require the Secretary of Defense to evaluate the pilot Jobs Challenge Programs and submit a report of findings and recommendations to Congress not later than 120 days after the end of each fiscal year.

The Senate amendment contained no similar provision.

The House recesses.

#### *Use of National Guard in case of a major disaster or request from a State governor*

The House bill contained a provision (sec. 517) that would require the President to order members of the National Guard to full-time National Guard duty or Active Guard and Reserve duty if the Governor of the State requests such an order and the President declares that a major disaster exists.

The Senate amendment contained no similar provision.  
The House recesses.

*Funding of National Guard in case of a major disaster or emergency declared under the Stafford Act*

The House bill contained an provision (sec. 518) that would amend section 403(c) of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 100-707) to authorize the President to make contributions to a State or local government for the purpose of reimbursing the Department of Defense for expenditures that arise from use of members of the National Guard and Reserve to respond to a major disaster declared by the President.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that similar authority to reimburse State or local governments for disaster relief services provided by the Department of Defense already exists under section 5170b of title 42, United States Code.

*Pilot program for Explosive Ordnance Disposal-qualified members of the Army National Guard to support civil authorities*

The House bill contained a provision (sec. 519) that would authorize the Secretary of the Army to carry out a pilot program under which Explosive Ordnance Disposal-qualified members of the Army National Guard may conduct planning and immediate response defense support to civil authorities.

The Senate amendment contained no similar provision.  
The House recesses.

*Correction of military records website*

The House bill contained a provision (sec. 524) that would amend section 1552(a)(5) of title 10, United States Code, to require the Secretary of Defense to publish an indexed summary of each Board for Correction of Military Records decision.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note the substantial changes that have been made to the boards for correction of military records and

discharge review boards over the past several years. While these provisions have greatly enhanced an applicant's ability to have their application thoroughly and fairly considered by the board, it has also increased the processing time for these actions. These additional protections, coupled with the boards' staff and information technology limitations, have resulted in several of the boards repeatedly failing to meet congressionally-mandated processing times. As a result, the conferees direct the secretaries of the military departments to each provide a report by February 1, 2019, analyzing the causes of their backlogs, what efforts and being undertaken to remedy these backlogs, and what additional resources are needed to meet congressionally-mandated processing times.

*Modification of DD Form 214 to include email addresses*

The House bill contained a provision (sec. 525) that would require the Secretary of Defense to modify the Certificate of Release or Discharge from Active Duty (DD Form 214) to include a specific block explicitly identified as the location in which a member of the Armed Forces may provide one or more email addresses by which the member may be contacted.

The Senate amendment contained no similar provision.

The House recesses.

*Public availability of reports related to senior leader misconduct*

The House bill contained a provision (sec. 526) that would require the Secretary of Defense and the Secretaries of the military departments to publish, on a public website, redacted reports of substantiated investigations of misconduct in which the subject of the investigation was an officer in the grade of O-7 and above, including officers who have been selected for promotion to O-7, or a civilian member of the Senior Executive Service.

The Senate amendment contained no similar provision.

The House recesses.

*Appointment and training of personnel to staff the Board of Corrections for Military and Naval Records*

The House bill contained a provision (sec. 527) that would require the Secretary of Defense, in consultation with the service secretaries and the Joint Chiefs, to provide for the appointment and training of qualified personnel to join the staff of the Boards of Correction for Military and Naval

Records, and would authorize \$3.0 million to carry out the training.

The Senate amendment contained no similar provision.

The House recesses.

The conferees encourage the service secretaries to ensure that individuals assigned to these boards are carefully selected from individuals with appropriate experience and that they are trained to perform those duties.

*Entrepreneurial sabbatical for scientists employed at defense laboratories*

The House bill contained a provision (sec. 528) that would authorize the Secretary of Defense to prescribe regulations that permit scientists employed at defense laboratories to take unpaid sabbaticals to work in the private sector.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Department of Defense to provide a report within a year of the enactment of this Act on the execution of existing authorities for sabbaticals across the Department of Defense laboratories. The committees note their support for entrepreneurial leave practices and activities at Army Research Lab and the Department of Energy laboratory system, as well as industry and academic exchange programs.

*Completion of Department of Defense Directive 2310.07E regarding missing persons*

The House bill contained a provision (sec. 529) that would require the Secretary of Defense to complete Department of Defense Directive 2310.07E in order to improve the efficiency of locating missing persons.

The Senate amendment contained no similar provision.

The House recesses.

*Minimum confinement period required for conviction of certain sex-related offenses committed by members of the Armed Forces*

The House bill contained a provision (sec. 531) that would amend section 856(b)(1) of title 10, United States Code (article 56(b)(1) of the Uniform Code of Military Justice), to require a minimum confinement period of 2 years for individuals convicted of certain sex-related offenses.

The Senate amendment contained no similar provision.

The House recesses.

*Modification of Military Rules of Evidence to exclude admissibility of general military character toward probability of innocence in any offense not strictly related to performance of military duties*

The House bill contained a provision (sec. 534) that would amend Rule 404(a) of the Military Rules of Evidence contained in the Manual for Courts-Martial to provide that the general military character of an accused is not admissible for the purpose of showing the probability of innocence of the accused unless the offense is strictly and solely related to the performance of military duties.

The Senate amendment contained no similar provision.

The House recedes.

The conferees encourage the Secretary of Defense to direct the Joint Service Committee on Military Justice to examine this issue and provide the findings and recommendations of the study to the Committees on Armed Services of the Senate and House of Representatives no later than February 1, 2019.

*Repeal of 15-year statute of limitations on motions or requests for review of discharge or dismissal from the Armed Forces*

The Senate amendment contained a provision (sec. 535) that would amend section 1553 of title 10, United States Code, to repeal the 15-year statute of limitations on filing claims for review of a discharge or dismissal by service discharge review boards.

The House bill contained no similar provision.

The Senate recedes.

*Treatment of claims relating to military sexual trauma in correction of military records and review of discharge or dismissal proceedings*

The Senate amendment contained a provision (sec. 536) that would amend sections 1552 and 1553 of title 10, United States Code, to clarify the treatment of claims for review of a discharge or dismissal relating to military sexual trauma in correction of military records and review of discharge or dismissal proceedings.

The House bill contained no similar provision.

The Senate recedes.

*Consideration of application for transfer for a student of a military service academy who is the victim of a sexual assault or related offense*

The House bill contained a provision (sec. 542) that would require the Secretary concerned to expedite the consideration and approval of an application for an inter-academy transfer submitted by a cadet of a military academy who has been the victim of sexual assault.

The Senate amendment contained no similar provision.

The House recesses.

The Conferees believe that providing an option for a cadet or midshipman, who was sexually assaulted, to request a transfer to another academy should be explored. Therefore, the conferees direct the Secretary of Defense to study the feasibility of establishing a process to accommodate such request and provide a briefing on the results of the study to the Committee on Armed Services of the Senate and the House of Representatives not later than March 1, 2019. If the Secretary determines it is feasible to establish a process, the briefing should include any legislative authorities required.

*Protective orders against individuals subject to the Uniform Code of Military Justice*

The Senate amendment contained a provision (sec. 544) that would amend chapter 47 of title 10, United States Code, to authorize military judges and military magistrates to issue military protective orders.

The House bill contained no similar provision.

The Senate recesses.

*Definition of military sexual trauma*

The House bill contained a provision (sec. 547) that would require the Secretaries of Defense and Veterans Affairs to establish a joint definition of "military sexual trauma" for their respective Departments to use in all aspects of delivering care and benefits to members of the Armed Forces and veterans who have suffered that crime.

The Senate amendment contained no similar provision.

The House recesses.

*Consecutive service of service obligation in connection with payment of tuition for off-duty training or education for commissioned officers of the Armed Forces with any other service obligations*

The Senate amendment contained a provision (sec. 551) that would amend section 2007(b) of title 10, United States Code, to

require an Active-Duty service obligation incurred by an officer for the acceptance of tuition assistance for off-duty training or education be served sequentially with any other service obligation already incurred by the officer.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that officers who accept tuition assistance for off-duty education incur an active duty service obligation. Tuition assistance is an important retention tool and a particularly valuable benefit at a time when costs for education continue to increase. Therefore the conferees direct the Comptroller General of the United States to conduct a review of retention data associated with officers who accept tuition assistance payments. This review should, at a minimum, include the following elements: (1) The average annual number of officer personnel who accept tuition assistance, (2) The average number of years of commissioned service of officers when beginning to accept tuition assistance, (3) The average number of additional years an officer is retained on active duty following completion of tuition assistance payments; and (4) An assessment of the effect of switching the active duty service obligation for accepting tuition assistance from a policy that allows tuition assistance service obligations to be served concurrent to other service commitments an officer may have, to a policy that requires tuition assistance service obligations be served consecutively with any other active duty service obligation.

The conferees direct the Comptroller General of the United States to provide preliminary observations to the Committees on Committees on Armed Services of the Senate and the House of Representatives by the end of February 2019. At that time, a final product due date will be determined.

#### *Extension of pilot program to assist members in obtaining post-service employment*

The House bill contained a provision (sec. 555) that would amend section 555 of the Carl Levin and Howard P. ``Buck'' McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) to extend the authority for the pilot program under this section to September 30, 2023.

The Senate amendment contained no similar provision.

The House recesses.

#### *Direct employment pilot program for members of the reserve components and veterans*

The House bill contained a provision (sec. 556) that would allow the Secretary of Defense to carry out a pilot program that provides enhanced job placement and employment assistance for members of the National Guard and Reserve.

The Senate amendment contained no similar provision.

The House recesses.

*Comptroller General briefing and report on permanent employment assistance centers*

The House bill contained a provision (sec. 558) that would require the Comptroller General of the United States to provide a briefing to the Armed Services Committees of the Senate and House of Representatives, with a report to follow, on employment assistance required under the law and related information regarding civilian employment certification.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note the importance of ensuring military skills and experience can be applied to gainful civilian employment and therefore direct the Comptroller General of the United States to conduct a review of the employment assistance programs authorized by section 1143 of title 10, United States Code, and to provide preliminary observations to the Committees on Armed Services of the Senate and the House of Representatives by the end of February 2019. At that time, a final product due date will be determined.

The review shall include: (1) A description of the content of any relevant databases used to record training performed by servicemembers that may be applicable for future civilian employment; (2) A listing and description, to include usage rates, of employment assistance centers within the Department of Defense (DOD) and Department of Homeland Security (DHS); (3) An assessment of DOD and DHS procedures to release servicemember names and other pertinent information to civilian employers, organizations, and State employment agencies; and (4) An evaluation of the ability of DOD to confirm the accuracy and authenticity of a servicemember's certifications upon a State's request within the required 5 business day timeline.

*Activities to increase awareness of apprenticeship programs*

The House bill contained a provision (sec. 559) that would require the Secretary of Defense to include, as part of service members' transition counseling, information on apprenticeship programs and the use of veterans' benefits to pay for these programs.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that apprenticeships provide a valuable career option for separating servicemembers and encourage the Department of Defense to ensure information on apprenticeship programs, and appropriate funding options, is easily accessible to those servicemembers who may be interested in pursuing an apprenticeship upon separating from the military.

*Report on availability of college credit for skills acquired during military service*

The House bill contained a provision (sec. 560A) that would require the Secretary of Defense in consultation with the Secretaries of Veterans Affairs, Education, and Labor to submit to Congress a report on the transfer of skills into equivalent college credits or technical certifications for members of the Armed Forces leaving the military.

The Senate amendment contained no similar provision.  
The House recesses.

*Information regarding county veterans service officers*

The House bill contained a provision (sec. 560B) that would require the Secretary of Defense to ensure that a separating or retiring member of the Armed Forces may elect to have their Department of Defense form DD-214 transmitted to the appropriate county veterans service office.

The Senate amendment contained no similar provision.  
The House recesses.

*Transition outreach pilot program*

The House bill contained a provision (sec. 560D) that would require the Secretary of Defense, in coordination with the Secretaries of Veterans Affairs, Labor, Education, and Homeland Security, and the Administrator of the Small Business Administration, to establish a pilot program through the Transition to Veterans Program Office that fosters contact between veterans and the Department of Defense.

The Senate amendment contained no similar provision.  
The House recesses.

*Additional matters for assessment and report on childcare services of the Department of Defense*

The House bill contained a provision (sec. 562) that would add additional issues for assessment related to military family childcare under the report required by section 575 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that Senate report accompanying S. 2987 (S. Rept. 115-262) directs the Department of Defense to include in its assessment of the use of subsidized, off-installation childcare services, required by subsection (a) of section 575 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), an assessment on modifying the rate of use of subsidized, off-installation childcare services by military families in light of the full implementation of MilitaryChildCare.com, including whether the availability of off-installation childcare services for military families could be increased by altering policies of the Armed Forces on capping the amount of subsidies for military families for such services based on the cost of living for families and the average cost of civilian childcare services.

#### *Flexible maternity and parental leave*

The House bill contained a provision (sec. 566) that would require the Secretary of Defense to establish and implement policies and procedures that permit a military parent to take, if requested by the military parent, flexible and non-continuous maternity and parental leave.

The Senate amendment contained no similar provision.

The House recesses.

#### *Report on wage determination for certain programs*

The House bill contained a provision (sec. 567) that would require the Secretary of Defense, acting through the National Guard Bureau, to coordinate with the Secretary of Labor to obtain a wage determination under section 6703(1) of title 41, United States Code for contract workers at Family Assistance Centers, Family Readiness and Support programs, Yellow Ribbon Reintegration programs, and Recruit Sustainment programs.

The Senate amendment contained no similar provision.

The House recesses.

#### *Education for dependents of certain retired members of the Armed Forces*

The House bill contained a provision (sec. 568) that would amend section 2164(a) of title 10, United States Code, to allow the Secretary of Defense to enter into arrangements to provide for the elementary or secondary education of the dependents of retirees residing on a military installation if the Secretary determines that appropriate educational programs are not available through a local educational agency.

The Senate contained no similar provision.

The House recesses.

*Limitations on authority to revoke certain military decorations awarded to members of the Armed Forces*

The House bill contained a provision (sec. 571) that would amend chapters 357, 567, and 857 of title 10, United States Code, to add a new section that would restrict the President and service secretaries from revoking a military decoration after the actual award of the military decoration to the service member except under limited circumstances.

The Senate amendment contained no similar provision.

The House recesses.

*Authorization for award of Expeditionary Medal to certain Marines for actions on June 8, 1995*

The House bill contained a provision (sec. 572) that would authorize the Secretary of Defense to award the Armed Forces Expeditionary Medal to a member or former member of the 24th Marine Expeditionary Unit for the mission to rescue Captain Scott O'Grady.

The Senate amendment contained no similar provision.

The House recesses.

*Report on awards for cost-saving ideas*

The House bill contained a provision (sec. 575) that would require the Secretary of Defense to submit a report on: (1) The total number of awards and commendations presented to any military personnel for a cost-saving idea during the prior fiscal year; (2) A total estimate of the total savings as a result of the implementation of cost-saving ideas for which an award or commendation was presented; and (3) A description of how the Secretary plans to expand incentive programs for the purpose described in this section and streamline such programs.

The Senate amendment contained no similar provision.

The House recesses.

The conferees are supportive of recent Department of Defense initiatives to redesign or streamline processes to save taxpayer dollars. However, while major department-wide savings are important, frequently military and civilian personnel identify smaller cost-saving opportunities in the course of performing their normal duties. These cost-saving ideas are frequently unnoticed or ignored by the chains of command, resulting in lost opportunities to address needless waste and inefficiency. The conferees encourage service secretaries to take demonstrable steps to empower their personnel to identify and implement cost-saving ideas whenever possible, and widely publicize successes to achieve greater savings at scale.

*Pilot program on participation of military spouses in Transition Assistance Program activities*

The Senate amendment contained a provision (sec. 575) that would require the Secretary of Defense to conduct a pilot program, at not fewer than five military installations, to assess the feasibility and advisability of permitting military spouses to participate in activities under the Transition Assistance Program. The Secretary would carry out the pilot program during the 5-year period beginning on the date of the enactment of this Act. The provision would require the Secretary to submit an initial report describing the pilot program to the Committees on Armed Services of the Senate and the House of Representatives within 6 months after the date of the enactment of this Act. In addition, the Secretary would submit a final report to the same committees within 6 months after completion of the pilot program.

The House bill contained no similar provision.

The Senate recesses.

*Eligibility of veterans of Operation End Sweep for Vietnam Service Medal*

The House bill contained a provision (sec. 576) that would authorize the service secretaries, upon the application of an individual who is a veteran who participated in Operation End Sweep, to award that individual the Vietnam Service Medal.

The Senate amendment contained no similar provision.

The House recesses.

*Report on outside employment of senior personnel*

The House bill contained a provision (sec. 584) that would require the Secretary of Defense to report on senior leader outside employment requests and activities.

The Senate amendment contained no similar provision.  
The House recesses.

*Inclusion of blast exposure history in service records*

The House bill contained a provision (sec. 586) that would require the Secretary of Defense to ensure inclusion of blast exposure history in the service records of members of the Armed Forces in a manner that will assist in determining a service connection for a future illness or injury.

The Senate amendment contained no similar provision.  
The House recesses.

*Cybersecurity educational programs and awareness in Junior Reserve Officers' Training Corps*

The House bill contained a provision (sec. 587) that would require the Secretaries of the military departments to encourage the Junior Reserve Officers' Training Corps (JROTC) to include cybersecurity educational programs and awareness in the curriculum of the Corps, including lessons on cyber defense, risks of cybersecurity vulnerabilities in the military, and pursuing studies and careers in cybersecurity and related fields within the Department of Defense.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that numerous JROTC programs are already developing cyber-related educational programs as well as participating in cyber competitions and events. The conferees are supportive of these efforts and encourage service secretaries to search for and develop additional opportunities to provide cyber-related experience to JROTC participants and units.

*Publication of guidance and information on housing markets near certain military installations*

The House bill contained a provision (sec. 588) that would require the Secretary of Defense to develop and make publicly available guidance and information about the housing market around military installations in the continental United States. Such guidance and information shall be designed to assist members of the Armed Forces in better using their basic allowance for housing.

The Senate amendment contained no similar provision.  
The House recesses.

*Assistance of States for deployment-related support of members of the Armed Forces undergoing deployment and their families beyond the Yellow Ribbon Reintegration Program*

The House bill contained a provision (sec. 589) that would amend section 582 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181) to require the Secretary of Defense to provide funding to the States to carry out programs that provide deployment cycle information, services, and referrals to servicemembers, in both the active and reserve components, and their families throughout the deployment cycle.

The Senate amendment contained no similar provision.  
The House recesses.

*Exemption from repayment of voluntary separation pay*

The House bill included a provision (sec. 590) that would amend section 1175a(j) of title 10, United States Code, to exempt servicemembers involuntarily recalled to active duty or full-time National Guard duty, and servicemembers who incur a total service-connected disability in the course of such duty from the requirement to repay voluntary separation pay.

The Senate amendment included no similar provision.  
The House recesses.

*Service of wounded warriors as remotely piloted aircraft pilots or remotely piloted aircraft sensor operators in the Air Force*

The House bill contained a provision (sec. 591) that would require the Secretary of the Air Force to establish a program under which a qualified wounded warrior who faces retirement or separation from the Armed Forces for physical disability may continue, in lieu of such retirement or separation, to serve in the Armed Forces as a remotely piloted aircraft pilot or remotely piloted aircraft sensor operator in the Air Force.

The Senate amendment contained no similar provision.  
The House recesses.

*Transportation of remains of casualties; travel expenses for next of kin*

The House bill contained a provision (sec. 592) that would amend section 562 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109-364) to

require the Secretary of Defense to extend travel privileges via international travel authorization to family members of servicemembers who die outside of the United States and whose remains are returned to the United States through the mortuary facility at Dover Air Force Base, Delaware.

The Senate amendment contained no similar provision.

The House recesses.

*Garnishment to satisfy judgment rendered for physically, sexually, or emotionally abusing a child*

The House bill contained a provision (sec. 593) that would amend section 1408 of title 10, United States Code, to remove the limitations on the amount of disposable retired pay that would be subject to garnishment of retired pay to satisfy a judgement rendered for abuse of a child.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that sections 8345 and 8467 of title 5, United States Code, currently provide for the garnishment of federal civilian retirement payments, without limitation on the amount of disposable retired pay subject to garnishment, in accordance with the terms of a court order or similar process in the nature of garnishment for the enforcement of a judgment against the annuitant for physically, sexually, or emotionally abusing a child. However, section 1408 of title 10, United States Code, limits the amount of disposable military retired pay subject to garnishment for such judgments to 25 percent. The conferees therefore direct the Secretary of Defense, no later than February 1, 2019, to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives on the advisability and feasibility of removing the 25 percent cap on garnishment of disposable military retired pay.

*Redesignation of the Commandant of the United States Air Force Institute of Technology as President of the United States Air Force Institute of Technology*

The Senate amendment contained a provision (sec. 593) that would re-designate the Commandant of the United States Air Force Institute of Technology as the President of the United States Air Force Institute of Technology.

The House bill contained no similar provision.

The Senate recesses.

*Use of mobile applications for training manuals*

The House bill contained a provision (sec. 594) that would require the Secretary of Defense to encourage the military departments to transition training manuals, emergency guidance, and other publications needed to train members of the Armed Forces to applications on mobile telephones that use innovative technologies and provide for interaction between trainees and information needed to complete training in a manner that is cost efficient.

The Senate amendment contained no similar provisions.

The House recesses.

The conferees are aware of ongoing Department of Defense efforts to transition various manuals and other documents to electronic formats. These efforts are critical to increase the effectiveness of information transfer and better align the Department of Defense with private sector best practices. The conferees urge the Secretary of Defense to continue transitioning all hard-copy manuals, publications, and other documents into electronic format suitable for viewing on mobile devices.

#### *Limitation on justifications entered by military recruiters for enlistment or accession of individuals into the Armed Forces*

The Senate amendment contained a provision (sec. 594) that would restrict military recruiters from changing the reasons for an individual entering into the Armed Forces to anything other than that individual's stated reason.

The House bill contained no similar provision.

The Senate recesses.

The conferees are concerned with how the Services evaluate the effectiveness and efficiency of their marketing efforts. This Act contains a provision requiring the Army to provide a comprehensive evaluation of the Army Marketing and Advertising Program. However, the conferees are concerned that the other Services may also lack sufficient data to properly evaluate the effectiveness and efficiency of their marketing efforts. Therefore, the conferees direct the Secretary of Defense to provide a briefing, no later than February 1, 2019, on the feasibility and advisability of standardizing the methods for collecting marketing data in support of effectiveness and efficiency evaluations.

#### *Addressing attrition levels of women in the military*

The House bill contained a provision (sec. 595) that would require the Secretary of Defense to develop and carry out an exit survey to be completed by members of the Armed Forces to

assist the Secretary to assess the reasons that attrition levels for women are higher than for men at various career points not later than 1 year after the date of enactment of this Act.

The Senate amendment contained no similar provision.

The House recesses.

*Report regarding possible improvements to processing retirements and medical discharges*

The House bill contained a provision (sec. 597) that would require the Secretary of Defense, in consultation with the Secretary of Veterans Affairs, to issue a report to the congressional defense committees and the Committees on Veterans' Affairs of the Senate and House of Representatives regarding possible improvements to the transition of members of the Armed Forces to veteran status.

The Senate amendment contained no similar provision.

The House recesses.

*Chaplaincies of the Armed Forces*

The House bill contained a provision (sec. 598) that would state the purpose of the chaplaincies of the Armed Forces and the requirements to serve as a chaplain in the Armed Forces.

The Senate amendment contained no similar provision.

The House recesses.

## **TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS**

### **SUBTITLE A—PAY AND ALLOWANCES**

*Repeal of authority for payment of personal money allowances to Navy officers serving in certain positions (sec. 601)*

The Senate amendment contained a provision (sec. 602) that would amend section 414 of title 37, United States Code, to eliminate additional personal money allowance to certain naval officers serving as President of the Naval Postgraduate School, Commandant of Midshipmen at the Naval Academy, President of the Naval War College, Superintendent of the Naval Academy, or Director of Naval Intelligence.

The House bill contained no similar provision.

The House recesses.

*Eligibility of reserve component members for high-deployment allowance for lengthy or numerous deployments and frequent mobilizations (sec. 602)*

The Senate amendment contained a provision (sec. 606) that would amend section 436 of title 37, United States Code, to authorize reserve component personnel ordered to Active Duty under section 12304b of title 10, United States Code, to receive a high-deployment allowance for frequent or lengthy deployments.

The House bill contained no similar provision.

The House recesses.

*Prohibition on per diem allowance reductions based on the duration of temporary duty assignment or civilian travel (sec. 603)*

The House bill contained a provision (sec. 605) that would halt implementation of the 2014 Department of Defense per diem policy, direct the Secretary of Defense to issue a report on options to reduce travel costs, and require notification of any subsequent changes to the per diem policies following the report.

The Senate amendment contained a similar provision (sec. 631) that would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives by no later than 120 days after enactment of this Act providing a cost-benefit analysis of the long-term per diem policy rate change that became effective on November 1, 2014, consistent with the principles and requirements of Office of Management and Budget Circular A-94. The Senate provision would further provide that should the Secretary fail to deliver this analysis within 120 days after enactment of this Act, or if the analysis demonstrates that the costs of this policy change outweigh the benefits, and would continue to outweigh the benefits, then the policy would revert to the policy in effect as of October 31, 2014.

The Senate amendment contained another similar provision (sec. 632) that would amend section 474(d)(3) of title 37, United States Code, to prohibit the Department of Defense from reducing per diem rates based on the duration of a temporary duty assignment or civilian travel.

The Senate recesses on section 631 of the Senate amendment. The House recesses on section 605 of the House bill and section 632 of the Senate amendment. The conference agreement includes Section 632 of the Senate amendment.

*Extension of parking expenses allowance to civilian employees at recruiting facilities (sec. 604)*

The House bill contained a provision (sec. 623) that would amend section 481i of title 37, United States Code, to allow the Secretary of Defense to reimburse military and civilian employees of the Department of Defense for parking expenses at recruiting facilities.

The Senate amendment contained no similar provision.

The Senate recesses.

*Eligibility of reserve component members for nonreduction in pay while serving in the uniformed services or National Guard (sec. 605)*

The Senate amendment contained a provision (sec. 607) that would amend section 5538(a) of title 5, United States Code, that would include reserve component personnel ordered to Active Duty under section 12304b of title 10, United States Code, under existing protections preventing reduction in pay while absent from a position of employment with the Federal Government.

The House bill contained no similar provision.

The House recesses.

*Military Housing Privatization Initiative (sec. 606)*

The House bill contained a provision (sec. 604) that would assure that the Basic Allowance for Housing reduction directed by section 403 of title 10, United States Code, would not take effect in fiscal year 2019, ensuring that the Military Housing Privatization Initiative (MHPI) housing recapitalization efforts are not reduced. The committee remains concerned about the reduction in BAH and its effect on the recapitalization of these housing units. The committee believes that military families must be provided with on-base housing that is safe and periodically modernized. Additionally, this section would require the Secretary of Defense to present a plan to the Committees on Armed Services of the Senate and the House of Representatives by December 1, 2018, to provide for a permanent financial solution to the long term MHPI recapitalization problem.

The Senate amendment contained a similar provision (sec. 604) that would authorize the Secretary of Defense to pay up to 2 percent of the calculated Basic Allowance for Housing (BAH) rate to specific lessors who provide on-base housing as part of the Military Housing Privatization Initiative (MHPI).

The Senate recedes with an amendment that would authorize additional payments only to those MHPI projects in existence on or before September 30, 2014.

## **SUBTITLE B—BONUSES AND SPECIAL AND INCENTIVE PAYS**

*One-year extension of certain expiring bonus and special pay authorities (sec. 611)*

The House bill contained a provision (sec. 611) that would extend, through December 31, 2019, income replacement payments for reserve component members experiencing extended and frequent mobilization for Active Duty service; would extend two critical recruitment and retention incentive programs for reserve component health care professionals; would extend accession and retention incentives for nuclear-qualified officers; and would extend the consolidated special and incentive pay authorities added to subchapter II of chapter 5 of title 37, United States Code, by the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181). Additionally, this section would extend the authority of the Secretary of Defense to prescribe a temporary increase in the rates of basic allowance for housing otherwise prescribed for a military housing area or a portion of a military housing area or portion thereof located in an area covered by a declaration by the President of major natural disaster.

The Senate amendment contained a provision (sec. 611) that would extend for 1 year the general bonus authority for enlisted members, the general bonus authority for officers, special aviation incentive pay and bonus authorities for officers, special bonus and incentive pay authorities for officers in health professions, and contracting bonus for cadets and midshipmen enrolled in the Senior Reserve Officers' Training Corps.

The Senate provision would also extend for 1 year the authority to pay hazardous duty pay, assignment or special duty pay, skill incentive or proficiency bonus, and retention incentives for members qualified in critical military skills or assigned to high priority units.

The Senate provision would also extend for 1 year the authority to pay the nurse officer candidate accession bonus and education loan repayment for certain health professionals who serve in the Selected Reserve.

The Senate provision would also extend for 1 year the authority to pay the special bonus and incentive pay for nuclear officers.

The Senate provision would also extend for 1 year the authority to pay for income replacement for reserve component members experiencing extended and frequent mobilization for Active-Duty service.

The Senate provision would also extend for 1 year the authority of the Secretary of Defense to temporarily increase the rate of the Basic Allowance for Housing in areas impacted by natural disasters or experiencing a sudden influx of personnel.

The Senate recesses.

*Report on imminent danger pay and hostile fire pay (sec. 612)*

The House bill contained a provision (sec. 606) that would require the Secretary of Defense to submit a report examining the current processes for awarding imminent danger pay and hostile fire pay to the Committees on Armed Services of the Senate and the House of Representatives. The report shall be submitted no later than March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recesses.

## **SUBTITLE C—OTHER MATTERS**

*Extension of certain morale, welfare, and recreation privileges to certain veterans and their caregivers (sec. 621)*

The House bill contained a provision (sec. 629) that would amend Chapter 54 of title 10, United States Code, to extend eligibility for commissary and morale, welfare, and recreation (MWR) privileges to certain veterans and veterans' caregivers. This provision would authorize the Secretary to impose a user fee on eligible individuals to purchase merchandise at a commissary or MWR resale facility that would offset any increase in expenses arising from this provision. Additionally, this provision would authorize an appropriation for updating EPACS for military commissaries. This provision would take effect at the end of the 90-day period beginning on the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would: (1) Remove the authorization of an appropriation for updating EPACS; and (2) Require this provision to take effect on January 1, 2020.

*Technical corrections in calculation and publication of special survivor indemnity allowance cost of living adjustments (sec. 622)*

The Senate amendment contained a provision (sec. 621) that would amend section 1450(m) of title 10, United States Code, to allow the Department of Defense to make special survivor indemnity allowance cost of living adjustments consistent with the survivor benefit plan and military retired pay.

The House bill contained no similar provision.

The House recesses.

*Authority to award damaged personal protective equipment to members separating from the Armed Forces and veterans as mementos of military service (sec. 623)*

The Senate amendment contained a provision (sec. 591) that would authorize the Secretary of a military department to award personal protective equipment (PPE) of the member or veteran that was damaged during deployment to veterans or members separating from the Armed Forces.

The House bill contained no similar provision.

The House recesses with an amendment that would make awards available to veterans, only applicable after September 11, 2001, and require any PPE award to be demilitarized and certified as safe prior to awards.

*Space-available travel on Department of Defense aircraft for veterans with service-connected disabilities rated as total (sec. 624)*

The House bill contained a provision (sec. 622) that would amend section 2641b of title 10, United States Code, to authorize space-available travel for disabled veterans with a service-connected, permanent disability rated as total.

The Senate amendment contained a similar provision (sec. 570) that would amend section 2641b of title 10, United States Code, to authorize veterans with a permanent service-connected total disability rating to travel on military aircraft on a space-available basis. The committee notes that this provision would also ensure the primary purpose of space-available travel remains transporting servicemembers and their dependents.

The House recesses.

The conferees note with disappointment that the report on this topic mandated by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) is over one year late

and reiterate their interest in the results of the requested analysis.

*Mandatory increase in insurance coverage under Servicemembers' Group Life Insurance for members deployed to combat theaters of operation (sec. 625)*

The House bill contained a provision (sec. 603) that would amend section 1967(a)(3) of title 38, United States Code, to mandate, in the case of a member who elects to not be insured under a Servicemembers' Group Life Insurance (SGLI) plan at the maximum available coverage, an automatic increase in SGLI coverage to the maximum level if the servicemember is deployed to a combat zone.

The Senate amendment contained no similar provision.

The Senate recesses.

*Access to military installations for certain surviving spouses and other next of kin of members of the Armed Forces who die while on active duty or certain reserve duty (sec. 626)*

The House bill contained a provision (sec. 621) that would require service secretaries to provide for issuance of a standardized Gold Star Installation Access Card to the widow and dependent children of a deceased servicemember to facilitate their ability to gain unescorted access to military installations for the purpose of attending events, visiting gravesites, and obtaining benefits and services to which they are entitled or eligible. The provision would also authorize service secretaries to provide installation access cards to parents and other next of kin of a deceased servicemember.

The Senate amendment contained a provision (sec. 570) that would require the Secretary of Defense, acting jointly with the Secretary of Homeland Security, to establish procedures whereby an eligible surviving spouse and certain other next of kin of members of the Armed Forces may obtain access without escort, as appropriate, to military installations to receive benefits to which they may be entitled by law or policy. This provision would require establishment of such procedures not later than 1 year after the date of the enactment of this Act.

The House recesses with a technical amendment.

*Study and report on development of a single defense resale system (sec. 627)*

The House bill contained a provision (sec. 625) that would require the Secretary of Defense to conduct a study to determine

the feasibility of consolidating military resale entities into a single defense resale system. The provision would require the Secretary to provide a report on the study to the congressional defense committees not later than January 1, 2019. Additionally, the provision would prohibit the obligation or expenditure of any funds authorized to be appropriated, or otherwise made available in this Act, for the purpose of implementing consolidation of the military resale entities until October 1, 2019.

The Senate amendment contained no similar provision.  
The Senate recesses.

### **LEGISLATIVE PROVISIONS NOT ADOPTED**

#### *Prompt review of request for imminent danger pay*

The House bill contained a provision (sec. 601) that would amend section 310 of title 37, United States Code, to require the Secretary of Defense to issue a determination, within 90 days, when a geographic combatant commander submits a request to add a location to the Imminent Danger Pay eligibility list.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that Imminent Danger Pay (IDP) is designed to provide additional compensation to servicemembers on duty in an area in which the member was in imminent danger of being exposed to hostile fire. Despite this statutory language, the Department of Defense has been slow in amending the list of geographic areas where deployed servicemembers would be eligible for IDP. This is particularly troubling given the global nature and geographic unpredictability of today's conflicts.

In 2017, the Department's delays in modifying its IDP policy resulted in servicemembers deployed to Niger, Mali, and northern Cameroon being ineligible for IDP payments despite suffering several casualties and being routinely exposed to hostile fire. The Department of Defense took nearly 9 months to rectify its error after four servicemembers were killed while deployed to Africa.

These delays in updating the Department's IDP policy caused unnecessary financial frustration and hardship for servicemembers deployed to Africa to include the families of four servicemembers who were tragically killed while deployed to Niger. Therefore the committee strongly encourages the Secretary of Defense to make determinations on requests for IDP within ninety days of receiving such requests.

#### *Fiscal year 2019 increase in military basic pay*

The Senate amendment contained a provision (sec. 601) that would authorize a pay raise of 2.6 percent for all members of the uniformed services effective January 1, 2019.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that current law authorizes automatic military pay raises consistent with the Economic Cost Index, which for calendar year 2019 amounts to a 2.6 percent raise in basic pay for all members of the uniformed services.

*Application of basic allowance for housing to members of the uniformed services in the Virgin Islands*

The House bill contained a provision (sec. 602) that would amend section 403 of title 37, United States Code, to apply Basic Allowance for Housing to service members in the Virgin Islands.

The Senate amendment contained no similar provision.

The House recesses.

*Department of Defense proposal for a pay table for members of the Armed Forces using steps in grade based on time in grade rather than time in service*

The Senate amendment contained a provision (sec. 603) that would require the Secretary of Defense to submit a proposal for a time in grade-based pay table for military personnel. This provision would also require the Comptroller General to review the proposal and assess its effect on recruitment and retention.

The House bill contained no similar provision.

The Senate recesses.

*Modification of authority of President to determine alternative pay adjustment in annual basic pay of members of the uniformed services*

The Senate amendment contained a provision (sec. 605) that would amend section 1009(e) of title 37, United States Code, to remove the justification of serious economic conditions affecting the general welfare from the waiver authority of the President to make an alternative pay adjustment.

The House bill contained no similar provision.

The Senate recesses.

*Sense of Congress regarding the widows' tax*

The House bill contained a provision (sec. 607) that would express the sense of Congress that: (1) Surviving spouses and dependent children will not be subject to a full offset of survivor benefit plan payments by dependency and indemnity compensation; and (2) Congress must work to eliminate the widows' tax entirely.

The Senate amendment contained no similar provision.

The House recesses.

The conferees agree that Congress should work to eliminate the full offset of survivor benefit plan payments by dependency and indemnity compensation.

*Reevaluation of BAH for the military housing area including Staten Island*

The House bill contained a provision (sec. 608) that would require the Secretary of Defense to reevaluate the rate of basic allowance for housing for the military housing area that includes Staten Island, New York.

The Senate amendment contained no similar provision.

The House recesses.

*Temporary adjustment in rate of basic allowance for housing following identification of significant underdetermination of civilian housing costs for housing areas*

The Senate amendment contained a provision (sec. 608) that would amend section 403(b) of title 37, United States Code, to allow the Secretary of Defense to temporarily adjust current rates of Basic Allowance for Housing (BAH) for a military housing area if the Secretary determines that the actual costs of adequate housing in that military housing area differ from current BAH rates by more than 20 percent. This authority provided by this provision would expire on December 31, 2019.

The House bill contained no similar provision.

The Senate recesses.

*Compensation and credit for retired pay purposes for maternity leave taken by members of the reserve components*

The House bill contained a provision (sec. 609) that would amend section 206(a) of title 37, United States Code, to authorize compensation to members of the reserve component during periods of maternity leave. The provision would also require the period of maternity leave taken by a member of the reserve component count towards the servicemember's entitlement to retired pay.

The Senate amendment contained no similar provision.  
The House recesses.

*Advisory boards regarding military commissaries and exchanges*

The House bill contained a provision (sec. 624) that would require the Secretary of Defense to direct each commanding officer of a military installation with a military commissary or exchange to establish an advisory board comprised of representatives from military or veterans service organizations to advise the commanding officer regarding the interests of patrons and beneficiaries of commissaries and exchanges.

The Senate amendment contained no similar provision.  
The House recesses.

*Designation of new beneficiary under the Survivor Benefit Plan*

The House bill contained a provision (sec. 626) that would amend section 1448(b)(1) of title 10, United States Code, to allow the election of a new beneficiary under the Survivor Benefit Plan by a terminally ill participant.

The Senate amendment contained no similar provision.  
The House recesses.

*Report regarding management of military commissaries and exchanges*

The House bill contained a provision (sec. 627) that would require the Secretary of Defense to submit a report regarding management of military commissaries and exchanges to the congressional defense committees within 180 days of the date of the enactment of this Act.

The Senate amendment contained no similar provision.  
The House recesses.

*Access for veterans to certain fitness centers*

The House bill contained a provision (sec. 628) that would amend Chapter 152 of title 10, United States Code, to authorize the service secretaries to grant veterans access to a fitness center within their jurisdiction under certain conditions prescribed in the provision.

The Senate amendment contained no similar provision.  
The House recesses.

**TITLE VII—HEALTH CARE PROVISIONS**

## **SUBTITLE A—TRICARE AND OTHER HEALTH CARE BENEFITS**

*Cessation of requirement for mental health assessment of members after redeployment from a contingency operation upon discharge or release from the Armed Forces (sec. 701)*

The House bill contained a provision (sec. 704) that would amend section 1074m(a)(1)(B) of title 10, United States Code, to remove the termination date for the provision of mental health assessments (MHA) for members of the Armed Forces deployed in support of a contingency operation.

The Senate amendment contained a provision (sec. 723) that would amend section 1074m of title 10, United States Code, to eliminate the requirement to provide an MHA to a servicemember after redeployment if the individual has been discharged from military service. The conferees note that, under current law, there is no requirement to provide an MHA to a servicemember 90 to 180 days after redeployment if the individual has been discharged; however, the cessation of the requirement to provide an MHA after a member has been discharged does not currently apply to MHAs required at 180 days to 18 months after redeployment and 18 months to 30 months after redeployment.

The House recedes.

*Pilot program on treatment of members of the Armed Forces for post-traumatic stress disorder related to military sexual trauma (sec. 702)*

The House bill contained a provision (sec. 702) that would authorize the Secretary of Defense to conduct a pilot program, not to extend beyond 3 years after the date of the enactment of this Act, to assess the feasibility and advisability of using intensive outpatient programs to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance use disorder, depression, and other issues related to those conditions. Under this provision, the pilot program would be carried out through partnerships with public, private, and non-profit health care organizations, universities, or institutions that: 1) Provide health care to members of the Armed Forces; 2) Provide evidence-based treatment for psychological and neurological conditions common to members of the Armed Forces; 3) Provide health care, support, and other benefits to family members of members of the Armed Forces; and 4) Provide health care under the TRICARE program. The provision would establish

pilot program activities and would require the Secretary to install evaluation metrics before commencement of the program. In addition, the provision would require the Secretary to submit an initial report describing the pilot program to the Committees on Armed Services of the Senate and the House of Representatives not later than 180 days after the date of the enactment of this Act. The Secretary would then submit a final report to the same committees not later than 180 days after completion of the pilot program.

The Senate amendment contained a similar provision (sec. 705).

The Senate recesses.

## **SUBTITLE B—HEALTH CARE ADMINISTRATION**

*Improvement of administration of the Defense Health Agency and military medical treatment facilities (sec. 711)*

The House bill contained a provision (sec. 711) that would amend section 1073 of title 10, United States Code, by requiring the Department of Defense to transition administration of military medical treatment facilities (MTFs) from the service secretaries to the Director of the Defense Health Agency (DHA) by September 30, 2020. This provision would prohibit the Secretary of Defense from closing or limiting services in any MTF until completion of a transition certification process.

The Senate amendment contained a provision (sec. 711) that would amend section 1073c(a) of title 10, United States Code, to improve and enhance the administration of the DHA and MTFs. Under this provision, the DHA would have the following additional authorities to: (1) Direct, control, and serve as the primary rater of the performance of commanders or directors of MTFs; (2) Direct and control any intermediary organizations between the Defense Health Agency and MTFs; (3) Determine the scope of medical care provided at each MTF to meet the military personnel readiness requirements of the senior military operational commander of the military installation; (4) Determine total workforce requirements at each MTF; (5) Direct joint manning at MTFs and intermediary organizations; (6) Establish training and skills sustainment venues for military medical personnel; (7) Address personnel staffing shortages at MTFs; and (8) Approve service nominations for commanders or directors of MTFs. The provision would also amend section 1073c(d)(2) of title 10, United States Code, to require the DHA Director to ensure that the DHA meets the military personnel readiness requirements of the senior military operational commanders of military installations.

The Senate recedes with an amendment that would require the DHA Director to assume responsibility for the administration of each MTF by September 30, 2021, and would prescribe additional authorities for the DHA Director. The amendment would limit closure or downsizing of MTFs until such time the Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a report, which describes the methodology and criteria to close or downsize an MTF. The amendment would prohibit such closure or downsizing until 90 days after the date on which the Secretary submits the report to the committees. In addition, the amendment would prescribe the following subordinate organizations within the DHA: (1) Defense Health Agency Research and Development; and (2) Defense Health Agency Public Health. The amendment would require the Secretary, not later than 270 days after the date of the enactment of this Act, to submit a report to the same committees on the feasibility of establishing an additional subordinate DHA organization, Defense Health Agency Education and Training, led by the President of the Uniformed Services University of the Health Sciences. Finally, the amendment would require the Secretary, not later than 270 days after the date of the enactment of this Act, to submit a report to the same committees on the feasibility of establishing a Defense Health Command as a superseding organization to the Defense Health Agency.

*Organizational framework of the military healthcare system to support medical requirements of the combatant commands (sec. 712)*

The Senate amendment contained a provision (sec. 712) that would require the Secretary of Defense, acting through the Director of the Defense Health Agency (Director), to commence implementation, not later than October 1, 2018, of an organizational framework of the military health system that: (1) Effectively implements chapter 55 of title 10, United States Code; (2) Maximizes interoperability; and (3) Fully integrates the medical capabilities of the Armed Forces to enhance joint military medical operations in support of combatant command requirements.

The provision would authorize the Director to conduct a phased implementation, in compliance with section 1073c of title 10, United States Code, of a new organizational framework with full implementation required not later than October 1, 2020. The provision would establish no more than three health readiness regions in the continental United States, and each region would be led by a commander or director appointed to a grade no higher than major general or rear admiral. Each military department

would nominate qualified individuals to serve in those positions, and the Director would select those individuals to serve as health readiness regional commanders or directors under the authority, direction, and control of such Director.

Under this provision, the Director would establish a regional hub at a major military medical center in each region to provide complex, specialized medical services. Each regional hub would be geographically located to maximize medical support to combatant commands. The provision would authorize the Director to establish or maintain additional medical centers in locations with large beneficiary populations or locations that serve as the primary readiness platforms of the Armed Forces. In addition, this provision would authorize the Director to establish up to two health readiness regions outside the continental United States. The provision would prescribe certain additional duties and responsibilities of the Director related to readiness, operational medicine support, and beneficiary healthcare delivery.

Moreover, the provision would require the Secretary of Defense, through the service secretaries, to disestablish the medical departments of the Services, and any subordinate commands or organizations, not later than October 1, 2019, and to establish operational medical force readiness organizations in each service, led by the Services' Surgeons General. These organizations would have no command authority. Finally, the provision would prescribe the responsibilities of the Services' operational medical force readiness organizations.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to establish not more than four defense health regions, two regions in the continental United States and two regions outside the continental United States. Additionally, the amendment would prescribe certain additional duties for the Surgeons General of the Armed Forces related to: (1) Assignment of uniformed medical and dental personnel to military medical treatment facilities; (2) Ensuring operational medical force readiness of medical and dental personnel; (3) Providing logistical support for operational deployment of medical and dental personnel; (4) Providing oversight of mobilization and demobilization of deployed medical and dental personnel; (5) Conducting operational medical and dental force development; (6) Ensuring that operational medical force readiness organizations of the Armed Forces support medical and dental readiness responsibilities of the Director; (7) Developing operational capabilities and policy required to support the warfighter; and (8) Providing health professionals to serve in leadership positions across the military health system. The amendment would

require the Secretary, not later than 270 days after the date of the enactment of this Act, to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, which provides: (1) A description of the organizational structure of the office of each Surgeon General of the Armed Forces and any subordinate organizations that will support the functions and responsibilities of a Surgeon General, while avoiding duplication of functions and tasks of the Defense Health Agency; (2) Pre- and post-implementation manning documents for staffing the organizational structure prescribed in this provision; and (3) Recommendations for legislative or administrative action in connection with the implementation of such organizational structure.

*Administration of TRICARE dental plans through the Federal Employees Dental and Vision Insurance Program (sec. 713)*

The Senate amendment contained a provision (sec. 702) that would amend section 8951(8) of title 5, United States Code, to authorize eligibility of Active-Duty family members, non-activated National Guard/Reserve members, family members of National Guard/Reserve members, and certain survivors under the Federal Employees Dental Insurance Program (FEDVIP) beginning on or after January 1, 2022. This provision would also amend subsection (b) of section 1076(a) of title 10, United States Code, to require the Secretary of Defense to administer TRICARE's dental insurance plans, through an agreement with the Director of the Office of Personnel Management (OPM), to allow eligible beneficiaries to enroll in an insurance plan under chapter 89A of title 5, United States Code, in accordance with terms (to the extent practicable as defined by the Director through regulation) prescribed by the Secretary, including terms consistent with subsection (d) and, to the extent practicable in relation to chapter 89A, other provisions of this section.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, not later than January 1, 2020, to submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the transition of the administration of the TRICARE dental insurance plan for retirees from administration by the Department of Defense to the OPM as part of the FEDVIP. The report should include: (1) A description of lessons learned from transition of the TRICARE dental insurance plan for retirees to administration by the OPM; (2) An assessment of the effectiveness of such transition; and (3) A timeline for the implementation plan for transition of

administration of TRICARE dental plans to administration as part of FEDVIP.

*Streamlining of TRICARE Prime beneficiary referral process (sec. 714)*

The Senate amendment contained a provision (sec. 713) that would require the Secretary of Defense to streamline the process under section 1095f of title 10, United States Code, by which TRICARE Prime beneficiaries are referred to the civilian provider network for inpatient and outpatient care under the TRICARE program. The provision would prescribe certain objectives for the streamlined referral process and require implementation in calendar year 2019. Additionally, the provision would require the Secretary to conduct an annual evaluation of the referral process and make improvements to the process as a result of the annual evaluation.

The House bill contained no similar provision.

The House recedes with an amendment that would maintain the requirement in the referral process for right-of-first-refusal by military medical treatment facilities.

*Sharing of information with State prescription drug monitoring programs (sec. 715)*

The House bill contained a provision (sec. 712) that would amend section 1074g of title 10, United States Code, to require the Secretary of Defense to establish and operate a prescription drug monitoring program for prescription drugs provided under the Department of Defense's pharmacy benefits program and to share prescription information with State prescription drug monitoring programs. The provision would authorize the Secretary to treat the disclosure of patient-specific information as a permitted disclosure for purposes of the health privacy regulations promulgated under the Health Insurance Portability and Accountability Act of 1996 (Public Law 104-191).

The Senate amendment contained a similar provision (sec. 714).

The House recedes.

*Pilot program on opioid management in the military health system (sec. 716)*

The House bill contained a provision (sec. 736) that would require the Secretary of Defense to submit a report to the congressional defense committees regarding the actions taken by

the Department of Defense to prevent and treat opioid use among dependents of members of the Armed Forces.

The Senate amendment contained a provision (sec. 704) that would require the Director of the Defense Health Agency to implement a comprehensive pilot program, for a period of not more than 3 years, to minimize early opioid exposure in beneficiaries under the TRICARE program and to prevent misuse or abuse of opioid medications. The pilot program would begin within 180 days of the date of the enactment of this Act, and it would include elements to maximize opioid safety across the entire continuum of care, consisting of patient, physician or dentist, and pharmacist. Additionally, the provision would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, not later than 180 days before the completion of the pilot program, describing the conduct of the program. Finally, the provision would authorize the Director to implement the pilot program on a permanent basis if the Director determines that the pilot program successfully reduces early opioid exposure in TRICARE beneficiaries and prevents progression to misuse or abuse of opioid medications.

The House recedes with an amendment that would remove the requirement for the Department to provide beneficiaries with in-home disposal kits to deactivate excess opioids.

*Wounded warrior policy review (sec. 717)*

The House bill contained a provision (sec. 715) that would require the Secretary of Defense, within 180 days of the date of the enactment of this Act, to review and update policies and procedures relating to the care and management of recovering servicemembers. The Secretary and the service secretaries would then jointly submit a report, not later than 1 year after the date of the enactment of this Act, to the Committees on Armed Services of the Senate and the House of Representatives on the review, which would include a description of any policies updated as a result of the review.

The Senate amendment contained no similar provision.

The Senate recedes.

*Medical simulation technology and live tissue training within the Department of Defense (sec. 718)*

The House bill contained a provision (sec. 725) that would require the Secretary of Defense to use medical simulation technology before the use of live tissue training to train medical professionals and combat medics of the Department of

Defense (DOD). The provision would authorize live tissue training within DOD as determined necessary by the medical chain of command.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require the Secretary to use medical simulation technology within DOD, to the greatest extent practicable, before the use of live tissue training.

*Improvements to trauma center partnerships (sec. 719)*

The House bill contained a provision (sec. 714) that would amend section 708(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to clarify the authority of the Secretary of Defense to enter into partnership agreements with civilian trauma centers for the training of combat trauma teams.

The Senate amendment contained no similar provision.

The Senate recesses.

*Improvement to notification to Congress of hospitalization of combat-wounded members of the Armed Forces (sec. 720)*

The House bill contained a provision (sec. 713) that would amend section 10741(a) of title 10, United States Code, to require notification to appropriate Members of Congress of hospitalization of combat-wounded servicemembers admitted to any military medical treatment facility.

The Senate amendment contained no similar provision.

The Senate recesses.

## **SUBTITLE C—REPORTS AND OTHER MATTERS**

*Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund (sec. 731)*

The House bill contained a provision (sec. 723) that would extend the authority for the joint Department of Defense-Department of Veterans Affairs Demonstration Fund from September 30, 2019, to September 30, 2020.

The Senate amendment contained a similar provision (sec. 721)

The Senate recesses.

*Joint forces medical capabilities development and standardization (sec. 732)*

The House bill contained a provision (sec. 716) that would require the Secretary of Defense, in coordination with the service secretaries and the Chairman of the Joint Chiefs of Staff, to develop a process to establish joint medical capabilities for members of the Armed Forces that meet the operational planning requirements of the combatant commanders. The Secretary would submit a report, which describes the process, to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would establish: (1) A timeline for the Secretary to develop a process to establish required joint force medical capabilities for members of Armed Forces that meet the operational planning requirements of the combatant commanders; and (2) A later date for providing the report to the committees.

*Inclusion of gambling disorder in health assessments of members of the Armed Forces and related research efforts (sec. 733)*

The House bill contained a provision (sec. 724) that would require the Secretary of Defense to incorporate medical screening questions specific to gambling disorder into the annual periodic health assessment conducted by the Department of Defense for members of the Armed Forces. The provision would also require the Secretary to incorporate gambling disorder questions into ongoing research efforts, including by restoring such questions into health-related behavior surveys of Active-Duty and reserve component personnel.

The Senate amendment contained a similar provision (sec. 727). The Senate amendment, however, would also require the Secretary to submit a report to the congressional defense committees, within 2 years of the date of the enactment of this Act, which describes efforts made to comply with the provision and provides findings of assessments and surveys with respect to prevalence of gambling disorder among members of the Armed Forces.

The House recedes with an amendment that would incorporate medical screening questions specific to gambling disorder: (1) In the next annual periodic health assessment conducted by the Department during the 1-year period beginning 180 days after the date of the enactment of this Act; and (2) The Health Related Behaviors Surveys of Active-Duty and reserve component servicemembers. The Secretary would then submit to the

Committees on Armed Services of the Senate and the House of Representatives, not later than 1 year after the date of the completion of the assessment or surveys, reports on the findings of the assessment and surveys in connection with the prevalence of gambling disorder among servicemembers.

*Report on requirement for certain former members of the Armed Forces to enroll in Medicare Part B to be eligible for TRICARE for Life (sec. 734)*

The House bill contained a provision (sec. 739) that would require the Secretaries of Defense and Health and Human Services and the Commissioner of Social Security, not later than 180 days after the date of the enactment of this Act, to submit jointly a report to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Ways and Means of the House of Representatives, and the Committee on Finance of the Senate, on the requirement that a covered individual enroll in the supplementary medical insurance program under part B of title XVIII of the Social Security Act (42 U.S.C. 1395J et seq.) to be eligible for TRICARE for Life.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require submission of the report no later than 1 year after the date of the enactment of this Act.

*Pilot program on earning by special operations forces medics of credits towards a physician assistant degree (sec. 735)*

The House bill contained a provision (sec. 733) that would require the Secretary of Defense to conduct a study to assess the feasibility and advisability of establishing partnerships between special operations forces and institutions of higher education, and health systems if determined appropriate by the Assistant Secretary, through which special operations forces medics earn credit towards a master's degree of physician assistant for military operational work and training

The Senate amendment contained a provision (sec. 724) that would require the Assistant Secretary of Defense for Health Affairs to conduct a pilot program, for a period not greater than 5 years, to assess the feasibility and advisability of partnerships between special operations forces and institutions of higher education, and health systems if determined appropriate by the Assistant Secretary, through which special operations forces medics earn credit towards a master's degree of physician assistant for military operational work and training. The provision would require the Secretary of Defense

to submit an initial report, within 180 days of the date of the enactment of this Act, to the Committees on Armed Services of the Senate and the House of Representatives, that describes: (1) A comprehensive framework for the military education to be provided under the program; (2) Metrics to be used to assess the effectiveness of the program; and (3) Mechanisms to be used by the Department, medics, or both to cover the costs of education received by medics.

In addition, the Secretary of Defense would submit a final report, not later than 180 days after completion of the pilot program, to the same committees, which provides an: (1) Evaluation of the pilot program using the metrics of assessment set forth in the initial report; (2) Assessment of the utility of funding mechanisms as set forth in the initial report; (3) Assessment of the effects of the program on recruitment and retention of special operations forces medics; and (4) Assessment of the feasibility and advisability of extending any authorities for joint professional military education under chapter 107 of title 10, United States Code, to warrant officers or enlisted personnel.

The House recedes with an amendment that would authorize the Secretary to conduct the pilot program.

*Strategic medical research plan (sec. 736)*

The House bill contained a provision (sec. 727) that would require the Secretary of Defense, in consultation with the service secretaries, to submit a comprehensive strategic medical research plan to the congressional defense committees not later than 30 days after the date on which the President submits the fiscal year 2020 budget to Congress.

The Senate amendment contained no similar provision.  
The Senate recedes.

*Comptroller General of the United States review of Defense Health Agency oversight of transition between managed care support contractors for the TRICARE program (sec. 737)*

The Senate amendment contained a provision (sec. 728) that would require the Comptroller General of the United States to submit to the congressional defense committees, not later than 180 days of the date of the enactment of this Act, a report reviewing the Defense Health Agency's oversight of the transition of TRICARE managed care support contractors. The provision would require the Comptroller General to conduct subsequent reviews of any transition of managed care support

contractors of the TRICARE program and to submit reports to the same committees.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Comptroller General to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives not later than July 1, 2019, followed by a report. The amendment would require the Comptroller General to provide reports to the same committees on any future transitions between managed care support contractors for the TRICARE program within 270 days after completion of such transitions.

*Comptroller General study on availability of long-term care options for veterans from Department of Veterans Affairs (sec. 738)*

The Senate amendment contained a provision (sec. 6008) that would require the Comptroller General of the United States to conduct a study on the availability of long-term care options from the Department of Veterans Affairs for veterans with combat disabilities, including veterans who served in the Armed Forces after September 11, 2001. The Comptroller General would then submit a report on the study to the Committees on Armed Services and the Committees on Veterans Affairs of the Senate and the House of Representatives not later than January 1, 2020.

The House bill contained no similar provision.

The House recedes.

*Increase in number of appointed members of the Henry M. Jackson Foundation for the Advancement of Military Medicine (sec. 739)*

The House bill contained a provision (sec. 722) that would amend section 178(c)(1)(C) of title 10, United States Code, to increase the number of appointed members of the council of directors of the Henry M. Jackson Foundation for the Advancement of Military Medicine from four to six members.

The Senate amendment contained a similar provision (sec. 722).

The House recedes.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

*TRICARE Medicare Advantage demonstration program*

The House bill contained a provision (sec. 701) that would require the Secretary of Defense, in consultation with the Secretary of Health and Human Services, to conduct a

demonstration program for a period of not less than 2 years under which a covered beneficiary is deemed to have elected to receive benefits, unless the beneficiary elects otherwise, through a participating Medicare Advantage health plan for each plan year of the demonstration program.

The Senate amendment contained no similar provision.

The House recedes.

*Consolidation of cost-sharing requirements under TRICARE Select and TRICARE Prime*

The Senate amendment contained a provision (sec. 701) that would amend section 1075 of title 10, United States Code, to consolidate cost-sharing requirements under TRICARE Prime and Select. This provision would eliminate the grandfathering of cost-sharing requirements for beneficiaries enrolled in the TRICARE program prior to January 1, 2018, as authorized in section 701 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). The amendments under this provision would take effect on January 1, 2019.

The House bill contained no similar provision.

The Senate recedes.

The conferees remain concerned about the high cost of military health care, understanding that much of the cost has been driven by new benefits and benefit enhancements authorized by Congress, as well as generally increasing costs of medical care in the private sector in the United States. The Congressional Budget Office estimates that the average cost to the Department of Defense for a typical retiree household's health care in 2021 will be \$17,800.

Therefore, the conferees direct the Secretary of Defense to submit a report, not later than February 1, 2019, to the Committees on Armed Services of the Senate and the House of Representatives clearly describing the various TRICARE programs currently available to beneficiaries, identifying which beneficiaries are eligible to participate in each program, and providing the average cost to the Department of Defense and to beneficiaries in each program. Additionally, the report should describe the policy options desirable to maintain and improve access to quality health care while controlling the cost of providing that health care. In developing policy options, the Department should conduct a beneficiary survey to ascertain whether beneficiaries would be amenable to additional modest fee increases to maintain a fiscally viable, comprehensive health benefit.

*Pilot program on cryopreservation and storage*

The House bill contained a provision (sec. 703) that would require the Secretary of Defense to establish a pilot program to provide not greater than 1,000 members of the Armed Forces on Active-Duty with the opportunity to cryopreserve and store gametes prior to a combat zone deployment.

The Senate amendment contained no similar provision.  
The House recesses.

*Contraception coverage parity under the TRICARE Program*

The Senate amendment contained a provision (sec. 703) that would amend sections 1074d(b)(3), 1075(c), 1075a(b), and 1074g(a)(6) of title 10, United States Code, to require coverage of contraception services for covered beneficiaries under the TRICARE program. The provision would prohibit cost-sharing for any method of contraception provided by a TRICARE network provider and for any prescription contraceptive on the uniform formulary provided by a network retail pharmacy provider or the mail order pharmacy program. The effective date of this provision would be January 1, 2020.

The House bill contained no similar provision.  
The Senate recesses.

*Counseling and treatment for substance use disorders and chronic pain management services for members who separate from the Armed Forces*

The House bill contained a provision (sec. 705) that would amend section 1145(a)(6)(B)(i) of title 10, United States Code, to include in the TRICARE Transitional Health Care benefit counseling and treatment for substance use disorders and chronic pain management services for members who separate from the Armed Forces

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that transitional health care services provided in military medical treatment facilities routinely include counseling and treatment, as may be required, for substance use disorder and chronic pain management.

*Improvement of reimbursement by Department of Defense of entities carrying out state vaccination programs in connection with vaccines provided to covered beneficiaries under the TRICARE program*

The Senate amendment contained a provision (sec. 715) that would amend section 719(a) of the National Defense Authorization

Act for Fiscal Year 2017 (Public Law 114-328; 10 U.S.C. 1074g note) to require the Secretary of Defense to reimburse an entity carrying out a State vaccination program for making vaccinations available to TRICARE covered beneficiaries. The provision would also stipulate that subparagraph (B) of section 719 should not apply to amounts assessed by entities providing independent verification that the assessments of such entities are below the costs of the private sector in making vaccines available.

The House bill contained no similar provision.

The Senate recesses.

#### *Burn patient transfer system*

The House bill contained a provision (sec. 717) that would authorize the Secretary of Defense to develop a burn patient transfer system that would provide a platform for reporting immediate and surge bed availability and electronically match patient acuity with bed availability at military and civilian burn centers.

The Senate amendment contained no similar provision.

The House recesses.

#### *Report on MHS Genesis electronic health record system*

The House bill contained a provision (sec. 718) that would require the Secretary of Defense to submit to the congressional defense committees, not later than 90 days after the date of the enactment of this Act, a report outlining the corrective actions taken based on the results of the initial operational and test evaluation report prior to fielding MHS Genesis to additional military medical treatment facilities.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Secretary to submit a letter report to the Committees on Armed Services of the Senate and the House of Representatives describing the corrective actions taken, as a result of the findings in the initial operational and test evaluation report, prior to fielding MHS Genesis to additional military medical treatment facilities.

#### *Establishment of TriService Dental Research Program*

The House bill contained a provision (sec. 721) that would amend Chapter 104 of title 10, United States Code, to authorize the Secretary of Defense to establish the TriService Dental Research Program, which would be administered by the TriService Dental Research Group.

The Senate amendment contained no similar provision.  
The House recesses.

*Pilot program on partnerships with civilian organizations for specialized medical training*

The Senate amendment contained a provision (sec. 725) that would require the Secretary of Defense to conduct a pilot program, for a period of not more than 3 years, to assess the feasibility and advisability of establishing partnerships with public, private, and non-profit organizations and institutions to provide short-term specialized medical training to advance the medical skills and capabilities of military medical providers.

The House bill contained no similar provision.  
The Senate recesses.

*Registry of individuals exposed to per- and polyfluoroalkyl substances on military installations*

The Senate amendment contained a provision (sec. 726) that would require the Secretary of Veterans Affairs to establish a registry for individuals who have been exposed to per- and polyfluoroalkyl substances.

The House bill contained no similar provision.  
The Senate recesses.

*Limitation on changes to Federal Emergency Services certification levels of the Air Force*

The House bill contained a provision (sec. 726) that would prohibit the Secretary of the Air Force from transitioning Federal emergency services certification levels from emergency medical technician level to emergency medical responder level until the Secretary submits a report to the congressional defense committees.

The Senate amendment contained no similar provision.  
The House recesses.

*Independent evaluation of mental health care*

The House bill contained a provision (sec. 728) that would require the Secretary of Defense to enter into an agreement with a federally funded research and development center (FFRDC) to evaluate the management of mental health care by the Defense Health Agency. The Secretary would then submit a report to the

congressional defense committees, not later than April 1, 2019, on the evaluation conducted by the FFRDC.

The Senate amendment contained no similar provision.

The House recesses.

*Study on reimbursement rates for mental health care providers under TRICARE Prime and TRICARE Select in the East and West regions of the TRICARE program*

The House bill contained a provision (sec. 729) that would require the Secretary of Defense to conduct a study assessing the impact of using established rates to reimburse covered mental health providers on the availability of such providers under the TRICARE program.

The Senate amendment contained no similar provision.

The House recesses.

*Study on the treatment of TRICARE beneficiaries who are residents of Puerto Rico*

The House bill contained a provision (sec. 730) that would require the Secretary of Defense, in coordination with the secretary of the department in which the Coast Guard is operating when not operating as a service in the Navy, to conduct a study on the feasibility and effect on extending eligibility to enroll in TRICARE Prime to members of the Armed Forces and covered beneficiaries who reside in Puerto Rico. The Secretary would then provide a report on the study to the congressional defense committees not later than 90 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Director of the Defense Health Agency to review the feasibility and effect of extending enrollment in, and the coverage of, TRICARE Prime to eligible beneficiaries who reside in Puerto Rico. The review should: (1) Determine the number of eligible beneficiaries enrolled in TRICARE Select; (2) Examine prior claims data from beneficiaries who may have used TRICARE Standard while residing in Puerto Rico; (3) Evaluate the ability to meet TRICARE Prime access standards by TRICARE eligible institutional and individual providers; and (4) Estimate the potential increase in cost to the Department to offer TRICARE Prime to eligible TRICARE beneficiaries. The Director should then provide a report on the review to the Committees on Armed Services of the Senate and the House of Representatives within 180 days of the date of the enactment of this Act.

*Study on health effects relating to activity of the Armed Forces on Vieques*

The House bill contained a provision (sec. 731) that would require the Comptroller General of the United States to submit a report containing a study of the health effects of live-fire training at Vieques Naval Training Range before 2002 and other effects of military training on Vieques, Puerto Rico. The Comptroller General would submit the report to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The House recesses.

*Strategy to recruit and retain mental health providers*

The House bill contained a provision (sec. 732) that would require the Secretary of Defense to submit a report to the congressional defense committees, not later than 180 days after the date of the enactment of this Act, that describes and evaluates shortages of mental health providers of the Department of Defense and provides a strategy to recruit and retain various types of mental health providers.

The Senate amendment contained no similar provision.

The House recesses.

*Study of drug shortages and impact on members of the Armed Forces*

The House bill contained a provision (sec. 734) that would require the Secretary of Defense to conduct a study of shortages of drugs used in the surgical and emergency settings of military facilities and to provide a report to Congress, not later than 12 months after the date of the enactment of this Act, which describes the study and provides conclusions and recommendations from the study.

The Senate amendment contained no similar provision.

The House recesses.

*Provision of information to Department of Veterans Affairs regarding MHS Genesis electronic health record system*

The House bill contained a provision (sec. 735) that would require the Secretary of Defense to transmit a report to the Secretary of Veterans Affairs detailing lessons learned to address concerns identified during initial operational testing and evaluation of MHS Genesis.

The Senate amendment contained no similar provision.  
The House recesses.

*Monitoring medication prescribing practices for the treatment of post-traumatic stress disorder*

The House bill contained a provision (sec. 737) that would require the Secretary of Defense to submit a report describing the practices for prescribing medication during the period from January 1, 2012, to December 31, 2017, which were inconsistent with the post-traumatic stress disorder medication guidelines developed by the Department of Defense and the Department of Veterans Affairs. The Secretary would submit the report to the Committees on Armed Services of the Senate and the House of Representatives within 180 days of the date of the enactment of this Act.

The Senate amendment contained no similar provision.  
The House recesses.

*Pilot program on mindfulness-based stress reduction in pre-deployment training*

The House bill contained a provision (sec. 738) that would require the Secretary of Defense, in consultation with the Secretary of Homeland Security with respect to the Coast Guard when it is not operating as a service in the Navy, to conduct a pilot program to provide mindfulness-based stress reduction training to members of the Armed Forces prior to deployment to a combat theater.

The Senate amendment contained no similar provision.  
The House recesses.

**TITLE VIII—ACQUISITION POLICY, ACQUISITION  
MANAGEMENT, AND RELATED MATTERS**

*Effective dates; coordination of amendments (sec. 800)*

The House bill contained a provision (sec. 800) that would set the effective dates for the establishment of a new part V of subtitle A of title 10, United States Code, and the redesignation of the chapter and section numbers for title 10 subtitles B, C, and D in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.  
The Senate recesses with a technical amendment.  
The conferees expect that this restructuring effort would be complete not later than February 1, 2019.

## **SUBTITLE A—STREAMLINING OF DEFENSE ACQUISITION STATUTES AND REGULATIONS**

### **PART I—CONSOLIDATION OF DEFENSE ACQUISITION STATUTES IN NEW PART V OF SUBTITLE A OF TITLE 10, UNITED STATES CODE**

*Framework for new part V of subtitle A (sec. 801)*

The House bill contained a provision (sec. 801) that would establish the initial step in the first phase of a comprehensive reorganization and optimization of acquisition-related statutes in title 10, United States Code.

The Senate amendment contained no similar provision.  
The Senate recesses.

The conferees note that the structure for acquisition-related statutes in title 10 has become unwieldy and inadequate. This section creates a new part V at the end of subtitle A of title 10, thus logically organizing all acquisition-related statutes in one part in the Code.

### **PART II—REDESIGNATION OF SECTIONS AND CHAPTERS OF SUBTITLES B, C, AND D TO PROVIDE ROOM FOR NEW PART V OF SUBTITLE A**

*Redesignation of sections and chapters of subtitle D of title 10, United States Code—Air Force (sec. 806)*

The House bill contained a provision (sec. 806) that would redesignate the chapter and section numbers for subtitle D of title 10, United States Code, in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Redesignation of sections and chapters of subtitle C of title 10, United States Code—Navy and Marine Corps (sec. 807)*

The House bill contained a provision (sec. 807) that would redesignate the chapter and section numbers for subtitle C of title 10, United States Code, in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Redesignation of sections and chapters of subtitle B of title 10, United States Code—Army (sec. 808)*

The House bill contained a provision (sec. 808) that would redesignate the chapter and section numbers for subtitle B of title 10, United States Code, in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Cross references to redesignated sections and chapters (sec. 809)*

The House bill contained a provision (sec. 809) that would establish the cross-references guidance for new redesignated sections and chapters of title 10, United States Code.

The Senate amendment contained no similar provision.  
The Senate recesses with a technical amendment.

**PART III—REPEALS OF CERTAIN PROVISIONS OF DEFENSE  
ACQUISITION LAW**

*Amendment to and repeal of statutory requirements for certain positions or offices in the Department of Defense (sec. 811)*

The House bill contained a provision (sec. 811) that would amend or repeal a number of statutory requirements for certain Department of Defense positions or offices established or required by law, and would establish a sunset for one statutory designation.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would adjust which statutory requirements for certain positions or offices are repealed.

*Repeal of certain defense acquisition laws (sec. 812)*

The House bill contained a provision (sec. 812) that would repeal a number of outdated provisions of law related to defense acquisition, including sections of title 10, United States Code, and provisions that appear in the United States Code as legislative ``note'' sections under various provisions of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify which provisions are to be repealed.

*Repeal of certain Department of Defense reporting requirements (sec. 813)*

The House bill contained a provision (sec. 813) that would repeal certain Department of Defense recurring reporting requirements.

The Senate amendment contained a similar provision (sec. 1049) that would repeal certain Department of Defense reporting requirements that are otherwise set to terminate as of December 31, 2021.

The Senate recedes with an amendment that would adjust which reporting requirements are to be repealed.

**SUBTITLE B—AMENDMENTS TO GENERAL  
CONTRACTING AUTHORITIES, PROCEDURES, AND  
LIMITATIONS**

*Modification of limitations on single source task or delivery order contracts (sec. 816)*

The Senate amendment contained a provision (sec. 814) that would amend section 2304a(d)(3)(A) of title 10, United States Code, to clarify the applicable standard for task or delivery order contract awards.

The House bill contained no similar provision.

The House recedes.

*Preliminary cost analysis requirement for exercise of multiyear contract authority (sec. 817)*

The Senate amendment contained a provision (sec. 815) that would amend section 2306b(i)(2)(B) of title 10, United States Code, to require that the preliminary findings of the agency

head be supported by a preliminary cost analysis by the Director of Cost Assessment and Program Evaluation.

The House bill contained no similar provision.

The House recesses.

*Revision of requirement to submit information on services contracts to Congress (sec. 818)*

The House bill contained a provision (sec. 824) that would amend section 2329(b) of title 10, United States Code, to change from October 1, 2022, to October 1, 2020, the effective date for the Secretary of Defense's submission to Congress of information on services contracts that clearly and separately identifies the amount requested for each category of services to be procured for each Defense Agency, Department of Defense Field Activity, command, or military installation. This section would also add the requirement that such information should be included in the Future Years Defense Program submitted to Congress under section 221 of this title.

The Senate amendment contained a similar provision (sec. 821) that would require the Under Secretary of Defense for Acquisition and Sustainment to brief the congressional defense committees not later than 180 days after the date of enactment of this Act, and every 180 days thereafter, on the progress of Department of Defense efforts to meet the requirements of section 2329(b) of title 10, United States Code, including relevant information on the methodology and implementation plans for future compliance.

The Senate recesses with an amendment that would amend section 2329(b) of title 10, United States Code, to change the requirement with respect to budget materials from October 1, 2022, to October 1, 2021 and require the Under Secretary of Defense for Acquisition and Sustainment to brief the congressional defense committees not later than 180 days after the date of enactment of this Act, and every 180 days thereafter, on the progress of Department of Defense efforts to meet the requirements of section 2329(b) of title 10, United States Code, including relevant information on the methodology and implementation plans for future compliance.

*Data collection and inventory for services contracts (sec. 819)*

The House bill contained a provision (sec. 825) that would amend section 2330a of title 10, United States Code, by changing the dollar threshold for data to be collected on each purchase of services by a military department or Defense Agency from \$3.0 million to the simplified acquisition threshold. This section

would also remove the specification of the four service acquisition portfolio groups to be included in such data collection. This section would also change the activities contained in an annual inventory prepared by the Secretary of Defense from those pursuant to staff augmentation contracts, to those pursuant to services contracts, and replace references to the Under Secretary of Defense for Acquisition, Technology, and Logistics with the Under Secretary of Defense for Acquisition and Sustainment.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would replace references to the Under Secretary of Defense for Acquisition, Technology, and Logistics with the Under Secretary of Defense for Acquisition and Sustainment and amend section 2330a of title 10, United States Code, to add contracts closely associated with inherently governmental functions to the categories of data collection applicable to the Department of Defense for services contracts.

*Report on clarification of services contracting definitions  
(sec. 820)*

The House bill contained a provision (sec. 830) that would direct the Secretary of Defense, not later than 180 days after the date of the enactment of this Act, to revise the Defense Federal Acquisition Regulation Supplement to clarify the definitions of and relationships between terms related to services contracts, including the appropriate use of personal and nonpersonal services contracts, and the responsibilities of individuals in the acquisition workforce with respect to such contracts.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to submit to the congressional defense committees, not later than 180 days after the date of enactment of this Act, a report clarifying the definitions of and relationships between terms used by the Department of Defense related to services contracting, including the appropriate use of personal services contracts and nonpersonal services contracts, and the responsibilities of individuals in the acquisition workforce with respect to such contracts.

*Increase in micro-purchase threshold applicable to Department of  
Defense (sec. 821)*

The House bill contained a provision (sec. 822) that would amend section 2338 of title 10, United States Code, by raising

the micro-purchase threshold for the Department of Defense from \$5,000 to \$10,000.

The Senate amendment contained a similar provision (sec. 813).

The House recedes with a technical amendment.

*Department of Defense contracting dispute matters (sec. 822)*

The Senate amendment contained a provision (sec. 811) that would require the Secretary of Defense to carry out a study of the frequency and effects of bid protests involving the same Department of Defense contract award or proposed award that have been filed at both the Government Accountability Office and the Court of Federal Claims, and establish a data collection system to better track and analyze bid protest trends in the future.

The House bill contained no similar provision.

The House recedes.

*Inclusion of best available information regarding past performance of subcontractors and joint venture partners (sec. 823)*

The Senate amendment contained a provision (sec. 816) that would require the Secretary of Defense, in consultation with the Federal Acquisition Regulatory Council and the Administrator for Federal Procurement Policy, within 180 days after the date of enactment of this Act, to develop policies to ensure the best information regarding past performance of certain subcontractors and joint venture partners is available when awarding contracts.

The House bill contained no similar provision.

The House recedes with a technical amendment that would scope the subcontractor evaluations to military construction.

*Subcontracting price and approved purchasing systems (sec. 824)*

The Senate amendment contained a provision (sec. 818) that would amend section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111-383) to clarify that, for Department of Defense contracts with contractors that have approved purchasing systems as defined by section 44.101 of the Federal Acquisition Regulations, a contracting officer must have a written approval from his or her program manager prior to withholding consent based solely on disagreement with the proposed subcontract price.

The House bill contained no similar provision.

The House recedes.

*Modification of criteria for waivers of requirement for certified cost and price data (sec. 825)*

The House bill contained a provision (sec. 877) that would repeal section 817(b)(1) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107-314) regarding certain determinations required for grants of exceptions to cost or pricing data certification requirements and waivers of cost accounting standards.

The Senate amendment contained a similar provision (sec. 817) that would make a technical change to section 817 of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107-314; 10 U.S.C. 2306a note).

The House recedes.

## **SUBTITLE C—PROVISIONS RELATING TO MAJOR DEFENSE ACQUISITION PROGRAMS**

*Revisions in authority relating to program cost targets and fielding targets for major defense acquisition programs (sec. 831)*

The House bill contained a provision (sec. 828) that would amend sections 2448a, 2366a, and 2366b of title 10, United States Code, to allow the Secretaries of the military departments, or, in instances where an alternate milestone decision authority for a program has been designated under section 2430(d)(2) of title 10, United States Code, the Secretary of Defense, to establish program cost, fielding, and performance goals in planning major defense acquisition programs. This section would also allow for the delegation of these responsibilities beyond the Deputy Secretary of Defense.

The Senate amendment contained a similar provision (sec. 831) that would amend section 2448a of title 10, United States Code, to clarify that the designated milestone decision authority is the individual responsible for ensuring the accomplishment of the stated goals for a major defense acquisition program.

The Senate recedes with an amendment that would clarify that the designated milestone decision authority is the individual responsible for ensuring the accomplishment of the stated goals for a major defense acquisition program with technical and conforming changes.

*Implementation of recommendations of the Independent Study on Consideration of Sustainment in Weapons Systems Life Cycle (sec. 832)*

The Senate amendment contained a provision (sec. 832) that would direct the Secretary of Defense to implement certain recommendations from the Independent Study on Consideration of Sustainment in Weapons Systems Life Cycle, which was conducted as required by section 844 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The House bill contained no similar provision.

The House recesses.

The conferees note that the report's findings highlight that the Department of Defense has not given proper consideration to sustainment issues during the development and acquisition process.

*Comptroller General assessment of acquisition programs and related initiatives (sec. 833)*

The Senate amendment contained a provision (sec. 803) that would amend chapter 131 of title 10, United States Code, to establish an annual assessment by the Comptroller General of the United States of Department of Defense acquisition programs and initiatives.

The House bill contained no similar provision.

The House recesses with an amendment that limits the production of the Comptroller General's assessment to four assessments.

The conferees note that the Department of Defense's warfighting, business, and enterprise capabilities are increasingly reliant on or driven by software and information technology. The Department of Defense is behind other Federal agencies and industry in implementing best practices for acquisition of software and information technology capabilities, to include agile and incremental development methods along with associated training, tools, and infrastructure.

The conferees further note that recent years have seen the most significant reform of the Department's acquisition function since the Weapon Systems Acquisition Reform Act of 2009 (Public Law 111-23), to include expansion of acquisition authorities, organizational realignments, delegation of acquisition program execution to the Services, and rapid acquisition and prototyping authorities and offices.

The conferees believe this update to the Comptroller General's assessments is critical to assisting the defense committees with their oversight, given the role of software and

information technology in acquisition programs and initiatives, and the scope of recent acquisition reforms across the Department.

## **SUBTITLE D—PROVISIONS RELATING TO COMMERCIAL ITEMS**

*Revision of definition of commercial item for purposes of Federal acquisition statutes (sec. 836)*

The House bill contained a provision (sec. 831) that would clarify the definition of commercial items. Specifically, it would clarify commercial items as commercial products or commercial services.

The Senate amendment contained a similar provision (sec. 851) that would direct the Assistant Secretary of Defense for Acquisition to conduct a review of commercial item procurement reform, including recommendations by the independent panel created by Section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) and provisions from recent National Defense Authorization Acts, and an analysis of the treatment of commercial services contracts as compared to commercial products.

The Senate recedes with an amendment that would set the effective date of the new definitions to January 1, 2020 with a detailed implementation plan due to the congressional defense committees on April 1, 2019.

*Limitation on applicability to Department of Defense commercial contracts of certain provisions of law (sec. 837)*

The House bill contained a provision (sec. 833) that would update section 2375, section 2533a, and section 2533b of title 10, United States Code, with the clarified definition of commercial products and commercial services. This section would also establish a new section 2375a to limit applicability of certain Executive Orders and regulations.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would update section 2533a, section 2533b, and part of section 2375 of title 10, United States Code, with the clarified definition of commercial products and commercial services.

*Modifications to procurement through commercial e-commerce portals (sec. 838)*

The House bill contained a provision (sec. 834) that would amend section 846 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to allow the Administrator of the General Services Administration to develop procedures for procurement through a commercial e-commerce portal. The procedures must satisfy the requirements for competitive procedures outlined in title 41, United States Code. Additionally, this section would require these procedures to be submitted to the congressional defense committees 30 days prior to implementation. This section would also amend titles 10 and 41, United States Code, by increasing the micro-purchase threshold for procurement through a commercial e-commerce portal from \$10,000 to \$25,000.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that maintains the micro-purchase threshold at \$10,000.

*Review of Federal acquisition regulations on commercial products, commercial services, and commercially available off-the-shelf items (sec. 839)*

The House bill contained a provision (sec. 835) that would require a review on Federal acquisition regulations on commercial products, commercial services, and commercially available off-the-shelf items.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment to require a report on the results of the review.

## **SUBTITLE E—INDUSTRIAL BASE MATTERS**

*Report on limited sourcing of specific components for Naval vessels (sec. 841)*

The House bill contained a provision (sec. 842) that would require the Secretary of the Navy to submit a report to the congressional defense committees by March 1, 2019, that provides a market survey and cost assessment associated with limiting competition to domestic sources for certain naval components.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the report to include national security considerations, recommendations from the Secretary of the Navy, and sources in the National Technology and Industrial Base. The report would be limited to components listed in section 2534(a)(3) of title 10, United States Code, and additional specified components for auxiliary ships.

The conferees encourage the manufacturers of waterjet marine propulsion systems, azimuth thrusters, and bow thrusters to consider utilizing the process contained in section 844 this Act.

*Removal of national interest determination requirements for certain entities (sec. 842)*

The House bill contained a provision (sec. 843) that would streamline the National Industrial Security Program by removing the regulatory requirements relating to National Interest Determinations (NIDs). It would build on section 1712 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), which required a review of whether certain companies "should be exempted from one or more of the foreign ownership, control, or influence [FOCI] requirements of the National Industrial Security Program." This section would address NIDs as a particularly urgent problem within that set of FOCI requirements authorized for exemption. It would also authorize the Secretary of Defense to accelerate implementation of this policy for contracting entities that have already demonstrated a longstanding commitment to industrial security and have previously been approved for access to proscribed information.

The Senate amendment contained no similar provision.  
The Senate recedes.

*Pilot program to test machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems (sec. 843)*

The House bill contained a provision (sec. 844) that would require the Under Secretary of Defense for Research and Engineering to establish a pilot program to test the feasibility and reliability of using machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.

The Senate amendment contained a similar provision (sec. 5203) that would require the Under Secretary of Defense for Research and Engineering to establish a similar pilot program.  
The Senate recedes.

*Limitation on certain procurements application process (sec. 844)*

The Senate amendment contained a provision (sec. 861) that would establish a process for consideration of products to be

included within the scope of the National Technology and Industrial Base.

The House bill contained no similar provision.

The House recedes with a technical amendment.

*Report on defense electronics industrial base (sec. 845)*

The Senate amendment contained a provision (sec. 862) that would require a report by the Secretary of Defense, no later than January 31, 2019, that would examine the health of the defense electronics industrial base both domestically and within the national technology and industrial base.

The House bill contained no similar provision.

The House recedes.

*Support for defense manufacturing communities to support the defense industrial base (sec. 846)*

The Senate amendment contained a provision (sec. 863) that would provide the Secretary of Defense with authority to establish a program to make long-term investments in critical skills, infrastructure, research and development, and small business support in order to strengthen the national security innovation base, working in coordination with the defense manufacturing institutes.

The House bill contained no similar provision.

The House recedes with an amendment that harmonizes the activities of the program with other similar programs to avoid duplication.

*Limitation on procurement of certain items for T-AO-205 program (sec. 847)*

The House bill contained a provision (sec. 841) that would amend section 2534 of title 10, United States Code, and would require certain auxiliary ship components to be procured from a manufacturer in the national technology and industrial base.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would limit procurement in fiscal year 2019 of the components listed in the House provision to manufacturers in the United States for the T-AO 205 program.

## **SUBTITLE F—SMALL BUSINESS MATTERS**

*Department of Defense small business strategy (sec. 851)*

The House bill contained a provision (sec. 851) that would require the Department of Defense to develop and implement a small business strategy to better leverage small businesses as a means to enhance or support mission execution. This section specifies that such a strategy should include plans to integrate small businesses into a holistic view of industry; to realign the Department's small business programs with agency mission under a unified management structure; and to clarify points of entry into the defense market.

The Senate amendment contained no similar provision.  
The Senate recesses.

The conferees note that a unified strategy would create expanded small business engagement in the defense sector by increasing entry points for nontraditional and innovative companies. The conferees direct the Secretary of Defense to coordinate the development of the strategy with the Department of Defense Office of Small Business Programs.

*Prompt payments of small business contractors (sec. 852)*

The House bill contained a provision (sec. 852) would direct Federal agencies to establish a prompt payment goal of 15 days for small business prime contractors. It would also extend the accelerated payment objective to other-than small prime contractors that subcontract with small businesses, and encourage these prime contractors to also accelerate payments to their small business subcontractors.

The Senate bill contained no similar provision.

The Senate recesses with an amendment that limits the provision to the Department of Defense.

*Increased participation in the Small Business Administration microloan program (sec. 853)*

The House bill contained a provision (sec. 853) that would amend section 636(m) of title 15, United States Code, by increasing the total limit on outstanding loans from \$5.0 million to \$6.0 million, and modifying the ratio from 25/75 to 50/50. It would also require the Administrator of the Small Business Administration (SBA) to report on rates among microlenders, and for the Comptroller General of the United States to assess SBA oversight of the microloan program.

The Senate amendment contained no similar provision.

The Senate recesses with technical conforming amendments to reflect the passage of certain sections in other Acts.

*Amendments to Small Business Innovation Research Program and Small Business Technology Transfer Program (sec. 854)*

The House bill contained a provision (sec. 854) that would authorize the use of Small Business Innovation Research (SBIR) or Small Business Technology Transfer (STTR) program funding for administrative costs and expand phase flexibility during fiscal years 2018 through 2022.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would expand phase flexibility during fiscal years 2018 through 2022, require the submission of outstanding reports and evaluations, create a pilot program to accelerate Department of Defense SBIR and STTR awards, direct the Comptroller General of the United States to conduct a review of the average and median amount of times that each component of the Department of Defense with an SBIR or STTR program takes to review and make a final decision on proposals submitted under the program, and make modifications to technical and business assistance under the Small Business Act.

*Construction contract administration (sec. 855)*

The House bill contained a provision (sec. 855) that would amend section 644 of title 15, United States Code, to require Federal agencies to provide prospective construction contractors with information about an agency's policies and performance on the administration of change orders.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment related to timeframes and circumstances for definitizing orders.

*Comptroller General study of impact of broadband speed and price on small businesses (sec. 856)*

The House bill contained a provision (sec. 856) that would direct the Associate Administrator for the Office of Investment and Innovation of the Small Business Administration to designate a senior employee as the "Broadband and Emerging Information Technology Coordinator." The Coordinator would be responsible for connecting small businesses with financing programs, and advising these businesses on how to acquire broadband and new information technology. This section would also direct a biennial report on activities beginning 2 years after the first designation of a Coordinator to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead direct the Comptroller General of the United States to assess the impact of broadband speed and price on small business concerns.

*Consolidated budget display for the Department of Defense Small Business Innovation Research Program and Small Business Technology Transfer Program (sec. 857)*

The House bill contained a provision (sec. 858) that would direct the Secretary of Defense to submit to Congress a budget justification for all activities conducted under the Small Business Innovation Research Program or Small Business Technology Transfer Program during the previous fiscal year.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would direct the Secretary of Defense to report Small Business Innovation Research Program and Small Business Technology Transfer Program funding in a consolidated location in the annual budget justification.

The conferees note that the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs have successfully developed and transitioned many technologies into operational use that have supported US military technological superiority, and represent proven and successful outreach and engagement with innovative small businesses. The conferees believe that this provision will enable decision makers in both Congress and the Department to better understand the valuable role that these programs play in overall technological innovation efforts. The conferees affirm the well-established SBIR and STTR funding allocation mechanism already in the program's statutory authorization which has preserved stability for the program and contributed strongly to its track record of success. The conferees note that nothing in this provision is intended to alter the existing allocation mechanism.

*Funding for procurement technical assistance program (sec. 858)*

The House bill contained a provision (sec. 859) that would amend section 2413(b) of title 10, United States Code, to provide Procurement Technical Assistance Centers (PTACs) the resources necessary to conduct greater outreach and provide expanded support to small businesses. This section would increase the funding caps for PTACs operating on statewide, less than statewide, and eligible tribal locations. This section

would also adjust the percentage of Federal funding for PTACs to 75 percent from 65 percent, and would adjust the community contribution to 25 percent from 35 percent.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Authorization for payment of certain costs relating to procurement technical assistance centers (sec. 859)*

The House bill contained a provision (sec. 862) that would authorize Procurement Technical Assistance Centers (PTACs) to form an association to pursue matters of common concern, and direct the Secretary of Defense to recognize a PTAC association with a membership of the majority of PTACs.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would direct the Director of the Defense Logistics Agency to brief the congressional defense committees on the potential utility of PTAC associations, and expands the use of authorized funds to include coordination activities among PTACs.

*Commercialization Assistance Pilot Program (sec. 860)*

The House bill contained a provision (sec. 863) that would amend the Small Business Act to create a Commercialization Assistance Pilot program.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would amend the Small Business Act to authorize commercialization assistance pilot programs, and direct the Comptroller General of the United States to conduct an assessment of the pilot, no later than 6 years after the date of the enactment.

*Puerto Rico businesses (sec. 861)*

The House bill contained a provision (sec. 864) that would modify the Small Business Act to include a definition for Puerto Rico businesses and identify potential incentives for businesses in a mentor-protégé relationship with Puerto Rico businesses.

The Senate amendment contained no similar provision.

The Senate recesses with a clarifying amendment.

*Opportunities for employee-owned business concerns through Small Business Administration loan programs (sec. 862)*

The House bill contained a provision (sec. 866) that would amend the Small Business Act to expand some loans for small

business concerns and direct the Administrator of the United States Small Business Administration (SBA) to undertake outreach and assistance activities, and a report on these activities.

The Senate amendment contained a similar provision (sec. 6006) that would strengthen SBA loan programs to support employee-owned small businesses.

The Senate recesses with clarifying and technical amendments.

## **SUBTITLE G—PROVISIONS RELATED TO SOFTWARE AND TECHNICAL DATA MATTERS**

### *Validation of proprietary and technical data (sec. 865)*

The Senate amendment contained a provision (sec. 881) that would amend section 2321(f) of title 10, United States Code, to clarify the application of rights in technical data relating to major weapons systems. This provision would also amend section 2320 of title 10, United States Code, to clarify the application of licensing of appropriate intellectual property to support major weapons systems with regard to preferences for specially negotiated licenses.

The House bill contained no similar provision.

The House recesses with an amendment that would amend only section 2321(f) of title 10, United States Code. The conferees note that Specially Negotiated Licenses are a new concept in government technical data rights and are being interpreted in many different ways by industry and government alike. Therefore, the conferees direct the Under Secretary of Defense for Acquisition and Sustainment, in conjunction with the Service Acquisition Executives, to develop guidelines, training, and policy for the usage and application of specially negotiated licenses to clarify the terms under which such licenses should be used when considering a product support strategy of a major weapon system or subsystem of a major weapon system. The Under Secretary of Defense for Acquisition and Sustainment is directed to brief the resulting guidelines and other actions to the congressional defense committees no later than 180 days after the date of enactment of this Act.

### *Continuation of technical data rights during challenges (sec. 866)*

The Senate amendment contained a provision (sec. 812) that would amend section 2321(i) of title 10, United States Code, to

clarify that the government may continue to exercise rights in technical data and noncommercial computer software during the course of a challenge with an incumbent contractor under section 2321(d) of title 10, United States Code, or under procedures established by the Department of Defense, to meet Department of Defense mission requirements and readiness needs during the course of the challenge.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the circumstances in which the Secretary of Defense or a service secretary, for programs for which milestone decision authority has been delegated, may authorize use of technical data in dispute by issuing notice and a written determination that compelling mission readiness requirements will not permit awaiting the final decision.

*Requirement for negotiation of technical data price before sustainment of major weapon systems (sec. 867)*

The House bill contained a provision (sec. 827) that would provide the Department of Defense with additional flexibility on negotiations for appropriate technical data.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify that this provision also applies to the sustainment of major weapon systems.

*Implementation of recommendations of the final report of the Defense Science Board Task Force on the Design and Acquisition of Software for Defense Systems (sec. 868)*

The Senate amendment contained a provision (sec. 882) that would direct the Secretary of Defense to implement certain recommendations of the Defense Science Board Task Force in their report on the Design and Acquisition of Software for Defense Systems.

The House bill contained no similar provision.

The House recedes.

The conferees agree with the report's emphasis on shifting the Department of Defense's treatment of software as solely a development activity to understanding that it is enduring and that, therefore, traditional models of hardware sustainment are not suited to the treatment of software in the acquisition process. As the Department considers how each recommendation would be implemented, the conferees also encourage the Department to continue to engage the private sector for their

best practices and views regarding sustainable software acquisition approaches.

*Implementation of pilot program to use agile or iterative development methods required under section 873 of the National Defense Authorization Act for Fiscal Year 2018 (sec. 869)*

The Senate amendment contained a provision (sec. 883) that would provide additional direction to the Secretary of Defense in implementing the pilot program established under section 873 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The House bill contained no similar provision.

The House recedes with an amendment to the list of participating systems; an amendment to make criteria for selecting program participation more permissive; an amendment that directs the Under Secretary of Defense for Acquisition and Sustainment to establish a Community of Practice on agile or iterative methods and identifies programs that should contribute; and an amendment that directs the Secretary to report certain information on the progress of programs participating in the pilot.

The conferees expect the Department to attend to compliance with Section 873 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91). The conferees note that the adoption of agile or iterative methods remains a challenge for the Department of Defense, despite the fact that delivery of increments of useful capability no less frequently than every six months is not only a best practice for software-intensive systems but is also a government-wide requirement for such systems. Further, as the Department implements such methods, it is important to ensure good principles of management and oversight are incorporated. In particular, given how frequently programs should be delivering features, having insight to costs and capability delivered is critical to understanding risk and overall return on investment.

*Report on requiring access to digital technical data in future acquisitions of combat, combat service, and combat support systems (sec. 870)*

The Senate amendment contained a provision (sec. 240) that would require the Secretary of Defense to prepare and submit a report regarding access to digital technical data, to include that which is necessary to support the production of three-dimensional printed parts.

The House bill contained no similar provision.

The House recesses.

The conferees direct that the study also address the potential impact upon data rights of providers, to include impacts on National Technology and Industrial Base manufacturers developing products for the Department of Defense, including contractors providing data with limited and restricted data rights.

## **SUBTITLE H—OTHER MATTERS**

*Prohibition on acquisition of sensitive materials from non-allied foreign nations (sec. 871)*

The House bill contained a provision (sec. 873) that would prohibit the acquisition of certain sensitive materials from non-allied foreign nations.

The Senate amendment contained no similar provision.

The Senate recesses with a technical amendment.

*Extension of prohibition on providing funds to the enemy (sec. 872)*

The House bill contained a provision (sec. 876) that would amend section 841(n) of the Carl Levin and Howard P. ``Buck'' McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) to change from December 31, 2019, to December 31, 2021, the sunset date for the provisions of the prohibition on providing funds to the enemy.

The Senate amendment contained no similar provision.

The Senate recesses.

The conferees encourage the Office of Management and Budget to extend by two years submission of the reports specified in section 841(i) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) on the use of the authorities in this section in the preceding calendar year, to match the extended sunset date.

*Data, policy, and reporting on the use of other transactions (sec. 873)*

The House bill contained a provision (sec. 878) that would direct the Secretary of Defense to submit an annual report on the use of transactions other than contracts, cooperative agreements, and grants, known as other transaction authority, to perform projects, and to include certain information.

The Senate amendment contained a similar provision (sec. 872) that would direct the Under Secretary of Defense for Research and Engineering, the Under Secretary of Defense for Acquisition and Sustainment, and the Service Acquisition Executives of the military departments to collect and internally share data on the use of other transactions, and use it to update policies and procedures.

The House recedes with an amendment that would combine the data collection and reporting elements of both provisions.

*Standardization of formatting and public accessibility of Department of Defense reports to Congress (sec. 874)*

The House bill contained a provision (sec. 879) that would direct the Secretary of Defense to provide a briefing to the House Committee on Armed Services on a plan for standardizing formatting and public accessibility of unclassified Department of Defense reports to Congress, to ensure they are usable.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would direct the Secretary of Defense to prepare plans to address standardization and sharing of reports to Congress, to include cost and schedule estimates.

*Promotion of the use of Government-wide and other interagency contracts (sec. 875)*

The House bill contained a provision (sec. 881) that would modify regulations relating to government-wide and other interagency contracts.

The Senate amendment contained no similar provision.

The Senate recedes.

*Increasing competition at the task order level (sec. 876)*

The House bill contained a provision (sec. 882) that would amend section 3306(c) of title 41, United States Code, to provide exceptions for certain indefinite delivery, indefinite quantity multiple-award contracts and certain federal supply schedule contracts for services acquired on an hourly rate.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would continue to require the disclosure to offerors of the importance of all evaluation factors other than cost or price.

*Individual acquisition for commercial leasing services (sec. 877)*

The House bill contained a provision (sec. 883) that would modify individual acquisition for commercial leasing services and direct the Comptroller General of the United States to conduct audits related to acquisitions for commercial leasing services.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Procurement administrative lead time definition and plan (sec. 878)*

The House bill contained a provision (sec. 884) that would direct the Administrator for Federal Procurement Policy to develop, make available for public comment, and finalize a definition of the term "procurement administrative lead time" (PALT) and produce a plan for measuring and publicly reporting data on PALT for Federal Government contracts and task orders in amounts greater than the simplified acquisition threshold.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Briefing on funding of product support strategies (sec. 879)*

The House bill contained a provision (sec. 885) that would require a report on funding of product support strategies.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require an annotated briefing regarding the funding for product support strategies for major weapon systems, and a summary of improvements made to data collection and analysis capabilities of the Department, including in the Military Services, to improve the analysis and cost estimation of lifecycle costs, analysis and identification of cost drivers, reduce lifecycle cost variance, identify common and shared costs for multiple weapons systems, and isolate the lifecycle costs attributable to specific individual weapons systems.

*Use of lowest price technically acceptable source selection process (sec. 880)*

The House bill contained a provision (sec. 886) that would require a revision of the Federal Acquisition Regulation to clarify in which solicitations the lowest price technically acceptable source selection criteria may be used.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would clarify the categories and threshold applicable in the provision. The

conferees note that, in order to balance effective oversight with reasonable expenditure of resources, the Government Accountability Office is expected to develop a methodological approach that will provide sufficient insight into the extent to which lowest price technically acceptable source selection criteria are used by executive agencies, without requiring a review of each individual instance in which such criteria are used.

*Permanent Supply Chain Risk Management Authority (sec. 881)*

The Senate amendment contained a provision (sec. 801) that would permanently extend the authority provided in section 806 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111-383) regarding the management of supply chain risk and would clarify the Secretary of Defense's ability to make determinations under the authority to apply throughout the Department of Defense.

The House bill contained no similar provision.

The House recesses.

*Review of market research (sec. 882)*

The Senate amendment contained a provision (sec. 802) that would amend section 2431a of title 10, United States Code, to define the market research requirement of major defense acquisition program acquisition strategies. This provision is intended to improve the Department of Defense's capacity to conduct market research by diversifying the sources and methods used.

The House bill contained no similar provision.

The House recesses with an amendment that would direct the Assistant Secretary of Defense for Acquisition and Sustainment to conduct a review of market research guidance and practices.

The conferees note that a growing share of the Department's spending is on information technology products and services and believes robust market research is critical to acquisition planning. The conferees believe that sufficient attention is not being given to market research and are concerned that the Department's sources of data for market research are limited and lack diversity.

The conferees therefore encourage the Department's contracting officers to use commercially available detailed third-party market research, which should include any disclosures of a third-party's interests and which should be considered by contracting officers in the context of all available data sources, to ensure that they have the best and

most complete information available in developing and executing their acquisition strategies.

*Establishment of integrated review team on defense acquisition industry-government exchange (sec. 883)*

The Senate amendment contained a provision (sec. 842) that would direct the Chairman of the Defense Business Board to convene an integrated review team with members of the Defense Innovation Board and Defense Science Board to undertake a study on the exchange of defense industry personnel on term assignments within the Department. The study shall review: (1) Legal, ethical, and financial disclosure requirements for industry-government exchanges; (2) Existing or previous industry-government exchange programs; and (3) How the military departments address legal, ethical, and financial requirements for reserve component servicemembers who also maintain civilian employment in the defense industry. The team shall also produce recommendations to reduce barriers to industry-government exchange while ensuring financial and ethical integrity to protect the best interests of the Department.

The House bill contained no similar provision.

The House recesses.

*Exchange program for acquisition workforce employees (sec. 884)*

The Senate amendment contained a provision (sec. 843) that would require the Secretary of Defense to establish an exchange program that would temporarily assign civilian personnel working in the defense acquisition workforce, as defined by chapter 87 of title 10, United States Code, to a rotational program that would broaden the skills and expertise of participants and improve communication within and integration of the acquisition community.

The House bill contained no similar provision.

The House recesses.

*Process to limit foreign access to technology (sec. 885)*

The Senate amendment contained a provision (sec. 820) that would authorize the Under Secretary of Defense for Research and Engineering to include in the terms of any contract provisions that would limit access by select persons or organizations to sensitive technology, and authorize the potential forfeit of intellectual property rights if these terms were violated.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the authority to include these limitations in the terms of any contract and instead directs the Secretary of Defense to develop a process and procedures for limiting access to technology through contracts, grants, cooperative agreements, or other transactions, when such limitation is in the interest of national security.

*Procurement of telecommunications supplies for experimental purposes (sec. 886)*

The Senate amendment contained a provision (sec. 894) that would ensure the Director, Operational Test and Evaluation, and other developmental testing organizations be given access to all data associated with certain modeling and simulation activities supporting the acquisition of military capabilities.

The House bill contained no similar provision.

The House recedes.

*Access by developmental and operational testing activities to data regarding modeling and simulation activity (sec. 887)*

The Senate amendment contained a provision (sec. 895) that would ensure the Director, Operational Test and Evaluation, and other developmental testing organizations be given access to all data associated with modeling and simulation activities supporting the acquisition of military capabilities.

The House bill contained no similar provision.

The House recedes.

The conferees note that modeling and simulation tools and activities are critical to reducing risk in technology development initiatives and acquisition programs. The conferees note the use of modeling and simulation to reduce risk in operational or live fire test and evaluation is especially relevant when operational conditions are difficult or expensive to replicate in testing certain military capabilities, such as: performance of systems in space, intercept capability of ballistic missile defense systems, and a ship's ability to withstand shocks.

The conferees also note that given the increasing use of software-driven capabilities, modeling and simulation is also beneficial during developmental testing and evaluation, including modeling and simulating complex cyber threats to facilitate accurate assessments of security features.

The conferees understand that Department of Defense policies require models to be verified, validated, and accredited in order to be deemed effective at reducing risk and

cost, as well as to improve understanding and predictability of system performance.

The conferees are concerned that despite these Department policies, programs and initiatives are using models in lieu of real world testing, even though they have not been verified, validated, and accredited.

Accordingly, this provision would direct developmental and operational test organizations be given access to all data associated with verification, validation, and accreditation of modeling and simulation activities to ensure development, production, and fielding decisions that depend on outcomes from such activities are fully informed.

The conferees also urge the Department to continue efforts to improve the quality and fidelity of computer models for use in test and evaluation activities.

*Instruction on pilot program regarding employment of persons with disabilities (sec. 888)*

The Senate amendment contained a provision (sec. 5801) that would direct the Secretary of Defense to update the Defense Federal Acquisition Regulatory Supplement to include an instruction on the pilot program regarding employment of persons with disabilities authorized under section 853 of the National Defense Authorization Act for Fiscal Year 2004.

The House bill contained no similar provision.

The House recedes.

*Prohibition on certain telecommunications and video surveillance services or equipment (sec. 889)*

The House bill contained a provision (sec. 880) that would provide that, not later than January 1, 2021, no government agency may procure or obtain, nor extend or renew a contract to procure or obtain, nor enter into a contract with an entity that uses covered telecommunications equipment or services with any covered entity. The covered equipment would encompass telecommunications and video surveillance products and services provided by Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hikvision Digital Technology Company, or Hahua Technology Company, or any company that the head of a relevant Federal agency reasonably believes is controlled by the government of the Peoples Republic of China.

The Senate amendment contained a similar provision (sec. 6702) that would prohibit by the heads of Federal agencies procurement of telecommunications equipment or services from Huawei Technologies Company or ZTE Corporation, any subsidiary

or affiliate of such entities, or any entity controlled by the government of the People's Republic of China. The provision would also prohibit entry into a contract with any entity that uses equipment, as a critical component of any system, from Huawei Technologies Company, the ZTE Corporation, any subsidiary or affiliate of such entities, or any entity controlled by the government of the People's Republic of China. The provision would prohibit the modification of any penalty implemented by the United States Government with respect to a Chinese telecommunications company upon a determination that the company has violated an export control or sanctions law until the President certifies to the appropriate congressional committees that the company is compliant and cooperative with US laws and related investigations. The provision would also reinstate penalties imposed on ZTE on April 15, 2018 by the Acting Assistant Secretary of the Commerce for Export Enforcement and would limit the future modification of such penalties.

The House recedes with an amendment that would not prohibit modification of penalties nor re-impose penalties on the ZTE Corporation, clarify the applicable timelines and waivers, and require the heads of executive agencies administering loan, grant, or subsidy programs to prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications services to users and customers is sustained. The conferees stress the importance of assisting rural communications service providers, anchor institutions, and public safety organizations in replacing covered equipment and associated support services contracts as soon as practicable.

*Pilot program to accelerate contracting and pricing processes (sec. 890)*

The Senate amendment contained a provision (sec. 833) that would establish a pilot program for the Secretary of Defense to reform and accelerate the contracting and pricing processes associated with major weapons systems programs through basing price reasonableness determinations on actual cost and pricing data for purchases of the same or similar products for the Department of Defense and reducing the cost and pricing data to be submitted in accordance with section 2306a of title 10, United States Code. This authority would expire on January 2, 2021.

The House bill contained no similar provision.

The House recesses with an amendment that would limit the pilot to ten contracts not classified as major defense acquisition programs and require a report to the congressional defense committee on the results of the pilot no later than January 30, 2021.

### **LEGISLATIVE PROVISIONS NOT ADOPTED**

#### *Comptroller General of the United States report on progress payment financing of Department of Defense contracts*

The Senate amendment contained a provision (sec. 819) that would require the Comptroller General of the United States to submit a report, no later than 180 days after the date of the enactment of this Act, to the congressional defense committees on the results of an analysis of the effects of current financing levels of defense contracts on defense contractors and Defense budgets.

The House bill contained no similar provision.

The Senate recesses.

The conferees direct the Comptroller General of the United States to submit to the congressional defense committees, no later than 180 days after the date of enactment of this Act, a report on the results of an analysis of the effects of current financing levels of Department of Defense contracts on contractors of the Department and the budgets of the Department to include an analysis and assessment of the impact to government and business on the relationship between financing amounts and contractor profit and the willingness of contractors to pursue contracts with the Department. The assessment should take into consideration past changes to progress payment rates and conditions as well as progress payment rates and limitations on progressing for undefinitized contract actions.

#### *Contract goal for the AbilityOne program*

The House bill contained a provision (sec. 821) that would amend section 2323a of title 10, United States Code, to create a contract goal for the AbilityOne program of 1.5 percent. This section would also require the Secretary of Defense to submit an annual report to the U.S. AbilityOne Commission on progress made toward achieving said contract goal.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that the AbilityOne program must have policies and procedures in place to ensure that funding is used in a way that maximizes the benefits to the people it is

intended to serve and that taxpayer funds are not wasted. Recognizing this, in 2015 the Congress directed the establishment of an AbilityOne Inspector General, and in 2016 Congress directed the establishment of a Panel on Department of Defense, and AbilityOne Contracting, Oversight, Accountability, and Integrity. The conferees note that both the Inspector General and the Panel are generating findings and recommendations for needed reforms and expect the AbilityOne Commission to take appropriate steps in the future to increase transparency and effectiveness of the program.

*Sense of Congress on awarding of contracts to responsible companies that primarily employ American workers and do not actively transfer American jobs to potential adversaries*

The Senate amendment contained a provision (sec. 822) that would express the sense of Congress that the Department of Defense should award contracts to responsible companies that primarily employ United States workers or are partners in the national technology and industrial base and do not actively transfer United States jobs to potential adversaries.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that the Department of Defense should award contracts to responsible companies that primarily employ United States workers or are partners in the national technology and industrial base and do not actively transfer United States jobs to potential adversaries.

*Preference for offerors employing veterans*

The House bill contained a provision (sec. 823) that would amend chapter 137 of title 10, United States Code, by adding a new section that would authorize the head of an agency, in awarding a contract for the procurement of goods and services for the Department of Defense, to establish a preference for offerors that employ veterans on a full-time basis, with criteria for use of such preference determined by the Secretary of Defense.

The Senate amendment contained no similar provision.

The House recesses.

*Competition requirements for purchases from Federal Prison Industries*

The House bill contained a provision (sec. 826) that would amend section 2410n of title 10, United States Code. This section would create a requirement for conducting market research before purchasing a product listed in the Federal Prison Industries (FPI) catalog.

The Senate amendment contained no similar provision.  
The House recesses.

*Revision of timeline for use of the rapid fielding pathway for acquisition programs*

The House bill contained a provision (sec. 829) that would amend section 804(b)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to change part of the objective of an acquisition program under the rapid fielding pathway from completing fielding within 5 years, to completing low-rate initial production within 5 years.

The Senate amendment contained no similar provision.  
The House recesses.

*Definition of subcontract*

The House bill contained a provision (sec. 832) that would create a precise definition for "subcontract" in title 41, United States Code, and incorporate this revised definition in title 10, United States Code.

The Senate amendment contained no similar provision.  
The House recesses.

*Permanent authority for demonstration projects relating to acquisition personnel management policies and procedures*

The Senate amendment contained a provision (sec. 841) that would amend section 1762 of title 10, United States Code, to provide a permanent authority for personnel programs for employees in the Department of Defense civilian acquisition workforce and supporting personnel assigned to work directly with that workforce.

The House bill contained no similar provision.  
The Senate recesses.

*Security of Department of Defense telecommunication services*

The House bill contained a provision (sec. 845) that would direct the Secretary of Defense to give preference in awarding contracts for telecommunication services or installation of telecommunication infrastructure on military installations

located in the United States or its territories to American-owned and -operated companies.

The Senate amendment contained no similar provision.  
The House recesses.

*Sense of Congress on unmanned ground vehicle technology*

The House bill contained a provision (sec. 846) that would provide a sense of Congress on unmanned ground vehicle technology.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that the design, manufacturing, and repair of the technology in unmanned ground vehicles is critical to national security.

*Amendments to the Small Business Investment Act of 1958*

The House bill contained a provision (sec. 857) that would amend the Small Business Investment Act of 1958 (15 U.S.C. 682(b)) by increasing the Individual Leverage Limit from \$150.0 million to \$175.0 million and by increasing the total amount of capital and surplus that a financial institution and Federal savings association can invest in a small business investment company from 5 percent to 15 percent.

The Senate amendment contained no similar provision.  
The House recesses.

*Exemption of certain contracts from the periodic inflation adjustments to the acquisition-related dollar threshold*

The House bill contained a provision (sec. 860) that would amend subparagraph (B) of section 1908(b)(2) of title 41, United States Code, to exempt certain contracts from the periodic inflation adjustments to the acquisition-related dollar threshold.

The Senate amendment contained no similar provision.  
The House recesses.

*SCORE*

The House bill contained a provision (sec. 861) that would amend the Small Business Act to reauthorize the SCORE program.

The Senate amendment contained no similar provision.  
The House recesses.

*United States Virgin Islands Small Business Contracting Assistance*

The House bill contained a provision (sec. 865) that would modify the Small Business Act with regard to the United States Virgin Islands.

The Senate amendment contained no similar provision.  
The House recesses.

*Veteran entrepreneurship training*

The House bill contained a provision (sec. 867) that would amend section 32 of the Small Business Act (15 U.S.C. 657b) to require the Administrator of the Small Business Administration to carry out a program to provide entrepreneurship training to certain servicemembers, veterans, and their spouses or dependents.

The Senate amendment contained no similar provision.  
The House recesses.

*Improvement of small business development centers program*

The House bill contained a provision (sec. 868) that would modify the small business development centers program.

The Senate amendment contained no similar provision.  
The House recesses.

*Additional requirements for negotiations for noncommercial computer software*

The House bill contained a provision (sec. 871) that would amend section 2322a of title 10, United States Code, and codify existing Defense Federal Acquisition Regulations on noncommercial software rights as well as mandate, to the maximum extent practicable, that specially negotiated licenses be used for weapon systems noncommercial software.

The Senate amendment contained no similar provision.  
The House recesses.

*Removal of requirement for risk and sensitivity analysis of baseline estimates in Selected Acquisition Reports*

The House bill contained a provision (sec. 872) that would amend section 2432(c)(1)(B) of title 10, United States Code, by removing the requirement for risk and sensitivity analysis to be included with baseline estimates in selected acquisition reports.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that quantitative and qualitative risk and sensitivity analyses help decision-makers to identify cost drivers and understand the effects of changing variables on cost estimates. The National Defense Authorization Act for Fiscal Year 2014 (Public Law 113-66) required that a program's baseline cost estimate, along with the associated risk curve and sensitivity of that estimate, be provided in the quarterly selected acquisition reports. In addition, it required that the reports include the current point estimate bounded by the low-end and high-end estimates and the associated sensitivity of those estimates, and identification of the primary risk parameters associated with the estimate. The conferees note that these requirements are intended to promote use of relatively commonplace data and statistical analysis techniques that are well understood by most practitioners. However, the conferees understand that this language has been interpreted by Department of Defense officials as requiring analysis of the sensitivity of the information in a security context for selected acquisition reports, resulting in unwarranted barriers to dissemination. The conferees direct the Department of Defense to comply with all legal requirements relating to contents of selected acquisition reports, noting the clarification of intent above. Further, the conferees direct the Department to avoid labeling selected acquisition reports as "For Official Use Only" unless the specific justification for such restrictive markings is provided to the Congress for each individual report.

*Transfer or possession of defense items for national defense purposes*

The House bill contained a provision (sec. 874) that would amend sections 922 and 925 of title 18, United States Code, to allow joint production, integration, and calibration of military-grade hardware by licensed contractors, transfers of defense items to government customers, and export of authorized weapons to foreign governments.

The Senate amendment contained no similar provision.  
The House recesses.

*Expedited hiring authority for shortage category positions in the acquisition workforce*

The House bill contained a provision (sec. 875) that would expand and extend direct-hire authority for acquisition professionals.

The Senate amendment contained no similar provision.  
The House recesses.

*Sense of Congress regarding steel produced in the United States*

The House bill contained a provision (sec. 887) that would provide a sense of Congress regarding steel produced in the United States.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that a strong domestic iron ore and steel industry is vital to the national security of the United States.

*Permanent SBIR and STTR authority for the Department of Defense*

The Senate amendment contained a provision (sec. 893) that would amend section 638 of title 15, United States Code, to provide a permanent authority for the Small Business Innovation Research program (SBIR) and the Small Business Technology Transfer program (STTR) in the Department of Defense.

The House bill contained no similar provision.  
The Senate recesses.

**TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION  
AND MANAGEMENT**

**SUBTITLE A—OFFICE OF THE SECRETARY OF  
DEFENSE AND RELATED MATTERS**

*Report on allocation of former responsibilities of the Under  
Secretary of Defense for Acquisition, Technology, and Logistics  
(sec. 901)*

The Senate amendment contained a provision (sec. 904) that would direct the Secretary of Defense to report on decisions taken as part of the reorganization of the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics to allocate the responsibilities that are referenced in United States Code.

The House bill contained no similar provision.  
The House recesses.

*Modification of responsibilities of the Under Secretary of  
Defense for Policy (sec. 902)*

The Senate amendment contained a provision (sec. 903) that would modify the responsibilities of the Under Secretary of Defense for Policy to include greater oversight of defense strategy and planning guidance in alignment with the National Defense Strategy (NDS). These modifications would encompass the preparation and development of policy guidance for campaign and contingency plans by the combatant commands, as well as the oversight and integration of strategic documents such as the National Security Strategy (NSS) and the Defense Planning Guidance (DPG).

The House bill contained no similar provision.

The House recedes with an amendment that would further refine the responsibilities of the Under Secretary of Defense for Policy including a clarification of its role in providing joint force requirements guidance through the Defense Planning Guidance. Furthermore, the Under Secretary, in coordination with the Director of Cost Assessment and Program Evaluation and the Chairman of the Joint Chiefs of Staff, would develop planning scenarios for the future joint environments to use in assessments and the development of specific objectives for joint force capabilities (both capacity and readiness).

The conferees recognize the importance of the Under Secretary of Defense in developing strategy and providing associated policy guidance for force development, planning, and posture. However, deteriorating policy functions in areas such as joint force assessments have led to shortcomings in resource allocation and prioritization efforts. In turn, this can exacerbate capability gaps and lead to the erosion of U.S. military superiority. In light of these trends, the conferees urge the Department to clearly define the Under Secretary of Defense primary functions as well as integrate its critical responsibilities with the priorities outlined in the 2018 National Defense Strategy.

*Clarification of responsibilities and duties of the Chief Information Officer of the Department of Defense (sec. 903)*

The Senate amendment contained a provision (sec. 906) that would clarify the responsibilities and duties of the Chief Information Officer (CIO) of the Department of Defense by specifically delineating its authorities from those assigned to the Chief Management Officer (CMO) in the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

Section 910 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) designated the CMO as the CIO of the Department for the purposes of Defense business systems (10 U.S.C. 2222). The provision assigned the CMO the

responsibility of administering the duties and responsibilities specified in sections 11315 and 11319 of title 40, section 3506(a)(2) of title 44, and section 2223(a) of title 10 for business systems and management. The provision also assigned the CMO with any responsibilities, duties, and powers relating to business systems or management that are exercisable by a chief information officer for the Department, other than those responsibilities, duties, and powers of a chief information officer that are vested in the Chief Information Officer of the Department of Defense by section 142 of title 10, United States Code.

The House bill contained no similar provision.

The House recesses.

*Technical corrections to Department of Defense Test Resource Management Center authority (sec. 904)*

The Senate amendment contained a provision (sec. 909) that would align the reporting relationship of the Test Resource Management Center to the Under Secretary of Defense for Research and Engineering, as a conforming change reflecting the disestablishment of the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics.

The House bill contained no similar provision.

The House recesses.

*Specification of certain duties of the Defense Technical Information Center (sec. 905)*

The Senate amendment contained a provision (sec. 907) that would expand the duties of the Defense Technical Information Center to include execution of the Global Research Watch program and the development and maintenance of datasets and data repositories on research and engineering activities.

The House bill contained no similar provision.

The House recesses.

**SUBTITLE B—ORGANIZATION AND MANAGEMENT OF  
OTHER DEPARTMENT OF DEFENSE OFFICES AND  
ELEMENTS**

*Comprehensive review of operational and administrative chains-of-command and functions of the Department of the Navy (sec. 911)*

The House bill contained a provision (sec. 905) that would amend section 5013 of title 10, United States Code, to require the Secretary of the Navy to designate a single commander within the Department of the Navy responsible for ensuring Navy forces are available for tasking and deployment, including those Navy forces that may be operating from a forward deployed location. This provision would also require the Secretary to designate a single commander for all Navy shipyards, including any located overseas.

The Senate amendment contained a similar provision (sec. 1043) that would require the Secretary of the Navy to conduct a comprehensive review of the operational and administrative chains-of-command and functions in the Department of the Navy.

The House recesses.

The conferees direct the Secretary of the Navy to review the chains-of-command for Navy shipyards and determine if a single commander should be responsible for all such shipyards.

*Modification of certain responsibilities of the Chairman of the Joint Chiefs of Staff relating to joint force concept development (sec. 912)*

The Senate amendment contained a provision (sec. 921) that would clarify the strategic planning role of the Chairman of the Joint Chiefs of Staff by including both a short-term and long-term focus on force concept development to meet national security shortfalls. This provision would seek to address joint force capability gaps in addition to present procurement requirements.

The House bill contained no similar provision.

The House recesses with an amendment that would eliminate the specific direction regarding exercising and, if appropriate, fielding joint concept assessments in support of the joint force.

The conferees note that not all capability gaps can, or should, be addressed by procurement or addition of end-strength. Expanding joint force concept development efforts should enable the Department of Defense to better meet the diverse set of challenges facing the military in a more efficient manner.

*Clarification of certain risk assessment requirements of the Chairman of the Joint Chiefs of Staff in connection with the National Military Strategy (sec. 913)*

The Senate amendment contained a provision (sec. 5901) that would amend section 153(b) of title 10, United States Code, to include new language concerning military strategic risks to

the United States interests and military risks in executing the National Military Strategy.

The House bill contained no similar provision.

The House recesses.

*Assistant Secretary of Defense for Special Operations and Low Intensity Conflict review of United States Special Operations Command (sec. 914)*

The Senate amendment contained a provision (sec. 922) that would require the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict, in coordination with the Commander, U.S. Special Operations Command (SOCOM), to conduct a comprehensive review of SOCOM for the purpose of ensuring that the institutional and operational capabilities of special operations forces are appropriate to counter future threats across the spectrum of conflict.

The House bill contained no similar provision.

The House recesses.

*Expansion of principal duties of Assistant Secretary of the Navy for Research, Development, and Acquisition (sec. 915)*

The Senate amendment contained a provision (sec. 924) that would expand the principal duties of the Assistant Secretary of the Navy for Research, Development, and Acquisition to include sustainment.

The House bill contained no similar provision.

The House recesses.

*Qualifications for appointment as Deputy Chief Management Officer of a military department (sec. 916)*

The Senate amendment contained a provision (sec. 923) that would create qualification criteria for military department Deputy Chief Management Officers to include either significant experience in business operations and management in the public sector or significant experience managing an enterprise in the private sector.

The House bill contained no similar provision.

The House recesses.

The conferees note that these desired qualifications are intended to be a guide for the military departments to recruit the best possible private and public sector managerial talent with requisite expertise.

*Deadline for completion of full implementation of requirements in connection with organization of the Department of Defense for management of special operations forces and special operations (sec. 917)*

The Senate amendment contained a provision (sec. 926) that would require full implementation of the reforms contained in section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) not later than 90 days after enactment of this Act.

The House bill contained no similar provision.

The House recesses.

The conferees note that section 922 of Public Law 114-328 included a number of reforms designed to empower the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict (ASD SOLIC) to act as the "service secretary-like" civilian responsible for exercising "authority, direction and control of all special operations-peculiar administrative matters relating to the organization, training, and equipping of special operations forces (SOF)." However, the conferees are concerned that, despite passage of Public Law 114-328 more than 20 months ago, the implementation of the reforms contained in section 922 remain incomplete.

The conferees further note that section 922 established a new administrative chain of command to facilitate the exercise of these responsibilities that runs from the Commander of U.S. Special Operations Command (SOCOM) through the ASD SOLIC to the Secretary of Defense, thereby mirroring the relationship between the Secretary of Defense and the service secretaries. This reform was, in part, intended to address the fact that the ASD SOLIC's organizational location within the office of the Under Secretary of Defense for Policy (USD(P)) has resulted in the ASD SOLIC dedicating the preponderance of their time and resources to policy and operational issues, at the expense of their "service secretary-like" responsibilities. The conferees understand the Department continues to work towards full implementation of this administrative chain of command, but reiterate their intent that the ASD SOLIC is empowered to act independent of the USD(P) in fulfillment of their "service secretary-like" responsibilities related to the organization, training, and equipping of special operations forces. This administrative chain of command is not intended to impact the relationship between the ASD SOLIC and USD(P) on policy matters relating to the employment of special operations forces and related authorities.

The conferees also recognize that current civilian manpower within the ASD SOLIC is not sufficient to fulfill the

"service secretary-like" responsibilities for the advocacy and oversight of SOF mandated by Congress. The conferees note that, elsewhere in this Act, there is a provision requiring that, of the funds authorized in Operation & Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, not less than \$4 million shall be used to fund additional civilian personnel in or directly supporting the ASD SOLIC Secretariat for Special Operations. This provision would also exempt these additional personnel from the overall personnel caps on the Office of the Secretary of Defense. The conferees believe this is an appropriate model for adequately staffing the ASD SOLIC Secretariat for Special Operations. The conferees encourage the Department to request adequate funding in future years and to propose legislative or other recommendations that would facilitate adequate staffing of the ASD SOLIC Secretariat for Special Operations.

*Cross-functional teams in the Department of Defense (sec. 918)*

The Senate amendment contained a provision (sec. 925) that would require the Secretary of Defense to establish three cross-functional teams (CFTs) as directed in section 911 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114-328) and would require the Deputy Secretary of Defense to establish or designate an office as the Office of Primary Responsibility for implementing section 911.

The House bill contained no similar provision.

The House recesses with an amendment that limits the statutory establishment of CFTs to one: the CFT for electronic warfare, which the Department itself has not yet created.

In addition to the team established within this provision, the conferees encourage the Secretary of Defense to designate the ongoing teams on personnel security and close combat lethality as CFTs under section 911 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114-328). The conferees stress that this designation should only be made in the event it does not require any changes in either of the ongoing efforts' organization, management, authorities, mission, or activities. In that regard, the conferees note that these teams already have the characteristics and meet the requirements of CFTs established in law by section 911. The conferees remain committed to monitoring the implementation of section 911 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114-328).

*Limitation on transfer of the Chemical, Biological, and Radiological Defense Division of the Navy (sec. 919)*

The House bill contained a provision (sec. 922) that would require the Secretary of the Navy to provide a report to the congressional defense committees on the timeline, costs, risks, and benefits of transferring the Chemical, Biological, and Radiological Defense Division in Dahlgren, Virginia, to another location.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

The conferees note the Chemical, Biological, and Radiological Defense Division of the Navy, currently based at the Naval Surface Warfare Center in Dahlgren, Virginia, consists of a highly effective team of scientists performing critical work for the United States. The Secretary of the Navy has notified Congress of the intent to transfer the division to another location, however, the Secretary has not provided Congress with a detailed cost benefit analysis or any other information that adequately justifies the proposed transfer of the division.

## **SUBTITLE C—COMPREHENSIVE PENTAGON BUREAUCRACY REFORM AND REDUCTION**

*Authorities and responsibilities of the Chief Management Officer of the Department of Defense (sec. 921)*

The House bill contained a provision (sec. 911) that would amend the authorities of the Chief Management Officer to include budget authority and would authorize the Chief Management Officer to reduce or eliminate duplicative cross-enterprise functions across all Defense Agencies and Field Activities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend the Chief Management Officer's budget authority over all enterprise business operations, adjust the execution requirements to ensure greatest efficiency for the Department of Defense, and synchronize cost savings reporting associated with increasing effectiveness and efficiency of certain activities.

*Analysis of Department of Defense business management and operations datasets to promote savings and efficiencies (sec. 922)*

The Senate amendment contained a provision (sec. 941) that would direct the Chief Management Officer to develop a policy on the analysis of Department of Defense datasets on business

management and operations and to pilot three to five of these previously non-public datasets under that policy.

The House bill contained no similar provision.

The House recedes with a technical amendment.

The conferees urge the Department to use the exposure of business management and operations datasets as a tool for the accomplishment of enterprise business reform.

*Periodic review of the Defense Agencies and Department of Defense Field Activities by the Chief Management Officer of the Department of Defense (sec. 923)*

The House bill contained a provision (sec. 913) that would require the Secretary of Defense, acting through the Chief Management Officer (CMO), to submit a plan to transfer several Defense Information Systems Agency functions to other Department elements, to eliminate the Washington Headquarters Service, and to review the efficiency and effectiveness of each Defense Agency and Department of Defense Field Activity.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the portions of the provision related to the Defense Information Systems Agency and the Washington Headquarters Service, and amend the review of efficiency and effectiveness.

*Actions to increase the efficiency and transparency of the Defense Logistics Agency (sec. 924)*

The House bill contained a provision (sec. 914) that would require that the Director of the Defense Logistics Agency (DLA) and the Chief Management Officer jointly implement a comprehensive system that enables customers to have increased insight into their DLA orders, and to jointly reduce charged rates by at least 10 percent, eliminate duplication of services, and establish specific goals and metrics to ensure the agency is fulfilling its mission.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend the provision to add flexibility around the achievement of the savings target.

*Review of functions of Defense Contract Audit Agency and Defense Contract Management Agency (sec. 925)*

The House bill contained a provision (sec. 915) that would direct the Under Secretary of Defense for Acquisition and Sustainment and the Under Secretary of Defense (Comptroller) to

conduct a joint review of the Defense Contract Audit Agency and Defense Contract Management Agency to validate their missions and functions and determine if any of their functions could be more appropriately performed by the other Agency, any other organization within the Department of Defense, or commercial providers.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend elements of the reporting requirement.

*Review and improvement of the operations of the Defense Finance and Accounting Service (sec. 926)*

The House bill contained a provision (sec. 916) that would require that, not later than January 1, 2021, the Chief Management Officer and the Under Secretary of Defense (Comptroller) shall jointly carry out activities to make the Defense Finance and Accounting Services more efficient and effective.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would replace the streamlining activities with a report and amend the reporting requirement.

*Assessment of chief information officer functions in connection with transition to enterprise-wide management of information technology and computing (sec. 927)*

The House bill contained a provision (sec. 917) that would require that, starting in calendar year 2021, there may not be more than five "Chief Information Officer" in the Department of Defense at the level of Senior Executive Service positions.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead require the Chief Information Officer of the Department of Defense, in conjunction with the Chief Management Officer of the Department of Defense, to conduct an assessment of chief information officer functions in the Department of Defense and report the results of that assessment to the congressional defense committees.

*Comptroller General of the United States report on cross-enterprise activities of the Inspectors General of the Department of Defense (sec. 928)*

The House bill contained a provision (sec. 912) that would require the Department of Defense Inspector General (IG) to

maximize efficiency among Department IGs with respect to any cross-enterprise IG activities. This provision would require each organization or element IG to submit a budget to the Department of Defense IG for review before submission to the Under Secretary of Defense (Comptroller).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that replaces the provision with a Comptroller General of the United States report on cross-enterprise activities of the Inspector General of the organizations and elements of the Department of Defense.

#### *General provisions (sec. 929)*

The House bill included a provision (sec. 918) that would provide authority for the Secretary of Defense and the Chief Management Officer of the Department of Defense to consolidate certain reporting requirements established in this Act. This section would also define certain terms used in this Act and make certain conforming changes in title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

## **SUBTITLE D—OTHER DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT MATTERS**

#### *Limitation on availability of funds for major headquarters activities of the Department of Defense (sec. 931)*

The Senate amendment contained a provision (sec. 931) that would amend chapter 2 of title 10, United States Code, to limit the amount of funds available for major headquarters activities (MHA) within the Department of Defense (DOD). Beginning in fiscal year 2021, the provision would prohibit the DOD from spending more than 1.6 percent of the 10-year average of the DOD budget on MHA.

Of the funds authorized to be spent on MHA, no more than 0.4 percent of the Department's 10-year budget average shall be available for Office of the Secretary of Defense MHA entities. Additionally, within the total funds available for MHA, 1 percent of the 10-year average of each military department budget shall be available for the MHA requirements of each military department concerned.

Any remaining funds available for MHA requirements may be distributed to any MHA organization within the Department of Defense, with the exception of MHA organizations within the

Office of the Secretary of Defense. Combatant command MHA requirements will be funded out of these remaining resources.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Under Secretary of Defense (Comptroller) to certify, and report to the congressional defense committees by no later than February 1, 2019, the average percentage of the DOD budget spent on major headquarters activities (MHA) over the preceding 10 fiscal years. The amendment would also limit the funds authorized to be spent on MHA in fiscal year 2021 to the percentages certified by the Under Secretary of Defense (Comptroller) in the report described above, as applied against the amount of funding authorized to be appropriated in fiscal year 2021.

*John S. McCain Strategic Defense Fellows Program (sec. 932)*

The Senate amendment contained a provision (sec. 937) that would require the Secretary of Defense to establish, within 1 year of the date of the enactment of this Act, the Strategic Defense Fellows Program within the Department of Defense (DOD) to provide leadership development and the commencement of a career track toward senior leadership in the Department. The provision would prescribe eligibility, application, selection, assignment, term, and certain pay and benefit requirements for prospective fellows. Additionally, the provision would require the Secretary to ensure fellows receive opportunities and support appropriate for commencement of a career track within the DOD that could lead to a future position of senior leadership within the Department. The provision would include authorization of an appropriation of \$10.0 million for each fiscal year for the DOD for operation and maintenance, Defense-wide, to carry out the fellows program.

The Senate amendment contained a provision (sec. 1254A) that would cause section 937 to have no force or effect.

The Senate amendment contained another provision (sec. 1254B) that would rename the program, the "John S. McCain Strategic Fellows Program," and would prescribe the same requirements as section 937.

The House bill contained no similar provisions.

The Senate recedes on sections 937 and 1254A.

The House recedes on section 1254B with an amendment that would authorize assignment of no more than five participants in the fellows program to the office of a service secretary in any year. In addition, the amendment would provide opportunities for participants, upon successful completion of the fellows program, to work at Department installations or field activities for a

period between 12 and 24 months. The amendment would include authorization of an appropriation of \$10.0 million for each fiscal year for the DOD for operation and maintenance, Defense-wide, to carry out the fellows program.

*Performance of civilian functions by military personnel (sec. 933)*

The House bill included a provision (sec. 903) that would amend section 129a of title 10, United States Code, to require that when the Secretaries of the military departments determine that the performance of civilian functions by military personnel is cost effective, that they further consider whether the functions performed are consistent with the military occupational specialty for which the military personnel have been trained.

The Senate amendment included no similar provision.

The Senate recedes with an amendment that would require the service secretaries, when considering the use of military personnel to perform civilian functions, to take into account the fully-burdened costs of the civilian, military, and contractor workforces, and the impact such assignments would have on military career progression.

*Report on implementation of requirements on estimation and comparison of costs of civilian and military manpower and contract support for the Department of Defense (sec. 934)*

The House bill contained a provision (sec. 902) that would amend section 129 of title 10, United States Code, to require the Secretary of Defense to consider the cost of the Department of Defense military and contract workforces, along with the cost of the civilian workforce, when managing the civilian personnel workforce of the Department.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to submit to the congressional defense committees, not later than March 1, 2019, a report on the implementation of Department of Defense Instruction 7041.04.

*Review of foreign currency exchange rates and analysis of Foreign Currency Fluctuations, Defense appropriation (sec. 935)*

The House bill contained a provision (sec. 923) that would direct the Under Secretary of Defense (Comptroller), in coordination with each Secretary of a military department, to conduct a review of the exchange rate for such foreign currency

used when making a disbursement pursuant to a contract to determine whether cost-savings opportunities exist.

The Senate amendment contained no similar provision.

The Senate recesses with a technical amendment to require the report be submitted by January 31, 2019.

*Responsibility for policy on civilian casualty matters (sec. 936)*

The Senate amendment contained a provision (sec. 932) that would require the Under Secretary of Defense for Policy to designate a senior civilian official of the Department of Defense at the level of Assistant Secretary of Defense or above to develop, coordinate, and oversee compliance with the policy of the Department relating to civilian casualties resulting from U.S. military operations. Additionally, the provision would require the senior civilian official so designated to submit to the congressional defense committees a report that describes the policies developed under this section and the efforts of the Department to implement those policies.

The House bill contained no similar provision.

The House recesses with a clarifying amendment.

*Additional matters in connection with background and security investigations for Department of Defense personnel (sec. 937)*

The Senate amendment contained a provision (sec. 933) that would require the Secretary of Defense to report on the number of denials or revocations of a security clearance that occurred separately from a periodic reinvestigation.

The House bill contained no similar provision.

The House recesses with a technical amendment.

The conferees note the importance of communicating adjudication decisions from personnel security investigations in a transparent manner to ensure public trust.

*Research and development to advance capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security (sec. 938)*

The Senate amendment contained a provision (sec. 942) that would direct the Under Secretary of Defense for Intelligence to conduct research and development efforts on continuous evaluation and personnel security.

The House bill contained no similar provision.

The House recesses.

## **SUBTITLE E—OTHER MATTERS**

*Trusted information provider program for national security positions and positions of trust (sec. 941)*

The Senate amendment contained a provision (sec. 935) that would require the Director of National Intelligence to establish a program to share information between and among government agencies and industry partners regarding individuals applying for and in positions of trust.

The House bill contained no similar provision.

The House recedes with an amendment that would include the Suitability Executive Agent and limit the program to enabling government agencies to leverage certain information from industry in order to address privacy concerns.

*Report on expedited processing of security clearances for mission-critical positions (sec. 942)*

The Senate amendment contained a provision (sec. 934) that would require the Director of National Intelligence to establish a program for mission-critical positions to complete the processing of an application for a clearance within a designated timeline.

The House bill contained no similar provision.

The House recedes with an amendment that would replace the program with a report on the feasibility and advisability of programs for expedited processing of security clearances for mission-critical positions, including existing barriers to such programs.

*Report on clearance in person concept (sec. 943)*

The Senate amendment contained a provision (sec. 936) that would require the Director of National Intelligence to provide a report on the requirements, feasibility, and advisability of implementing a "clearance in person" concept for maintaining access to classified information.

The House bill contained no similar provision.

The House recedes with a technical amendment.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

*Authority of Secretary of Defense to determine command and control relationships*

The House bill contained a provision (sec. 901) would amend section 113 of title 10, United States Code, to specify that the Secretary of Defense may define command and control relationships within the Department of Defense as necessary to support the Department's objectives and missions.

The Senate amendment contained no similar provision.

The House recesses.

*Powers and duties of the Under Secretary of Defense for Research and Engineering in connection with priority emerging technologies*

The Senate amendment contained a provision (sec. 901) that would grant the Under Secretary of Defense for Research and Engineering the authority to direct the military departments and other elements of the Department of Defense with regard to four priority emerging technologies.

The House bill contained no similar provision.

The Senate recesses.

The conferees note the existing discretion of the Secretary of Defense to delegate authority within the Department of Defense.

*Redesignation and modification of responsibilities of Under Secretary of Defense for Personnel and Readiness*

The Senate amendment contained a provision (sec. 902) that would amend section 136 of title 10, United States Code, to redesignate the Under Secretary of Defense for Personnel and Readiness as the Under Secretary of Defense for Personnel. This provision would also make the Under Secretary of Defense for Personnel the Chief Human Capital Officer for the Department of Defense.

The House bill contained no similar provision.

The Senate recesses.

*Roles of Under Secretary of Defense for Policy and Under Secretary of Defense for Intelligence*

The House bill contained a provision (sec. 904) that would define the roles of Under Secretary of Defense for Policy and the Under Secretary of Defense for Intelligence.

The Senate amendment contained no similar provision.

The House recesses.

*Assistant Secretary of Defense for Strategy, Plans, Assessments, Readiness, and Capabilities*

The Senate amendment contained a provision (sec. 905) that would establish the roles and responsibilities of the Assistant Secretary of Defense for Strategy, Plans, Assessments, Readiness, and Capabilities effective as of February 1, 2019.

The House bill contained no similar provision.

The Senate recesses.

#### *Artificial intelligence and machine learning policy and oversight council*

The House bill contained a provision (sec. 921) that would direct the Under Secretary of Research and Engineering to establish an Artificial Intelligence and Machine Learning Policy and Oversight Council to continuously improve research, innovation, policy, joint processes, and procedures that facilitate the development, acquisition, integration, advancement, and sustainment of artificial intelligence and machine learning throughout the Department of Defense.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note the inclusion elsewhere in this Act of provisions focusing on artificial intelligence progress and governance within the Department of Defense.

#### *Redesignation of the Department of the Navy as the Department of the Navy and Marine Corps*

The House bill contained a provision (sec. 931) that would redesignate the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recesses.

#### *Conforming amendments to title 10, United States Code*

The House bill contained a provision (sec. 932) that would make conforming amendments to title 10, United States Code, consistent with redesignating the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recesses.

#### *Other provisions of law and other references*

The House bill contained a provision (sec. 933) that would amend other references in the United States Code consistent with

the redesignation of the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Effective date*

The House bill contained a provision (sec. 934) that would make certain House provisions effective on the first day of the first month beginning more than 60 days after the date of enactment of this Act.

The Senate amendment contained no similar provision.  
The House recesses.

## **TITLE X—GENERAL PROVISIONS**

### **SUBTITLE A—FINANCIAL MATTERS**

#### *General transfer authority (sec. 1001)*

The House bill contained a provision (sec. 1001) that would allow the Secretary of Defense, with certain limitations, to make transfers between amounts authorized for fiscal year 2019 in division A of this Act. This section would limit the total amount transferred under this authority to \$5.0 billion. This section would also require prompt notification to Congress of each transfer made.

The Senate amendment contained a similar provision (sec. 1001) that would allow the Secretary of Defense to transfer up to \$4.5 billion of fiscal year 2019 funds authorized in division A of this Act to unforeseen higher priority needs in accordance with normal reprogramming procedures.

The House recesses.

#### *Expertise in audit remediation (sec. 1002)*

The House bill contained a provision (sec. 1002) that would amend section 252(b)(2) of chapter 9A of title 10, United States Code, directing the Secretary of Defense to report the number of professionals performing auditing and audit remediation services who hold certain qualifications.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would amend the reporting requirement and add technical corrections to Chapter 9A of title 10, United States Code.

*Authority to transfer funds to Director of National Intelligence for CAPNET (sec. 1003)*

The House bill contained a provision (sec. 1003) that would authorize the Secretary of Defense to transfer an amount that does not exceed \$2.0 million to the Director of National Intelligence to provide support for the operation of the CAPNET network.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Audit of financial systems of the Department of Defense (sec. 1004)*

The House bill contained a provision (sec. 1004) that would direct the Secretary of Defense to ensure new or altered financial systems meet applicable Federal requirements through a review performed by an independent public accountant.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would specify that the review be completed by professional accountants reporting independently on their findings.

*Report on auditable financial statements (sec. 1005)*

The House bill contained a provision (sec. 1005) that would require the Secretary of Defense to submit a report ranking all military departments and Defense Agencies in order of how advanced they are in achieving auditable financial statements as required by law.

The Senate amendment contained a similar provision (sec. 1004) that would reinstate a reporting requirement that the Under Secretary of Defense (Comptroller) rank the military departments, Defense Agencies, and Field Activities in terms of audit progress.

The Senate recesses with an amendment that would extend the reporting deadline to 90 days.

*Transparency of accounting firms used to support Department of Defense audit (sec. 1006)*

The Senate amendment contained a provision (sec. 1005) that would require the Secretary of Defense to mandate that any firm under contract or consideration to support the Department of Defense's full financial statement audit provide a statement documenting any relevant disciplinary proceedings currently in progress involving that firm.

The House bill contained no similar provision.

The House recedes with an amendment that would specify triggering events for these statements, amend the starting date for this authorization, and specify that it applies to audit and audit remediation services.

## **SUBTITLE B—NAVAL VESSELS AND SHIPYARDS**

*Inclusion of operation and sustainment costs in annual naval vessel construction plans (sec. 1011)*

The House bill contained a provision (sec. 1021) that would incorporate operations and sustainment costs into the 30-year shipbuilding plan required by section 231 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

*Purchase of vessels using funds in National Defense Sealift Fund (sec. 1012)*

The House bill contained a provision (sec. 1022) that would expand section 2218 of title 10, United States Code, and authorizes the Secretary of the Navy to procure up to 10 foreign-constructed ships if the Secretary certifies that the U.S. Navy has initiated an acquisition strategy for the construction of 10 new sealift vessels. Additionally, this section would limit 25 percent of the U.S. Navy Military Sealift Command's fiscal year 2019 expenditures until the Secretary of the Navy enters into a contract for the procurement of two used National Defense Reserve Fleet vessels, and completes the capability development document for the common hull multi-mission platform.

The Senate amendment contained a similar provision (sec. 1016) that would authorize the purchase of up to seven foreign-constructed vessels.

The Senate recedes with an amendment that would expand section 2218 of title 10, United States Code, and authorize the Secretary of the Navy to procure up to seven foreign-constructed vessels. In order to procure more than two such vessels, the Secretary would need to certify that the U.S. Navy has initiated an acquisition strategy for the construction of no fewer than 10 new sealift vessels, with the lead ship anticipated to be delivered by not later than 2026.

*Purchase of vessels built in foreign shipyards with funds in National Defense Sealift Fund (sec. 1013)*

The House bill contained a provision (sec. 1023) that would modify section 2218 of title 10, United States Code, and require a 30-day notice to the congressional defense committees before entering into a contract for a used vessel authorized for procurement by section 2218 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recesses.

*Date of listing of vessels as battle force ships in the Naval Vessel Register and other fleet inventory measures (sec. 1014)*

The Senate amendment contained a provision (sec. 1011) that would clarify the date of listing of vessels as battle force ships in the Naval Vessel Register and other fleet inventory measures.

The House bill contained no similar provision.

The House recesses.

*Technical corrections and clarifications to chapter 633 of title 10, United States Code, and other provisions of law regarding naval vessels (sec. 1015)*

The House bill contained a provision (sec. 1024) that would update chapter 633 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would amend section 7303 of title 10, United States Code; repeal section 7295 of title 10, United States Code; and repeal eight other provisions of law.

*Dismantlement and disposal of nuclear-powered aircraft carriers (sec. 1016)*

The Senate amendment contained a provision (sec. 1015) that would require a report be submitted to the congressional defense committees prior to awarding a contract for dismantlement and disposal of a nuclear-powered aircraft carrier or providing funding to a naval shipyard for such purpose. This report would require an independent cost estimate performed by the Office of the Secretary of Defense's Cost Assessment and Program Evaluation office. The provision would also require additional information be provided on the dismantlement and disposal of nuclear-powered aircraft carriers with the materials

submitted to the Congress by the Secretary of Defense in support of the budget of the President for each fiscal year.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the requirement for independent cost estimates performed by the Office of the Secretary of Defense's Cost Assessment and Program Evaluation office.

*Limitation on use of funds for retirement of hospital ships (sec. 1017)*

The House bill contained a provision (sec. 1025) that would require the Secretary of the Navy to retain two *Mercy*-class hospital ships until the Secretary has certified to the congressional defense committees that a replacement capability has been fielded.

The Senate amendment contained a similar provision (sec. 1017).

The House recedes.

*Inclusion of aircraft carrier refueling overhaul budget request in annual budget justification materials (sec. 1018)*

The Senate amendment contained a provision (sec. 1014) that would require a specific authorization by statute before funds may be obligated or expended for the procurement of a naval nuclear reactor power unit or associated reactor components for the nuclear refueling of an aircraft carrier.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to include, as part of the budget request for Shipbuilding and Conversion, Navy, a detailed aircraft carrier refueling overhaul request, by hull number, including all funding requested for reactor power units and reactor components.

The conferees intent is the procurement of nuclear reactor power units and associated reactor components necessary for the nuclear refueling of each aircraft carrier be requested in the Shipbuilding and Conversion, Navy account, instead of the Other Procurement, Navy account.

*Business case analysis of Ready Reserve Force recapitalization options (sec. 1019)*

The Senate amendment contained a provision (sec. 6001) that would require a business case analysis of Ready Reserve Force recapitalization options.

The House bill contained no similar provision.

The House recesses with an amendment that would add a foreign-designed, U.S.-built category of vessels to the business case analysis.

*Transfer of excess naval vessel to Bahrain (sec. 1020)*

The Senate amendment contained a provision (sec. 6002) that would authorize the President to transfer the ex-U.S.S. *Robert G. Bradley* (FFG-49), a guided missile frigate, to the Government of Bahrain.

The House bill contained no similar provision.

The House recesses.

## **SUBTITLE C—COUNTERTERRORISM**

*Definition of sensitive military operation (sec. 1031)*

The House bill contained a provision (sec. 1031) that would modify section 130f of title 10, United States Code, regarding notification requirements for sensitive military operations.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would modify section 130f of title 10, United States Code regarding the notification requirements for sensitive military operations, including when a partner force has been designated for the provision of collective self-defense. The amendment would also require not later than 30 days after the date of the enactment of this Act the Secretary of Defense to submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes a list of any instance in which a member of the Armed Forces has engaged or been engaged by enemy forces, used self-defense, or provided collective self-defense of foreign partner forces in a country other than Afghanistan, Iraq, or Syria since December 26, 2013 and a list of all foreign partner forces outside of Afghanistan, Iraq, and Syria for which the Armed Forces are authorized to provide collective self-defense.

*Extension of prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba (sec. 1032)*

The Senate amendment contained a provision (sec. 1024) that would extend through fiscal year 2019, the prohibition on

the use of funds to close or abandon United States Naval Station, Guantanamo Bay, Cuba, to relinquish control of Guantanamo Bay to the Republic of Cuba, or to implement a material modification to the Treaty between the United States of America and Cuba signed at Washington, D.C. on May 29, 1934, that constructively closes United States Naval Station, Guantanamo Bay.

The House amendment contained no similar provision.

The House recesses.

*Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States (sec. 1033)*

The House bill contained a provision (sec. 1032) that would prohibit the use of any amounts authorized to be appropriated or otherwise made available for the Department of Defense to be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to transfer or release detainees at U.S. Naval Station, Guantanamo Bay, Cuba, to or within the United States, its territories, or possessions.

The Senate amendment contained a similar provision (sec. 1021).

The Senate recesses.

*Prohibition on use of funds to construct or modify facilities in the United States to house detainees transferred from United States Naval Station, Guantanamo Bay, Cuba (sec. 1034)*

The House bill contained a provision (sec. 1033) that would prohibit the use of any amounts authorized to be appropriated or otherwise made available for the Department of Defense to be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to construct or modify any facility in the United States, its territories, or possessions to house any detainee transferred from United States Naval Station, Guantanamo Bay, Cuba, for the purposes of detention or imprisonment in the custody or under the effective control of the Department of Defense.

The Senate amendment contained a similar provision (sec. 1022).

The Senate recesses.

*Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to certain countries (sec. 1035)*

The House bill contained a provision (sec. 1034) that would prohibit the use of any amounts authorized to be appropriated or otherwise made available for the Department of Defense to be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to transfer, release, or assist in the transfer or release of any individual detained at U.S. Naval Station, Guantanamo Bay, Cuba, to Libya, the Federal Republic of Somalia, the Syrian Arab Republic, or the Republic of Yemen.

The Senate amendment contained a similar provision (sec. 1023).

The Senate recesses.

## **SUBTITLE D—MISCELLANEOUS AUTHORITIES AND LIMITATIONS**

*Strategic guidance documents within the Department of Defense (sec. 1041)*

The Senate amendment contained a provision (sec. 1031) that would amend section 113(g) of title 10, United States Code, to identify and clarify three strategic guidance documents that support and implement the National Defense Strategy (NDS). Each document would be expected to meet specific elements as outlined in this provision. In addition, it would require the Secretary of Defense to submit these strategic documents to the congressional defense committees.

The House bill contained no similar provision.

The House recesses with an amendment that would remove the requirement for the Secretary of Defense to provide an annual report or briefing on the Contingency Planning Guidance (CPG)/Guidance for Employment of the Force (GEF). The amendment would also require the Secretary to provide a comprehensive briefing to the congressional defense committees on the Defense Planning Guidance (DPG).

*Notification on the provision of defense sensitive support (sec. 1042)*

The House bill contained a provision (sec. 1041) that would modify the current Defense Sensitive Support congressional notification procedures, to include a Secretary of Defense determination that the requesting Federal department has reasonably attempted to satisfy the requirement using internal resources, and that the Department of Defense is the most appropriate Federal agency or department to satisfy the request

for support. This section would also add a congressional notification requirement for Department of Defense requests for Reverse Defense Sensitive Support from other Federal departments or agencies.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

*Coordinating United States response to malign foreign influence operations and campaigns (sec. 1043)*

The House bill contained a provision (sec. 1042) that would amend section 101 of the National Security Act of 1947(50 U.S.C. 3021) to explicitly task the National Security Council (NSC) to coordinate the full U.S. Government response to malign foreign influence operations and campaigns, particularly those that are cyber-enabled. This section would define "malign foreign influence operations and campaigns," and would require the President to task an NSC official with combating it, and further requires the President to submit a report to the designated congressional committees not later than 9 months after the date of the enactment of this Act on the whole-of-government strategy for combating malign foreign influence operations.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

*Clarification of reimbursable allowed costs of FAA memoranda of agreement (sec. 1044)*

The House bill contained a provision (sec. 1095) that would amend section 47504(c)(2) of title 49, United States Code by clarifying the definition of reimbursable allowed costs of Federal Aviation Administration memoranda of agreement.

The Senate amendment contained no similar provision.

The Senate recedes.

*Workforce issues for military realignments in the Pacific (sec. 1045)*

The House bill contained a provision (sec. 1043) that would amend section 1806 of title 48, United States Code, to allow the continued employment of temporary workers on Guam engaged in the military realignment to Guam or to perform service as a health care worker. This section would also exempt returning workers from the cap on such workers in the event of a single departure and return to Guam.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike the returning worker portions of the provision.

*Mitigation of operational risks posed to certain military aircraft by automatic dependent surveillance-broadcast equipment (sec. 1046)*

The House bill contained a provision (sec. 1044) that would enable the Secretary of Defense to mitigate the operational risk posed to certain military aircraft by the Federal Aviation Administration next-generation airspace control mandate that takes effect on January 1, 2020.

The Senate amendment contained no similar provision.  
The Senate recedes.

*Limitation on availability of funds for unmanned surface vehicles (sec. 1047)*

The House bill contained a provision (sec. 1045) that would limit the availability of funds until the Under Secretary of Defense for Research and Engineering submits a certification to the congressional defense committees on the ghost fleet overlord unmanned surface vehicle program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the certification requirement to change the contracting officer and only limit 50 percent of funds made available for the ghost fleet overlord unmanned surface vehicle program until the certification is submitted.

*Pilot program for Department of Defense controlled unclassified information in the hands of industry (sec. 1048)*

The House bill contained a provision (sec. 1046) that would require the Secretary of Defense to establish and implement a foreign ownership, control, or influence program for Department of Defense controlled unclassified information in the hands of industry. The Secretary would be required to act to ensure that prior to any company receiving controlled unclassified information or classified information, or becoming a cleared defense contractor, the company would have to report to the Secretary any foreign direction or controlling interest in the company or any access to intellectual property relating to classified information or controlled unclassified information. The Secretary would also be required to make a determination on the basis of such a company's report whether

the company should receive such information due to a risk to national security and whether such risk can be mitigated.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to establish and implement a pilot program for oversight of designated Department of Defense controlled unclassified information in the hands of defense contractors with foreign ownership, control, or influence concerns. The conferees are aware that foreign intelligence services are aggressively targeting defense contractors to obtain both classified and unclassified defense information.

The conferees expect the department to apply appropriate protections to both classified and controlled unclassified information in the hands of industry. The conferees also acknowledge the importance of compliance with sound cyber security regulations by defense contractors and therefore amended the provision to include a pilot program with the Chief of Information Officer.

#### *Critical technologies list (sec. 1049)*

The House bill contained a provision (sec. 1035) that would require the Secretary of Defense to establish and maintain a list of emerging and foundational technologies that are necessary for maintaining the national security technical advantage of the United States.

The Senate amendment contained a similar provision (sec. 239) that would direct the Secretary of Defense to develop a list of militarily critical technologies and manufacturing capabilities.

The Senate recedes with an amendment that would amend the elements of the list and add additional guidance on the use and publication of the list.

#### *Airborne Hazards and Open Burn Pit Registry (sec. 1050)*

The House bill contained a provision (sec. 1048) that would require the Secretary of Defense to educate individuals who may be eligible to enroll in the Airborne Hazards and Open Burn Pit Registry.

The Senate bill contained a similar provision (sec. 6005).  
The Senate recedes.

#### *National Security Commission on Artificial Intelligence (sec. 1051)*

The House bill contained a provision (sec. 1050A) that would require the establishment of an independent Commission to review advances in artificial intelligence and machine learning with national security implications.

The Senate amendment contained no similar provision.

The Senate recesses.

The conferees note the importance of maintaining a technological advantage in artificial intelligence and associated technologies related to national security and defense. While technological developments in these areas are critical, it is also vital to assess the implications of the incorporation of artificial intelligence into future defense applications and the risks associated with foreign adversary advances in military employment of artificial intelligence and machine learning, including international law of armed conflict, humanitarian law, ethical guidelines, and escalation dynamics.

*Authority to transfer funds for Bien Hoa dioxin cleanup (sec. 1052)*

The Senate amendment contained a provision (sec. 1061) that would authorize the Secretary of Defense to transfer funds to the Secretary of State for the Bien Hoa dioxin cleanup in Vietnam. The provision would authorize not more than \$15,000,000 may be transferred in each fiscal years 2019 through 2027.

The House contained no similar provision.

The House recesses with an amendment that would authorize not more than \$15,000,000 of funds for fiscal year 2019.

*Guidance on the electronic warfare mission area and joint electromagnetic spectrum operations (sec. 1053)*

The House bill contained a provision (sec. 1058) that would require the Secretary of Defense, in consultation with the Chairman of the Joint Chiefs of Staff (CJCS), to develop an implementation plan to conduct joint campaign modeling and wargaming for joint electromagnetic spectrum operations (JEMSO) of the Department of Defense (DOD), and to submit that plan in the form of a report. It would also require a briefing on essential topics and functions of the Department's JEMSO enterprise.

The Senate amendment contained a similar provision (sec. 1032) that would establish a senior designated official and an associated cross-functional team to update DOD's June 2017 Electronic Warfare strategy and submit it, along with a road map of the referenced requirements and plans. The road map would include: (1) The efforts undertaken in support of the 2017 DOD

Electronic Warfare strategy and any updates or changes to the strategy since its issuance; (2) A review of the vulnerabilities identified in the May 2015 Electronic Warfare assessment; (3) An assessment of the capability of the joint force to conduct joint electromagnetic spectrum operations against peer competitors; and (4) A description of actions, performance metrics, projected timelines for achieving key capabilities for electronic warfare and joint electromagnetic spectrum operations.

The House recesses with an amendment that would modify the roles and responsibilities of the senior designated official. It would also update the reporting requirements to include an assessment of the electronic warfare capabilities of Russia and China, a review of U.S. vulnerabilities with respect to electronic systems, and a study of the manner in which Russia and China develop electronic warfare doctrine. The amendment would also strengthen the capacity of the senior designated official and the Electronic Warfare Executive Committee to propose governance, management, organizational, and operational reforms to the Secretary of Defense.

The conferees note the operational advantages provided by electronic warfare and cyber capabilities and expects the Department to dedicate additional resources to the problem set. The conferees remain concerned that electronic and cyber warfare are two warfighting areas where our peer adversaries, such as China and Russia, are establishing significant asymmetric advantages and the conferees urge swift action by the Department's leadership to regain United States superiority in these warfighting areas.

The conferees direct the Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff, to provide the congressional defense committees a briefing not later than February 25, 2019, on: (1) An update on the progress of the Department in implementing the pilot program authorized by section 234 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 10 U.S.C. 113 note); (2) The progress of the Department in establishing a network to connect an electromagnetic battle management system to multiple sensor and intelligence data feeds to implement electronic warfare battle management for networked electronic warfare and dynamic reprogramming with automated near real-time capabilities, and (3) The number of personnel assigned to joint electromagnetic spectrum operations mission activities. The personnel information should include officers, enlisted members, and civilian personnel, set forth separately by career field designator and rank for each military service, combatant command, and defense agency. It should also include a comparison of commissioned officer promotion rates, by grade, as compared

to the average promotion rates for commissioned officers, by grade, in each military service, over the five most recent promotion cycles that have been completed since the end of fiscal year 2018.

## **SUBTITLE E—STUDIES AND REPORTS**

*Annual reports by the Armed Forces on Out-Year Unconstrained Total Munitions Requirements and Out-Year inventory numbers (sec. 1061)*

The Senate amendment contained a provision (sec. 1042) that would amend title 10 to require the Services provide an annual report to the Congress detailing the Armed Forces' annual total munitions requirements and out-year munitions inventory numbers. The details of the report would be based on the Department of Defense's munitions requirements process.

The House bill contained no similar provision.

The House recesses.

*Improvement of annual report on civilian casualties in connection with United States military operations (sec. 1062)*

The House bill contained a provision (sec. 1051) that would amend section 1057(b)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to include an annual reporting requirement on civilian casualties in connection with U.S. military operations.

The Senate amendment contained a similar provision (sec. 1046) that would amend section 1057 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to clarify annual reporting requirements on civilian casualties in connection with United States military operations.

The House recesses.

*Report on capabilities and capacities of Armored Brigade Combat Teams (sec. 1063)*

The Senate amendment contained a provision (sec. 1045) that would require the Secretary of the Army to submit a report on the capabilities and capacities of Armored Brigade Combat Teams.

The House bill contained no similar provision.

The House recesses.

*Activities and reporting related to Department of Defense's  
Cloud Initiative (sec. 1064)*

The House bill contained a provision that would prohibit certain funds authorized to be appropriated by this Act from being obligated or expended for the Joint Enterprise Defense Infrastructure until the Secretary of Defense provides a report to the congressional defense committees on the Joint Enterprise Defense Infrastructure.

The Senate amendment contained a provision that would direct the Cloud Executive Steering Group to execute certain activities enabling the Joint Enterprise Defense Infrastructure such as securing networks and conducting workload migration analysis. The Senate amendment also contained a limitation on new system and application approvals unless an assessment that such system is, can, or would be cloud-hosted. Additionally, the Senate amendment contained a provision providing for transparency and competition.

The Senate recedes with an amendment that lowers the prohibition on certain funds, provides for a waiver on the new system and application approval, and directs the Chief Information Officer of the Department of Defense (DOD), acting through the Cloud Executive Steering Group, to conduct certain activities enabling DOD's cloud initiatives.

The conferees have long championed modernization of information technology throughout DOD agencies, services, and other entities to facilitate efficiencies, cost-savings, enhance performance, and to provide our warfighters with cutting-edge capabilities on and off the battlefield. The conferees emphasize the importance of modernizing networks by adopting advancing commercial capabilities to achieve DOD's cloud transition and enterprise efficiency goals. Further, the conferees believe that workload analysis is critical to understanding migration feasibility and costs. Especially where barriers stem from technical, intellectual property, and data rights issues that are poorly understood, such barriers may fundamentally limit the potential utility of commercial cloud services to the Department.

The conferees encourage the Department to continue to ensure that cloud technologies are technically suitable, appropriately tested for security and reliability, and integrated with other DOD information technology efforts so as to optimize effective and efficient procurement of such technologies and services and their performance in support of DOD missions.

Finally, the conferees note that although transparency and information sharing by the Department on the Cloud Initiative

has slightly improved, it continues to be insufficient for conducting congressional oversight. The conferees expect the Department to improve communication with Congress on this issue and will consider additional legislation if an improvement is not seen.

*Limitation on use of funds for United States Special Operations Command Global Messaging and Counter-Messaging platform (sec. 1065)*

The House bill contained a provision (sec. 1054) that would limit the availability of funds authorized to be appropriated by this Act, or otherwise made available for fiscal year 2019, until the Secretary of Defense provides a report to the congressional defense committees on the United States Special Operations Command (SOCOM) Global Messaging and Counter-Messaging (GMCM) platform.

The Senate amendment contained a provision (sec. 1033) that would prohibit the use of any funds authorized to be appropriated by this Act for the SOCOM GMCM platform until the Secretary of Defense submits to the congressional defense committees a report containing detailed information relating to the platform and SOCOM's military information support enterprise.

The House recedes with an amendment that would prohibit the use of any funds authorized to be appropriated by this Act for SOCOM's GMCM platform until the Secretary of Defense submits to the congressional defense committees a report containing detailed information relating to the platform. The conferees understand that the Secretary of Defense identified SOCOM as the Department of Defense's (DOD) proponent for military information support operations (MISO) and directed the establishment of a centralized GMCM platform at SOCOM. Given SOCOM's transregional approach to matters within its purview, the conferees believe the command is positioned to play an important role in supporting the GMCM activities of the other combatant commands by enabling facilities and contracting efficiencies, the capture and adoption of best practices, and messaging consistency across geographic boundaries. However, the budget request lacks sufficient detail on the plan for establishment of the GMCM capability, including the identification of budget, infrastructure and equipment requirements for the platform to reach full operational capability as well as an identification of long-term sustainment costs. Additionally, the conferees require greater understanding of how GMCM planning and activities will be de-conflicted and, where possible, integrated with the planning and activities of the combatant commands as

well as other relevant departments and agencies of the United States Government, including the Department of State's Global Engagement Center.

The amendment would also require the Secretary of Defense not later than 9 months after the date of the enactment of this Act to submit to the congressional defense committees a report containing a review and assessment of the doctrine, organization, training, materiel, leadership and education, personnel, and facilities applicable to military information support personnel and recommend changes for enhancing the ability of military information support personnel to operate effectively in the current and future information environment.

*Comprehensive review of professionalism and ethics programs for special operations forces (sec. 1066)*

The House bill contained a provision (sec. 1055) that would direct the Secretary of Defense, in coordination with the Secretaries of the military departments, to conduct a comprehensive review of the ethics and professionalism programs of the U.S. Special Operations Command (SOCOM) and the military departments for officers and other military personnel serving in special operations forces. This section would require the Secretary of Defense to submit the review to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to conduct a comprehensive review of the ethics programs and professionalism programs of SOCOM and of the military departments for officers and other military personnel serving in special operations forces and submit the review to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019.

*Munitions assessments and future-years defense program requirements (sec. 1067)*

The House bill contained a provision (sec. 1056) that would require the Under Secretary of Defense for Acquisition and Sustainment to provide all relevant documents related to the Department of Defense's munitions requirements process, as well as provide the planned funding and munitions requirements required for fiscal year 2020 and across the Future Years Defense Program for munitions across all military services and the Missile Defense Agency. This section would also require the Under Secretary to evaluate and identify supply chain risks,

including qualified supplier shortages or single source supplier vulnerabilities for munitions production.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on establishment of Army Futures Command (sec. 1068)*

The House bill contained a provision (sec. 1057) that would require the Secretary of the Army to submit a report on the Army's plan for the establishment of Army Futures Command.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on cyber-enabled information operations (sec. 1069)*

The House bill contained a provision (sec. 1061) that would require the President to provide to the Committees on Armed Services and Foreign Affairs of the House of Representatives and the Committees on Armed Services and Foreign Relations of the Senate a report, not later than 180 days after the date of the enactment of this Act, on the effects of cyber-enabled information operations on the national security of the United States.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on unmanned aircraft in Arlington National Cemetery (sec. 1070)*

The House bill contained a provision (sec. 1062) that states a sense of Congress that the Administrator of the Federal Aviation Administration (FAA) and the Secretary of Defense should coordinate to: (1) Prevent the flight of unmanned aircraft over Arlington National Cemetery, to the maximum amount practical, in order to preserve the sacred atmosphere of the cemetery as a national shrine; and (2) Restrict all flights of unmanned aircraft over Arlington National Cemetery during the execution of funeral services, except in emergency situations, the execution of national security operations, and unmanned aircraft flown at the request of the family participating in funeral services. The provision would require a briefing from the Secretary and the FAA Administrator not later than 60 days after the date of the enactment of this Act, to the Committees on Armed Services, Transportation and Infrastructure, and Veterans' Affairs of the House of Representatives and the Committees on Armed Services, Commerce, Science, and

Transportation, and Veterans' Affairs of the Senate on whether legislative action is required to prevent low flying unmanned aircraft from disrupting funerals at Arlington National Cemetery.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require the Secretary of Defense and the FAA Administrator to submit a letter report to the same committees not later than 90 days after the date of the enactment of this Act.

The conferees encourage the Secretary of Defense and the FAA Administrator to coordinate on the prevention of unauthorized flights of unmanned aircraft over Arlington National Cemetery to preserve the sanctity of the cemetery as a national shrine.

*Report on an updated Arctic strategy (sec. 1071)*

The House bill contained a provision (sec. 1063) that would require the Secretary of Defense to submit not later than June 1, 2019 to the congressional defense committees a report on an updated Arctic strategy to improve and enhance joint operations, with additional reporting on Russian and Chinese activity in the Arctic region.

The Senate amendment contained a similar provision (sec. 1253) that would require the service secretaries to submit to the congressional defense committees a report on the strategy of the Army, the Navy, the Marine Corps, and the Air Force, respectively, for the Arctic region.

The Senate recesses with an amendment that would require the report to include a description of the United States national security interests in the Arctic region, an assessment of the threats and security challenges posed by adversaries in the region, and a description of the level of cooperation between the Department of Defense and other relevant departments, agencies, and State, local, and Tribal entities related to the defense of the region.

*Report on use and availability of military installations for disaster response (sec. 1072)*

The House bill contained a provision (sec. 1093) that would require the Secretary of Defense to conduct a report on the use and availability of military installations for disaster response.

The Senate amendment contained no similar provision.

The Senate recesses.

*Report on Department of Defense participation in Export Administration Regulations license application review process (sec. 1073)*

The Senate amendment contained a provision (sec. 1047) that would require the Under Secretary of Defense for Policy to submit to the congressional defense committees a report on the participation by the Department of Defense in the process for reviewing applications for export licenses under the Export Administration Regulations as a reviewing agency under Executive Order 12981. The provision would require that the report be submitted to the congressional defense committees not later than 180 days after the enactment of this Act and every 180 days thereafter until the date that is 3 years after such date of enactment.

The House bill contained no similar provision.

The House recedes with an amendment that would add the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House as recipients of the report.

*Military aviation readiness review in support of the National Defense Strategy (sec. 1074)*

The Senate amendment contained a provision (sec. 1044) that would require the Secretary of Defense to establish a joint review of military aviation and deliver an accompanying report to the Committees on Armed Services of the Senate and the House of Representatives. The Senate bill also contained a provision (sec. 6003) that would make a technical correction to sec. 1044.

The House bill contained no similar provision.

The House recedes with an amendment that would incorporate the technical correction into the underlying provision.

*Report on highest-priority roles and missions of the Department of Defense and the Armed Forces (sec. 1075)*

The Senate amendment contained a provision (sec. 1041) that would require the Secretary of Defense to provide a report to the congressional defense committees concerning a re-evaluation of the highest priority missions for the Department of Defense, the roles of the Joint Force in the performance of such missions, and the capability requirements which stem from them. The required report, due February 2019, includes a series of questions further inquiring about the specific impacts of the National Defense Strategy on the Department of Defense.

The House bill contained no similar provision.

The House recesses with an amendment that would modify the questions of the report requirement to re-evaluate the roles and missions of the Joint Force. Furthermore, the amendment would require the report be submitted by March 31, 2019.

The conferees note that a new National Defense Strategy was released in 2018 prioritizing the development of a more lethal joint force that is ready to deter and, if necessary, defeat aggression by great power competitors with advanced military capabilities. The conferees realize that the Department has begun implementing the National Defense Strategy, however, the strategy, and its implications for the size, structure, shape, mission, and employment of the joint force, were not completed in time to fully inform the President's fiscal year 2019 budget request. As the Department continues to implement changes from the National Defense Strategy, the conferees recommend the Department conduct further analytical work in order to facilitate the implementation of the strategy.

## **SUBTITLE F—OTHER MATTERS**

### *Technical, conforming, and clerical amendments (sec. 1081)*

The House bill contained a provision (sec. 1071) that would make a number of technical, conforming, and clerical amendments of a non-substantive nature to existing law.

The Senate amendment contained no similar provision.

The Senate recesses with a technical amendment.

### *Principal Advisor on Countering Weapons of Mass Destruction (sec. 1082)*

The House bill contained a provision (sec. 1072) that would direct the Secretary of Defense to designate, from among the personnel of the Office of the Secretary of Defense, a Principal Advisor on Countering Weapons of Mass Destruction (CWMD). Such individual would act as the Principal Advisor to the Secretary on the activities of the Department of Defense relating to countering weapons of mass destruction. Furthermore, this provision would require a plan for realigning or restructuring the current CWMD oversight framework of the Office of the Secretary of Defense.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would change the directive to designate a Principal Advisor on CWMD to a permissive recommendation to create such a position. The amendment would also require a plan 180 days after the date of enactment to streamline oversight of countering weapons of mass

destruction within the Office of the Secretary of Defense. The amendment requires the Secretary to issue a directive not later than 90 days after the oversight plan is issued for the Countering Weapon of Mass Destruction (WMD) - Unity of Effort Council to implement the plan within the Department. Finally, concurrent with the annual budget submission by the Department, through fiscal year 2024, the Secretary shall submit a concise budget summary provided by the Comptroller for all countering WMD activities of the Department, including, a list of actions taken to promote the unity of effort for countering WMD, a list of topics the Countering WMD - Unity of Effort Council has considered and their resolution, a list of current and future WMD threats and a plan consistent with the future years defense program to counter those threats.

*Modification of authority to transfer aircraft to other departments for wildfire suppression purposes (sec. 1083)*

The House bill contained a provision (sec. 1075) that would amend section 1098 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113-66) to relieve the Air Force from the mandate to modify United States Coast Guard (USCG) HC-130H aircraft with firefighting capabilities for use by the United States Forest Service (USFS).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would maintain the mandate for the Air Force to modify the USCG HC-130H aircraft, but designate the state of California as the ultimate recipient of the aircraft, vice the USFS.

*Improvement of database on emergency response capabilities (sec. 1084)*

The Senate bill contained a provision (sec. 1062) that would amend section 1406 of the National Defense Authorization Act for Fiscal Year 2007 (Public Law 109-364) to require the Department of Defense (DOD) to establish the database required under that section not later than one year after the date of enactment of this Act. Furthermore, the provision would require the database to include information on the emergency response capabilities of the National Guard of each U.S. Territory and information on the cyber capabilities of National Guard and Reserve units identified by DOD as critical for response to domestic natural or man-made disasters. Finally, the provision would clarify that the Department may use an existing database or system to fulfill the requirement to establish a database under certain circumstances.

The House bill contained no similar provision.  
The House recesses with a technical, clarifying amendment.

*Disclosure requirements for United States-based foreign media outlets (sec. 1085)*

The House bill contained a provision (sec. 1096) that would add section 722 to title 47, United States Code, to mandate disclosure requirements for United States-based foreign media outlets. The provision would also require a report from United States-based foreign media outlets to the Federal Communications Commission not later than 60 days after the enactment of this Act and not less than every 6 months thereafter. The Commission would also submit a report to Congress not later than 90 days after the enactment of this Act and not less than every 6 months thereafter on their findings and ensure the findings are available for public consumption.

The Senate amendment contained no similar provision.  
The Senate recesses.

The conferees recognize the need for greater transparency of foreign government owned media outlets. Foreign governments, namely Russia and China, use government media to disseminate disinformation to sway public opinion and impact our political processes. The conferees direct such outlets disclose their foreign government ownership to Congress and the American people to ensure there is greater visibility of the role of foreign governments in our media landscape. The conferees note this provision is intended to apply only to foreign-based media companies who act as an agent of or at the order, request, or under the direct control of a government of a foreign country or foreign political party.

*United States policy with respect to freedom of navigation and overflight (sec. 1086)*

The Senate amendment contained a provision (sec. 1064) that would state that it is the policy of the United States to fly, sail, and operate throughout the oceans, seas, and airspace of the world wherever international law allows. The provisions would also set forth certain steps the Secretary of Defense should take in the implementation of such policy.

The House bill contained no similar provision.

The House recesses with an amendment that would clarify that the United States, in furtherance of its policy with respect to freedom of navigation and overflight, should execute routine and regular air and maritime freedom of navigation operations throughout the year in accordance with international

law, including, but not limited to, maneuvers beyond innocent passage.

*National Commission on Military Aviation Safety (sec. 1087)*

The House bill contained a provision (sec. 1078) that would establish a National Commission on Military Aviation Safety.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would provide further details on the establishment and operations of the commission.

The conferees believe the Secretary of Defense should take all appropriate actions to increase aircraft maintenance availability and pilot training and proficiency to ensure the highest levels of flight safety.

*Sense of Congress regarding the international borders of the United States (sec. 1088)*

The House bill contained a provision (sec. 1084) that would express the sense of Congress on the importance of gaining and maintaining control of the international borders of the United States, the role and importance of devoting adequate resources for the Department of Homeland Security to accomplish that mission, and the role and importance of adequate resources for the Department of Defense to support that mission while maintaining combat readiness.

The Senate amendment contained no similar provision.

The Senate recedes.

*Policy on response to juvenile-on-juvenile problematic sexual behavior committed on military installations (sec. 1089)*

The Senate amendment contained a provision (sec. 1036) that would require the Secretary of Defense to establish a policy, applicable across the military installations of the Department of Defense, on the response of the Department to allegations of juvenile-on-juvenile abuse on military installations.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to establish a policy, applicable across the military installations of the Department of Defense, on the response of the Department to allegations of juvenile-on-juvenile problematic sexual behavior on military installations.

*Recognition of America's veterans (sec. 1090)*

The House bill contained a provision (sec. 1077) that would authorize the Secretary of Defense to provide support as the Secretary determines to be appropriate for a parade to be carried out in the District of Columbia. The Secretary would be permitted to expend funds for the display of small arms and munitions appropriate for customary ceremonial honors and for the participation of military units that perform customary ceremonial duties. The provision would prohibit the expenditure of funds to provide certain vehicles, platforms, munitions, and operational units if the Secretary determines doing so would undermine military readiness.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Prohibition of funds for Chinese language instruction provided by a Confucius Institute (sec. 1091)*

The Senate amendment contained a provision (sec. 1065) that would that would prohibit funds to be obligated or expended for Chinese language instruction provided by a Confucius Institute. The provision would also prohibit funds to be obligated or expended to support a Chinese language program at an institution of higher education that hosts a Confucius Institute unless the Under Secretary of Defense for Personnel and Readiness provides a certification to the congressional defense committees concerning the relationship of Confucius Institute employees and instructors to the Chinese language program.

The House bill contained no similar provision.

The House recesses with an amendment that would clarify that none of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense under this Act may be obligated or expended for Chinese language instruction provided by a Confucius Institute. The amendment would also impose a limitation on funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense under this Act may be obligated or expended to support a Chinese language program at an institution of higher education that hosts a Confucius Institute. The amendment would allow the Under Secretary of Defense for Personnel and Readiness to waive this limitation if the Under Secretary certifies to the congressional defense committees that (a) Confucius Institute employees and instructors will provide no instruction or educational support to the program; (b) Confucius Institute employees and instructors will have no

authority with regard to the curriculum and activities of the program; and (c) the institution has made available to the Department of Defense all memoranda of understanding, contracts, and other agreements between the institution and the Confucius Institute, or between the institution and any agency of or organization affiliated with the government of the People's Republic of China. The amendment would also clarify that the prohibition and limitation shall not apply to an institution of higher education by reason that the institution funds or sponsors an event or activity, regardless of any affiliation of any individual who participates in the event or activity, and shall not be construed to prohibit funding for other programs, research or other activities at an institution that hosts a Confucius institute.

*Department of Defense engagement with certain nonprofit entities in support of missions of deployed United States personnel around the world (sec. 1092)*

The House bill contained a provision (sec. 1074) that would amend title 36, United States Code, to establish a federal charter for Spirit of America.

The Senate amendment contained a provision (sec. 1063) that would express the sense of the Senate regarding collaboration with and the provision of logistical support to covered non-Federal entities, including Spirit of America and would authorize the Department of Defense (DOD), consistent with applicable guidance, to accept from any covered non-Federal entity privately funded humanitarian, economic, and other nonlethal assistance; and respond to requests from covered non-Federal entities for the identification of the needs of local populations abroad for assistance, and coordinate with such entities in the provision and distribution of such assistance.

The House recedes with an amendment that would express the sense of Congress that United States military commanders should, consistent with applicable laws, regulations, and guidance developed consistent with section 1088 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), engage with and provide logistical support to covered non-Federal entities, including Spirit of America, to advance the military missions of the Armed Forces. The amendment would also require not later than one year after the date of enactment of this Act the Secretary of Defense, with the concurrence of the Secretary of State, to submit to the appropriate congressional committees a report on DOD engagement with covered non-federal entities.

## LEGISLATIVE PROVISIONS NOT ADOPTED

### *Inclusion of funds for Air Force pass-through items in Defense-wide budget for the Department of Defense*

The Senate amendment contained a provision (sec. 1002) that would require the Secretary of Defense to transfer Air Force pass-through budget items to the defense-wide budget for fiscal year 2020 and future budget requests.

The House bill contained no similar provision.

The Senate recesses.

### *Department of Defense support for combating opioid trafficking and abuse*

The House bill contained a provision (sec. 1011) that would express the sense of Congress on the role of the Department of Defense in support of other Federal agencies addressing the opioid epidemic in the United States. The provision would further increase funds authorized to be appropriated to the Department of Defense National Guard counterdrug programs for fiscal year 2019 by \$20.0 million.

The Senate bill contained no similar provision.

The House recesses.

The conferees express strong concern over the growth of the opioid epidemic in the United States over the past 15 years. The number of deaths in the United States related to opioid use in 2016 was 42,269 according to the Centers for Disease Control and Prevention. The conferees note that the Office of National Drug Control Policy is the lead agency for coordinating the Federal response to address the opioid epidemic. The Department of Defense plays a vital supporting role by providing key capabilities such as intelligence analysis, preventative education programs, and assistance to other lead Federal government interagency partners. The conferees encourage continued strong cooperation between the Department of Defense and other Federal partners in identifying transnational criminal organizations and combating the opioid epidemic.

### *Authority to transfer individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States temporarily for emergency or critical medical treatment*

The Senate amendment contained a provision (sec. 1025) that would authorize the temporary transfer of individuals detained at United States Naval Station, Guantanamo Bay, Cuba to

the United States for necessary medical treatment that is not available at Guantanamo.

The House bill contained no similar provision.

The Senate recedes.

*Sense of Congress on the basing of KC-46A aircraft outside the continental United States*

The Senate amendment contained a provision (sec. 1034) that would express the sense of Congress on the basing KC-46A aircraft outside the continental United States.

The House bill contained a similar provision (sec. 1099A).

The Senate and the House recede.

The conferees agree that the Secretary of the Air Force, as part of the strategic basing process for KC-46A aircraft, should continue to consider the benefits derived from locations outside the continental United States that:

(1) Support day-to-day air refueling operations, operations plans of the combatant commands, and flexibility for contingency operations, and have:

(a) a strategic location that is essential to the defense of the United States and its interests;

(b) receivers for boom or probe-and-drogue training opportunities with joint and international partners; and

(c) sufficient airfield and airspace availability and capacity to meet requirements; and

(2) Possess facilities that:

(a) take full advantage of existing infrastructure to provide -

(i) runway, hangars, and aircrew and maintenance operations; and

(ii) sufficient fuels receipt, storage and distribution capacities for a 5-day peacetime operating stock; and

(b) minimize overall construction and operational costs.

*Relinquishment of legislative jurisdiction of criminal offenses on military installations*

The Senate amendment included a provision (sec. 1035) that would, in the case of any military installation or portion of a military installation of which exclusive legislative jurisdiction of criminal offenses committed by juveniles is retained by the United States as of the date of the enactment of this Act, would require the relevant service secretary to seek to relinquish to the State, Commonwealth, territory, or

possession concerned legislative jurisdiction of such offenses such that the United States and the State, Commonwealth, territory, or possession would have concurrent legislative jurisdiction of such offenses.

The House bill included no similar provision.

The Senate recedes.

The conferees are concerned about the lack of State or local criminal jurisdiction over offenses committed on those portions of military installations with exclusive Federal jurisdiction by individuals not subject to the Uniform Code of Military Justice. Therefore, the conferees direct service secretaries to seek to relinquish jurisdiction pursuant to section 2683 of title 10, United States Code, such that the United States and the State, Commonwealth, territory, or possession would have concurrent jurisdiction over offenses committed on these military installations. Not later than 15 months after the date of enactment of this act, each service secretary shall submit a report to the Committees on Armed Services of the Senate and the House of Representatives on the relinquishment of jurisdiction. The report shall include the following pertaining to military installations under the jurisdiction of the Secretary: (1) A list of the installations or portions of installations where jurisdiction was relinquished pursuant to this directive; (2) A list of the installations or portions of installations where the Secretary offered to relinquish jurisdiction, but the State, Commonwealth, territory, or possession declined to accept the relinquishment of jurisdiction; (3) A list of the installations or portions of installations where the Secretary elected not to seek relinquishment of jurisdiction and the reason for not seeking such relinquishment; and (4) A complete list of the installations or portions of installations of which the United States continues to exercise exclusive jurisdiction over criminal offenses as of the date of the report.

For juvenile offenses committed on portions of military installations where concurrent jurisdiction exists, the conferees strongly urge that jurisdiction over individual cases involving juveniles be relinquished only where the State, Commonwealth, territory, or possession concerned has procedures under which cases involving juvenile offenders can be adjudicated in a juvenile proceeding unless the offense is of sufficient gravity that adjudication as an adult is appropriate. Additionally, the conferees encourage the military command and the entity exercising jurisdiction over juveniles to seek to avoid unnecessary separation of juveniles from parents or legal guardians.

*Automatic sunset for future statutory reporting requirements*

The Senate amendment contained a provision (sec. 1048) that would establish an automatic sunset of three years for future statutory reporting requirements of indefinite duration.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that excess reporting requirements impose costs on the Department of Defense that compound over time. The conferees direct the Secretary of Defense to report to the congressional defense committees, no later than April 1, 2019, a list of reporting requirements of indefinite duration that the Secretary believes are over-burdensome or overcome by other requirements. Such report should include the Secretary's analysis of reports listed in section 1061 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

*Sale of surplus Department of Defense equipment to eligible farmers*

The House bill contained a provision (sec. 1050) that would permit the Secretary of Defense, in consultation with the Secretary of Agriculture, to transfer excess Department of Defense (DOD) equipment related to farming to eligible military veterans who are beginning careers as farmers prior to such property being made available for public sale.

The Senate amendment contained no similar provision.

The House recesses.

The conferees encourage the Defense Logistics Agency to continue to engage with and educate relevant stakeholder organizations, current customers, and prospective participants, including veterans farming organizations, in programs that sell or transfer excess DOD property to ensure that the programs reach a wide array of customers, including military veterans beginning careers in the agricultural sector.

*Report on potential improvements to certain military educational institutions of the Department of Defense*

The Senate amendment contained a provision (sec. 1050) that would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives no later than December 1, 2019, reviewing educational institutions of the Department of Defense (DOD). The review would be conducted by an outside organization with

expertise in analyzing matters in connection with higher education.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that the Comptroller General of the United States is currently conducting a study at the direction of Committee on Armed Services of the House of Representatives related to the quality of curricula and faculty at Professional Military Education (PME) and Joint Professional Military Education (JPME) institutions. In addition to the questions addressed by that study, the conferees direct the Comptroller General to provide preliminary observations to the Committees on Armed Services of the Senate and the House of Representatives, no later than February 1, 2019, with a report to follow, that address the following additional questions:

(1) How do the admission standards and graduation requirements of the educational institutions of the DOD compare with the admission standards, graduation requirements, and graduation rates of public and private institutions of higher education?

(2) How do the goals and missions of the educational institutions of the DOD compare with the goal and missions of similar public and private institutions of higher education?

(3) How would modifications to admissions and graduation requirements affect the quality of education at PME and JPME institutions?

(4) How would modifications to the following policies or practices influence the quality of education at PME/JPME institutions?

- a. Modification of admission and graduation requirements;
- b. Reduction or expansion of degree-granting authority;
- c. Reduction or expansion of the acceptance of research grants;
- d. Reduction of class size generally;
- e. Reduction of class size through increased sponsoring of military students at non-DOD higher education institutions;
- f. Increase in the frequency of curriculum changes to account for emerging national defense issue; and
- g. Modification of civilian faculty management and employment practices.

*Expansion of definition of covered facility or asset for purposes of protection from unmanned aircraft*

The House bill contained a provision (sec. 1050B) that would expand the definition of covered facility or asset for the purposes of protection from unmanned aircraft.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Recruiting costs of the Armed Forces*

The Senate amendment contained a provision (sec. 1051) that would require the Secretary of Defense to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives on the costs of recruiting for the Armed Forces.

The House bill contained no similar provision.  
The Senate recesses.

#### *Department of Defense Review and Assessment on Advances, Opportunities, and Risks Related to Artificial Intelligence and Machine Learning*

The House bill contained a provision (sec. 1052) that would direct the Secretary of Defense, acting through the Defense Innovation Board and the Under Secretary of Defense for Research and Engineering, to carry out a review and assessment of the advances in artificial intelligence, related machine learning developments, and associated technologies for military applications.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note the inclusion elsewhere in this Act of provisions focusing on artificial intelligence progress and governance within the Department of Defense.

#### *Report on support for non-contiguous States and Territories in the event of threats and incidents*

The House bill contained a provision (sec. 1059) that would direct the Secretary of Defense to submit to the congressional defense committees a report on the Department of Defense's (DOD) support to non-contiguous States and Territories in the aftermath of natural or man-made incidents.

The Senate bill contained no similar provision.  
The House recesses.

The conferees note the importance of DOD's support to civil authorities in the event of natural and man-made disasters, including disasters affecting non-contiguous States and Territories such as recent hurricanes affecting Puerto Rico

and volcanic eruptions affecting Hawaii. The conferees therefore direct the Secretary of Defense to submit a report not later than 90 days after the enactment of this Act on the preparedness of DOD in providing support to non-contiguous States and Territories in the aftermath of applicable natural and man-made disasters, threats, and emergencies. The report should discuss support provided under section 403(c) of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 100-707) and incidents including natural disasters, acts of terrorism, and industrial accidents. The report should be submitted in unclassified form, but may contain a classified annex.

*Report on low-boom flight demonstration*

The House bill contained a provision (sec. 1060) that would require the Administrator of the National Aeronautics and Space Administration to submit a report to Congress describing the progress in development of the Low-Boom Flight Demonstration.

The Senate amendment contained no similar provision.  
The House recedes.

*Report on desalinization technology*

The House bill contained a provision (sec. 1064) that would require the Secretary of the Navy to submit a report on desalinization technology's application process for defense and national security purposes.

The Senate amendment contained no similar provision.  
The House recedes.

The conferees direct the Secretary of the Navy to submit a report to the congressional defense committees no later than February 1, 2019 on desalinization technology's application for defense and national security purposes to provide drought relief to areas impacted by sharp declines in water resources.

*Report on implementation of recommendations in Defense Business Board study*

The House bill contained a provision (sec. 1065) that would require the Secretary of Defense to submit a report on the efforts of the Secretary to implement recommendations in the study set forth by the Defense Business Board (DBB) titled "Transforming Department of Defense's Core Business Processes for Revolutionary Change."

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that a number of analyses, including the DBB study, the Government Accountability Office High Risk List, and Department of Defense Inspector General reports have pointed to waste of resources due to inefficiencies within the business functions of the Department of Defense. The conferees direct the Chief Management Officer to carefully review these studies and incorporate them as appropriate in the efforts already underway by the Secretary of Defense's Reform Management Group (RMG). The Secretary of Defense shall provide a report on RMG to the congressional defense committees no later than six months after date of enactment of this Act, including upfront costs and savings from RMG activities.

#### *Receipt of Firearm or Ammunition*

The House bill contained a provision (sec. 1073) that would amend title 18, United States Code, to require that, for the purposes of Federal firearms laws, the residency of members of the Armed Forces and their spouses be determined on the same basis.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note that the residence of a spouse of a member of the Armed Forces is the State in which that spouse resides, which is the State of the permanent duty station of the member, or such other State where the spouse may reside.

#### *Reauthorization of National Aviation Heritage Area*

The House bill contained a provision (sec. 1076) that would amend title V of division J of the Consolidated Appropriations Act of 2005 (Public Law 108-447) to establish Dayton History as the entity responsible for managing the National Aviation Heritage Area.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Target practice and marksmanship training support*

The House bill contained a provision (sec. 1079) that would amend sections 669a, 669g, and 669h of title 16, United States Code, to expand opportunities for construction and sustainment of target practice and marksmanship training facilities at public target ranges on Federal and non-Federal land.

The Senate amendment contained no similar provision.  
The House recesses.

*Sense of Congress on adversary air capabilities*

The House bill contained a provision (sec. 1080) that would express the sense of Congress on adversary air capabilities.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees agree that each facility of the Department of Defense housing an F-22 aircraft squadron should have adversary air capabilities to improve the training of F-22 aircrews.

*Sense of Congress regarding organic attack aviator training capability*

The House bill contained a provision (sec. 1081) that would provide a sense of Congress regarding organic attack aviator training capability in the Army National Guard.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees support an organic attack aviator training capability in the Army National Guard.

*Sense of Congress on the Legacy, Contributions, and Sacrifices of American Indian and Alaska Natives in the Armed Forces*

The House bill contained a provision (sec. 1082) that would express the sense of Congress on the legacy, contributions, and sacrifices of American Indian and Alaska Natives in the Armed Forces, and commits to ensuring progress for these groups with regard to representation in senior leadership positions, improved access to resources, and support for families and tribal communities.

The Senate amendment contained no similar provision.  
The House recesses.

*Amateur radio parity*

The House bill contained a provision (sec. 1083) that would amend section 97.15 of title 47, Code of Federal Regulations, to prohibit the application of any private land use restriction to amateur radio stations in a manner that would preclude communications in an amateur radio service.

The Senate amendment contained no similar provision.  
The House recesses.

*Program to Commemorate 75th Anniversary of World War II*

The House bill contained a provision (sec. 1085) that would require the Secretary of Defense to conduct a program to commemorate the 75th anniversary of World War II; such program would be authorized to include the provision of support to other Federal Government agencies, and to State and local governments. The Secretary would be authorized to spend not more than \$2.0 million for fiscal year 2019 for the activities of the Department of Defense World War II Commemoration Fund.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees encourage the Secretary of Defense to take steps wherever possible to thank and honor veterans of World War II and educate the public about the history of World War II, to include recognizing the sacrifices and contributions of the American people and allies of the United States.

*Compliance with requirements relating to reciprocity of security clearance and access determinations*

The House bill contained a provision (sec. 1086) that would direct the Secretary of Defense to comply with section 3001(d) of the Intelligence Reform and Terrorism Prevention Act of 2004 (Public Law 108-458; 50 U.S.C. 3341(d)).

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note the binding nature of the Intelligence Reform and Terrorism Prevention Act of 2004 (Public Law 108-458) as existing statute on the Secretary of Defense.

*Use of GI benefits for agriculture-related education programs*

The House bill contained a provision (sec. 1088) that would require the Secretary of Defense, in consultation with the Secretary of Labor and the Secretary of Veterans Affairs, to provide guidance and resources for individuals interested in using educational benefits under chapters 30, 31, 32, 33, 34, or 35 of title 38, United States Code, or chapter 1606 or 1607 of title 10, United States Code, for agriculture-related education programs.

The Senate amendment contained no similar provision.  
The House recesses.

*Privacy protections for electronic communications information that is stored by third-party service providers*

The House bill contained a provision (sec. 1090) that would amend sections 2702, 2703, and 2705 of title 18, United States Code, to make a series of changes to voluntary and involuntary disclosure requirements for third-party service providers.

The Senate amendment contained no similar provision.  
The House recedes.

*Lessons learned and best practices on progress of gender integration implementation in the Armed Forces*

The House bill contained a provision (sec. 1091) that would require the Secretary of Defense to direct each component of the Armed Forces to share lessons learned and best practices on the progress of their gender integration implementation plans and to communicate strategically that progress with other components of the Armed Forces as well as the general public, as recommended by the Defense Advisory Committee on Women in the Services.

The Senate amendment contains no similar provision.  
The House recedes.

*Report on readiness of National Guard to respond to natural disasters*

The House bill contained a provision (sec. 1092) that would require the Secretary of Defense to submit to the congressional defense committees a report analyzing the readiness of the National Guard and Reserve to respond to natural disasters.

The Senate amendment contained no similar provision.  
The House recedes.

*Promoting Federal procurement with historically Black colleges and universities and minority institutions*

The House bill contained a provision (sec. 1094) that would require the head of an executive agency, or contracting officer, to assist historically black colleges and universities and minority institutions to develop viable, self-sustaining businesses capable of competing on an equal basis in the mainstream of the United States economy; and promote Federal procurement with historically black colleges and universities and minority institutions.

The Senate amendment contained no similar provision.  
The House recesses.

*Sense of Congress honoring the Dover Air Force Base, Delaware, home to the 436th Airlift Wing, the 512th Airlift Wing, and the Charles C. Carson Center for Mortuary Affairs*

The House bill contained a provision (sec. 1097) that would express the sense of Congress on Dover Air Force Base.  
The Senate amendment contained no similar provision.  
The House recesses.

*Report on capacity of Department of Defense to provide survivors of natural disasters with emergency short-term housing*

The House bill contained a provision (sec. 1098) that would have required the Secretary of Defense to submit a report analyzing the capacity of the Department of Defense to provide survivors of natural disasters with emergency short-term housing.

The Senate amendment contained no similar provision  
The House recesses.

The conferees note that, when requested, the Department of Defense provides support to natural disaster response and relief efforts in the United States with personnel, equipment, and infrastructure. Such tasks often fall to units of the National Guard and Reserves. Despite supporting these relief efforts, the conferees note that disaster response is not identified as a priority when allocating resources in support of a military unit's readiness. Therefore, the conferees direct the Secretary of Defense to provide a briefing to the Armed Services Committees of the Senate and House of Representatives not later than March 1, 2019, that assesses the readiness of the Department of Defense to provide support to natural disaster response and relief efforts. Specifically, the briefing should address the personnel, equipment, supplies, training, and command and control that have been identified as necessary to support a response to a natural disaster, how these requirements are identified, validated, and programmed for, any gaps that have been identified in terms of personnel, equipment, supplies, and training, and actions being taken to mitigate these gaps. In addition, the briefing should address the capacity and capability of military installations to provide staging for disaster relief operations and temporary housing for those who are victims of natural disasters.

*Study on recruitment of students with experience in certain technical fields*

The House bill contained a provision (sec. 1099) that would require the Secretary of Defense to conduct a study to determine how the Department of Defense can attract and recruit from institutions of higher education, including minority serving institutions, students with educational backgrounds in science, technology, engineering, and mathematics, including the fields of artificial intelligence, machine learning, and cybersecurity.

The Senate amendment contained no similar provision.  
The House recesses.

*Sense of Congress regarding explosive ordnance disposal*

The House bill contained a provision (sec. 1099B) that would provide a Sense of Congress on the importance of intelligence personnel in Explosive Ordnance Disposal (EOD) units.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees note the importance of supplying EOD units with the most advanced capabilities and specialized personnel necessary to accomplish their mission. The threat from unexploded ordnance and improvised explosive devices remains persistent, and EOD units must be appropriately equipped to provide an effective response.

*Authorization of appropriations for research on women's contributions to security*

The House bill contained a provision (sec. 1099C) that would, of the amounts authorized to be appropriated or otherwise made available for the Department of Defense for fiscal year 2019, \$150,000 shall be made available for research on women's contributions to security at the National Defense University Institute for National Strategic Studies.

The Senate amendment contained no similar provision.  
The House recesses.

*National strategy for countering violent extremism*

The House bill contained a provision (sec. 1099D) that would modify section 1094(a)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to

emphasize women's leadership in preventing and countering violent extremism.

The Senate amendment contained no similar provision.  
The House recedes.

The conferees expect that implementation of the strategy required under section 1094 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) will seek to support women's leadership and full participation in preventing and countering violent extremism, reduce gender barriers to peace and security, and address gender-specific drivers of radicalization and terrorist recruitment strategies.

#### *Inclusion of certain names on the Vietnam Veterans Memorial*

The House bill contained a provision (sec. 1099E) that would require the Secretary of Defense to provide for the inclusion on the Vietnam Veterans Memorial in the District of Columbia the names of the seventy-four crew members of the USS Frank E. Evans killed on June 3, 1969.

The Senate amendment contained no similar provision.  
The House recedes.

#### *Certifications required prior to transfer of certain veterans memorial object*

The House bill contained a provision (sec. 2844) that would amend section 2864 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to require a report prior to the return of certain veterans memorial objects.

The Senate amendment contained no similar provision.  
The House recedes.

#### *Exclusion of certain payments from calculation for fiscal year 2019 PILT payments*

The House bill contained a provision (sec. 3402) that would exclude certain payments from calculation for fiscal year 2019 PILT payments.

The Senate amendment contained no similar provision.  
The House recedes.

#### *Briefing on procurement plan for Acquired Position Navigation and Timing (APNT) solution*

The Senate amendment contained a provision (sec. 5101) that would require a briefing from the Secretary of the Army

regarding the immediate procurement of position, navigation, and timing systems.

The House bill contained no similar provision.

The Senate recesses.

*Sense of Congress on KC-46A aerial refueling tanker emergent requirements*

The Senate amendment contained a provision (sec. 5102) that would express the sense of Congress on the KC-46A aircraft.

The House bill contained no similar provision.

The Senate recesses.

The conferees agree that (1) The KC-46A will serve as the backbone of the Air Force's critical aerial refueling mission for the next several decades, replacing the aging 1950's-era KC-135 Stratotanker fleet; (2) The Air Force has provided funding for numerous military construction projects at installations across the country to prepare for the delivery and bed down of the KC-46A aircraft; (3) As the KC-46A program matures and requirements become better defined, additional military construction and facilities, sustainment, restoration and modernization (FRSM) funding is likely to be necessary to properly support the fielding of the aircraft, house additional personnel, and meet unforeseen requirements of the tanker mission; and (4) The Secretary of the Air Force should continue to review and validate new emergent requirements and prepare to provide additional military construction and FRSM funding in its budget request for fiscal year 2020 and future years as needed.

*Report on Air Force training range requirements to address fifth generation threats*

The Senate amendment contained a provision (sec. 5305) that would require the Secretary of the Air Force to submit to the congressional defense committees a report on the needs of the Air Force to ensure pilots can train against the full range of fifth generation threats at training ranges.

The House bill contained no similar provision.

The Senate recesses.

The conferees agree on the importance of our training range infrastructure to support training for potential conflict against near-peer adversaries. The conferees note that the report accompanying House Resolution 5515 (Report 115-676) directs the Comptroller General of the United States to report on the Department of Defense's training range requirements, strategy, and investment plan. The conferees direct the

Comptroller General to provide the required briefing and report to the Senate Committee on Armed Services as well as the House Committee on Armed Services.

*Developing innovation and growing the Internet of Things*

The Senate amendment contained a provision (sec. 5802) that would: require the Secretary of Commerce to convene a working group of Federal stakeholders for the purpose of providing recommendations and a report to Congress relating to aspects of the Internet of Things; establish within the Department of Commerce a steering committee to advise the working group; and require the Federal Communications Commission to issue a notice of inquiry seeking public comment on the current and future spectrum needs of the Internet of Things.

The House bill contained no similar provision.

The Senate recesses.

*Comptroller General of the United States review of effect of other-than-honorable discharges on veteran employment outcomes*

The Senate amendment contained a provision (sec. 6007) that would require the Comptroller General of the United States, in consultation with the Secretaries of Defense, Veterans Affairs, and Labor, to complete a review of the effect of discharges and releases from active military, naval, or air service under conditions other-than-honorable on employment outcomes for veterans.

The House bill contained no similar provision.

The Senate recesses.

## **TITLE XI—CIVILIAN PERSONNEL MATTERS**

*Direct hire authority for the Department of Defense for certain competitive service positions (sec. 1101)*

The House bill contained a provision (sec. 1101) that would amend chapter 99 of title 5, United States Code, by adding a new section that would provide the Secretary of Defense authority to expedite hiring of civilian personnel into positions involving maintenance, depot maintenance, cybersecurity, acquisition, and science, technology, and engineering. This authority would expire on September 30, 2025.

The Senate amendment contained no similar provision.

The Senate recesses.

*Modification of direct hire authority for the Department of Defense for post-secondary students and recent graduates (sec. 1102)*

The House bill contained a provision (sec. 1102) that would amend chapter 99 of title 5, United States Code, by adding a new section that would authorize the Secretary of Defense to recruit and hire recent graduates into competitive positions in the Department of Defense through September 30, 2025. This section would also repeal the more limited authority provided by section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) by increasing the limiting percentage under that section to 25 percent, and by extending the sunset contained in that section to September 30, 2025.

The conferees note that this authority is intended to expedite the hiring process and make the Department of Defense a competitive employer. In that light, the conferees expect the Department to ensure field activities are given sufficient flexibility under the cap to expedite job offers to qualified applicants.

*Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan (sec. 1103)*

The House bill contained a provision (sec. 1103) that would amend section 5542 of title 5, United States Code, to extend until September 30, 2021, the authority of the Secretary of the Navy to pay overtime rates to civilian employees performing temporary duty in Japan in support of the forward deployed nuclear aircraft carrier.

The Senate amendment contained no similar provision.

The Senate recedes.

*One-year extension and expansion of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas (sec. 1104)*

The House bill contained an provision (sec. 1104) that would amend section 1101 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110-417) to extend the authority to waive the annual limitation on premium

pay and aggregate limitation on pay for Federal civilian employees working overseas until September 30, 2019.

The Senate amendment contained a similar provision (sec. 1125) that would amend section 1101 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110-417), as most recently amended by section 1137 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), to extend through 2019 the authority of heads of executive agencies to waive limitation on the aggregate of basic and premium pay of employees who perform work in an overseas location that is in the area of responsibility of the commander of U.S. Central Command (CENTCOM), or a location that was formerly in CENTCOM, but has been moved to an area of responsibility for the Commander, U.S. Africa Command, in support of a military operation or an operation in response to a declared emergency.

The Senate recesses with a clarifying amendment.

*Extension of authority to conduct telework travel expenses test programs (sec. 1105)*

The House bill contained a provision (sec. 1106) that would amend section 5711 of title 5, United States Code, to extend the authority of the Administrator of the General Services Administration to conduct a test telework program until December 31, 2020.

The Senate amendment contained no similar provision.

The Senate recesses.

*Personnel demonstration projects (sec. 1106)*

The House bill contained a provision (sec. 1107) that would amend section 4703 of title 5, United States Code, to deem that demonstration projects conducted under this authority lasting more than 10 years shall not count against the limit of 10 such projects ongoing at any time.

The Senate amendment contained no similar provision.

The Senate recesses.

*Expanded flexibility in selecting candidates from referral lists (sec. 1107)*

The House bill contained a provision (sec. 1108) that would amend subchapter I of chapter 33 of title 5, United States Code, to provide Federal agencies flexibility in setting the minimum number of candidates who must be considered on a

referral list for each vacancy by amending sections 3317, 3318, and 3319 of such title.

The Senate amendment contained no similar provision.

The Senate recesses.

*Expedited hiring authority for college graduates and post secondary students (sec. 1108)*

The House bill contained a provision (sec. 1110) that would amend subchapter I of chapter 31 of title 5, United States Code, to provide expedited hiring authority for college graduates.

The Senate amendment contained a similar provision (sec. 1122) that would modify the recruitment and hiring process to provide additional flexibility in hiring college graduates and students. This authority would allow Federal agencies to determine recruitment sources and processes for the solicitation of applications in order to compete for top talent. The Director of the Office of Personnel Management would have the authority to cap the number of hires made under this authority.

The House recesses.

*Inapplicability of certification of executive qualifications by qualification review boards of Office of Personnel Management for initial appointments to Senior Executive Service positions in Department of Defense (sec. 1109)*

The Senate amendment contained a provision (sec. 1101) that would temporarily exempt the Department of Defense from the requirement that Office of Personnel Management qualification review boards certify candidates for senior executive service positions within the Department. The provision would sunset 2-years after enactment.

The House bill contained no similar provision.

The House recesses.

*Engagement with Historically Black Colleges and Universities and minority-serving institutions for the purposes of technical workforce enhancement (sec. 1110)*

The Senate amendment contained a provision (sec. 1102) that would create a direct-hire authority at Science and Technology Reinvention Laboratories and Major Range and Test Facilities Base facilities for graduates of minority-serving institutions with degrees in science, technology, engineering, and mathematics.

The House bill contained no similar provision.

The House recesses with an amendment that would remove the specific hiring authority and direct the Secretary of Defense to develop and submit a report detailing activities to increase engagement with covered educational institutions.

The conferees note that other existing hiring authorities are applicable to graduates of minority-serving institutions with degrees in science, technology, engineering, and mathematics.

*Inclusion of Strategic Capabilities Office and Defense Innovation Unit Experimental of the Department of Defense in personnel management authority to attract experts in science and engineering (sec. 1111)*

The Senate amendment contained a provision (sec. 1103) that would extend the existing direct hiring authority codified in section 1599h of title 10, United States Code, to the Strategic Capabilities Office and the Defense Innovation Unit Experimental.

The House bill contained no similar provision.

The House recesses.

*Enhancement of flexible management authorities for science and technology reinvention laboratories of the Department of Defense (sec. 1112)*

The Senate amendment contained a provision (sec. 1104) that would extend and enhance existing direct hiring authorities at the Science and Technology Reinvention Laboratories within the Department of Defense.

The House bill contained no similar provision.

The House recesses.

*Inclusion of Office of Secretary of Defense among components of the Department of Defense covered by direct hire authority for financial management experts (sec. 1113)*

The Senate amendment contained a provision (sec. 1105) that would extend the direct hire authority created in section 1110 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) for financial management experts to include the Office of the Secretary of Defense.

The House bill contained no similar provision.

The House recesses.

*Alcohol testing of civil service mariners of the Military Sealift Command assigned to vessels (sec. 1114)*

The Senate amendment contained a provision (sec. 1121) that would amend chapter 643 of title 10, United States Code, to authorize the Secretary of the Navy to prescribe regulations establishing a program to conduct on-duty reasonable suspicion alcohol testing and post-accident alcohol testing of civil service mariners of the Military Sealift Command assigned to vessels. In addition, this provision would amend section 7479 of such title to permit release of alcohol testing results to the Coast Guard.

The House bill contained no similar provision.  
The House recesses.

*One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone (sec. 1115)*

The Senate amendment contained a provision (sec. 1124) that would extend by one year the discretionary authority of the head of a federal agency to provide allowances, benefits, and gratuities comparable to those provided to members of the Foreign Service to an agency's civilian employees on official duty in a combat zone.

The House bill contained no similar provision.  
The House recesses.

#### **LEGISLATIVE PROVISIONS NOT ADOPTED**

*Appointment of retired members of the Armed Forces to positions in or under the Department of Defense*

The House bill contained a provision (sec. 1105) that would provide the Secretary of Defense temporary authority to appoint retired members of the Armed Forces to Federal civilian positions within the Department of Defense immediately upon retirement for certain categories of positions. This section would provide this authority to the Secretary for 5 years.

The Senate amendment contained no similar provision.  
The House recesses.

*Temporary and term appointments in the competitive service*

The House bill contained a provision (sec. 1109) that would amend subchapter I of chapter 31 of title 5, United States Code, by adding a new section that would authorize the heads of Federal agencies to hire civilian personnel through temporary and term appointments. This section would also permit an agency

head to make noncompetitive hires for up to 18 months to meet a critical need.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Presidential allowance modernization*

The House bill contained a provision (sec. 1111) that would amend various sections of the Former Presidents Act of 1958 (Public Law 85-745) to modify various annuities, allowances, and other benefits provided to former presidents of the United States.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Reporting requirement*

The House bill contained a provision (sec. 1112) that would amend section 7131 of title 5, United States Code, by requiring the Office of Personnel management to submit to Congress an annual report on the amount and purpose of official time granted to employees in each federal agency.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Increase in maximum amount of voluntary separation incentive pay authorized for civilian employees*

The Senate amendment contained a provision (sec. 1123) that would amend sections 3523 and 9902 of title 5, United States Code, to increase the maximum amount of separation pay authorized for Voluntary Separation Incentive Pay (VSIP) from the current ceiling of \$25,000 to \$40,000, and includes an annual adjustment in accordance with the Consumer Price Index. The maximum payable amount has not been adjusted since VSIP was first authorized by the Chief Human Capital Officers Act of 2002 (title XIII of Public Law 107-296).

The House bill contained no similar provision.  
The Senate recesses.

## **TITLE XII—MATTERS RELATING TO FOREIGN NATIONS**

### **SUBTITLE A—ASSISTANCE AND TRAINING**

*Modification of authority to build the capacity of foreign security forces (sec. 1201)*

The House bill contained a provision (sec. 1210B) that would make modifications to sections 331, 332, and 333 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make modifications to section 333 of title 10, United States Code.

*Clarification of authority for use of advisors and trainers for training of personnel of foreign ministries with security missions under defense institution capacity building authorities (sec. 1202)*

The Senate amendment contained a provision (sec. 1201) that would modify section 332 of title 10, United States Code, regarding the provision of assistance to build the institutional capacity of foreign partners.

The House bill contained no similar provision.

The House recedes.

*Increase in cost limitation and additional notification required for small scale construction related to security cooperation (sec. 1203)*

The House bill contained a provision (sec. 1206) that would increase the limitation on small-scale construction related to security cooperation from \$750,000 to \$2.0 million.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would increase the limitation on small-scale construction related to security cooperation to \$1.5 million and would require that the provision of small-scale construction above \$750,000 under specified authorities include a notification containing the location, project title, cost, Department of Defense Form 1391, and a masterplan of planned infrastructure investments at the location.

*Technical corrections relating to defense security cooperation statutory reorganization (sec. 1204)*

The House bill contained a provision (sec. 1275) that would make technical corrections relating to defense security cooperation statutory reorganization.

The Senate amendment contained a provision (sec. 1206) that would make technical corrections to title 10, United States

Code, and other legislation referencing sections that were redesignated under section 1241 of the National Defense Authorization Act of Fiscal Year 2017(Public Law 114-328).

The Senate recesses.

*Review and report on processes and procedures used to carry out section 362 of title 10, United States Code (sec. 1205)*

The House bill contained a provision (sec. 1208) that would require the Secretary of Defense, with the concurrence of the Secretary of State, to conduct a review of the processes and procedures used to carry out section 362 of title 10, United States Code, and submit a report to the appropriate congressional committees on such review. This section would also make conforming amendments to section 362 and to section 1206 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291).

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would make modifications to the review required by this section and make conforming changes to section 1206 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291).

*Report on the use of security cooperation authorities (sec. 1206)*

The House bill contained a provision (sec. 1201) that would express the sense of Congress that the Secretary of Defense should use appropriate security cooperation authorities to counter the malign influence campaigns that are directed at allies and partners and that pose a significant threat to the United States. This section would also require the Secretary of Defense to include a report on funding for this purpose with the consolidated budget materials for security cooperation required by section 381 of title 10, United States Code, in fiscal year 2020 through fiscal year 2025.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would express the sense of the Congress that the Secretary of Defense should utilize appropriate security cooperation authorities to counter malign influence campaigns by strategic competitors and other state actors that are directed at allied and partner countries and that pose a significant threat to the national security of the United States. The amendment would also require the Secretary of Defense to include with the consolidated budget materials submitted to Congress as required by section 381 of

title 10, United States Code, for fiscal years 2020 and 2021 a report on the use of security cooperation funding to counter the malign influence by strategic competitors and other state actors directed at allied and partner countries and that pose a significant threat to the national security of the United States.

*Participation in and support of the Inter-American Defense College (sec. 1207)*

The House bill contained a provision (sec. 1205) that would permit the Secretary of Defense to authorize members of the Armed Forces and civilian personnel of the Department of Defense (DOD) to participate in the operation of and the provision of support to the Inter-American Defense College (IADC) and provide logistic support, supplies, and services to the College as the Secretary considers necessary. The provision would also require the Secretary, in concurrence with the Secretary of State, to enter into a memorandum of understanding with the Inter-American Defense Board regarding the operation and provision of host nation support to the IADC. Additionally, the provision would permit the use of funds appropriated for operation and maintenance to pay the costs for DOD personnel in the operation and provision of host nation support to the IADC. It would also include a waiver for reimbursement for developing countries for the costs of funding and other host nation support to the IADC if the Secretary determines that it is in the national security interests of the United States.

The Senate amendment contained no similar provision.

The Senate recesses.

*Naval Small Craft Instruction and Technical Training School (sec. 1208)*

The Senate amendment contained a provision (sec. 1207) that would authorize the Secretary of Defense to operate and maintain the Naval Small Craft Instruction and Technical Training School.

The House bill contained no similar provision.

The House recesses with a clarifying amendment.

*Expansion of Regional Defense Combating Terrorism Fellowship Program to include irregular warfare (sec. 1209)*

The Senate amendment contained a provision (sec. 1203) that would amend section 354 of title 10, United States Code and

expand the Regional Defense Combating Terrorism Fellowship Program to include irregular warfare.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

*Modification to Department of Defense State Partnership Program (sec. 1210)*

The Senate amendment contained a provision (sec. 1202) that would make a technical modification to section 341(b)(2) of title 10, United States Code to clarify the conditions under which vetting pursuant to section 362, title 10, United States Code, is required for the conduct of Department of Defense State Partnership Program activities.

The House bill contained no similar provision.

The House recedes.

*Assessment, monitoring, and evaluation of security cooperation (sec. 1211)*

The House bill contained a provision (sec. 346) that would designate \$12.0 million of funds available for the Defense Security Cooperation Agency toward assessment, monitoring, and evaluation (AM&E) of security cooperation activities in accordance with section 383 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that states that of the amounts for Operations and Maintenance, Defense-wide made available to the Defense Security Cooperation Agency for fiscal year 2019, it is the goal that not less than \$12.0 million, but in no event less than \$6.0 million, shall be allocated for the AM&E of security cooperation activities in accordance with section 383 of title 10, United States Code. The conferees believe that the amount specifically identified in the fiscal year 2019 budget request for AM&E of security cooperation programs is wholly insufficient to meet congressional intent. The significant growth of security cooperation capacity building programs and associated funding in recent years has far outpaced the Department's emphasis on and resourcing of AM&E of those programs. The conferees reiterate their expectation that the Department's AM&E program should be rigorous and comprehensive, and provide for the continuous review of security cooperation programs from inception to completion that measure outcomes against defined objectives. Additionally, an effective AM&E program will provide important lessons learned that will be critical to improving the effectiveness and efficiency of subsequent security cooperation efforts. The conferees expect

the Department to allocate sufficient resourcing to accomplish these objectives in fiscal year 2019 and in future budget requests.

Further, the amendment would limit the availability of funds for activities under section 333 of title 10, United States Code, until the Secretary of Defense submits a written plan including a description of the activities planned for fiscal year 2019 for the evaluation of security cooperation programs across the security cooperation enterprise, including through chapter 16 of title 10, United States Code, the Afghanistan Security Forces Fund, the Counter-ISIL Fund, the cooperative threat reduction program, and other security cooperation authorities as appropriate; and a description of the activities planned for fiscal year 2019 for the training, support, and organization of the Department to effectively carry out responsibilities under section 383 of title 10, United States Code.

*Legal and policy review of advise, assist, and accompany missions (sec. 1212)*

The Senate amendment contained a provision (sec. 1205) that would require the Under Secretary of Defense for Policy and the General Counsel of the Department of Defense, in coordination with the appropriate combatant commands, not later than 120 days after the date of enactment of this Act, to submit to the congressional defense committees a report on a review of the legal and policy frameworks associated with advise, assist, and accompany missions by United States military personnel.

The House bill contained no similar provision.

The House recedes with an amendment that would require not later than 120 days after the date of enactment of this Act the Under Secretary of Defense for Policy, in coordination with the General Counsel of the Department of Defense and the commanders of the appropriate combatant commands, to conduct a review of the legal and policy frameworks associated with advise, assist, and accompany missions by United States military personnel and submit to the Secretary of Defense a report on the results of such review. The amendment would also require that not later than 30 days after the date on which the Secretary receives the required report, the Secretary shall submit to the congressional defense committees the report together with any comments by the Secretary that amplify or clarify the report.

*Extension and modification of authority to support border security operations of certain foreign countries (sec. 1213)*

The Senate amendment contained a provision (sec. 1204) that would amend section 1226 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as amended, by authorizing the Secretary of Defense to provide support on a reimbursable basis to the Government of Oman and Government of Pakistan for the purposes of supporting and enhancing efforts of the armed forces of Oman and Pakistan to increase and sustain security along the borders of Yemen and Afghanistan, respectively. The provision would also require quarterly reports on the use of this authority and would require the Secretary of Defense to submit a report 15 days prior to the provision of support under this authority to any country that has not previously received with information and a certification regarding the use of the authority. Finally, the provision would extend this authority through December 31, 2021.

The House bill contained no similar provision.

The House recesses.

*Framework for obtaining concurrence for participation in activities of regional centers for security studies (sec. 1214)*

The House bill contained a provision (sec. 1202) that would amend section 342 of title 10, United States Code, to clarify that travel, transportation, and subsistence expenses are included among the costs of activities of the Regional Centers eligible for waiver of reimbursement.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require not later than 120 days after the date of enactment of this Act the Secretary of Defense, with the concurrence of the Secretary of State, to establish and submit to appropriate congressional committees a Memorandum of Agreement or similar arrangement setting forth a framework for the procedures required between the Department of Defense and the Department of State to obtain the concurrence of the Secretary of State, as required by law or policy, to allow non-defense and non-governmental personnel of friendly foreign countries to participate in activities of the Department of Defense Regional Centers for Security Studies. The conferees expect the framework to include elements that streamline procedures for concurrence, delegate approval to the lowest practicable level, require measures to issue concurrence decisions within 14 days unless there are extenuating circumstances, and provide for procedures for rapid consideration of alternate attendees.

## **SUBTITLE B—MATTERS RELATING TO AFGHANISTAN AND PAKISTAN**

*Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan (sec. 1221)*

The House bill contained a provision (sec. 1211) that would extend for two years the authority to transfer defense articles being drawn down in the Islamic Republic of Afghanistan and the authority to provide defense services regarding such transfers to the military and security forces of Afghanistan.

The Senate amendment contained a similar provision (sec. 1213) that would extend the authority to transfer defense articles for one year.

The Senate recesses.

*Extension and modification of reporting requirements for special immigrant visas for Afghan allies program (sec. 1222)*

The Senate amendment contained a provision (sec. 1214) that would renew a reporting requirement under the Afghan Allies Protection Act of 2009 to assess the health of the Special Afghan Immigrant Visa (SIV) application process and identify any delays in orderly visa processing.

The House bill contained no similar provision.

The House recesses.

The conferees are concerned by reports that the SIV application process continues to suffer from inadequate interagency coordination which has resulted in undue delay, needless stress on applicants, and a sizable drop in SIV admissions this year.

The conferees note the critical work performed by Afghan partners in support of United States and coalition efforts and the importance of sustaining the SIV program. In all operations the military depends on robust and trustworthy relationships with local partners. If the United States wishes to achieve success in current and future operations overseas, it must protect those who help enable that success. Local partners in other potential conflict zones are watching how the United States treats its networks in Afghanistan; the policies and practices used there will influence confidence and loyalties elsewhere when supporters are needed. As the United States continues to protect its interests around the world, it will need the assistance of willing partners. Ensuring the SIV

program is effectively managed and resourced is one way to communicate America's steadfast commitment to our partners.

*Afghanistan Security Forces Fund (sec. 1223)*

The Senate amendment contained a provision (sec. 1211) that would extend the authority to continue certain established provisions applicable to the Afghanistan Security Forces Fund (ASFF), including the use of funds, transfer authority, and acceptance of contributions to provide assistance to the security forces of the Ministry of Defense and Ministry of Interior of Afghanistan, including the provision of equipment, supplies, services, training, and funds to develop the capacity of Afghanistan's security ministries.

The House bill contained a similar provision (sec. 1521).

The House recesses with an amendment that requires the Secretary of Defense to provide an assessment of the Government of Afghanistan's ability to manage, employ, and sustain equipment divested under the ASFF.

The conferees note the emphasis in this provision placed on the resources allocated to integrate women into the security forces of Afghanistan. The conferees, however, do not encourage the Department of Defense to allocate funding for women and girls programming simply for the sake of meeting a goal. The conferees are aware that previous funding has not always been applied in the most effective and judicious manner and encourage the Department to ensure going forward that any funds spent on such efforts are valid and verifiable.

Additionally, the conferees are disappointed by recent public decisions regarding a lack of transparency on basic information such as kinetic strike data, ANDSF development, retention, and casualty rates, and progress on achieving the central tenants of the bilateral U.S.-Afghanistan Compact. The restriction of information in this manner undermines public confidence, hinders necessary congressional oversight, and raises legitimate questions about the efficacy of current U.S. efforts in Afghanistan.

*Extension and modification of Commanders' Emergency Response Program (sec. 1224)*

The House bill contained a provision (sec. 1213) that would extend the Commanders' Emergency Response Program through 2020 and would modify the countries in which ex gratia payments are authorized to include Somalia, Yemen, and Libya.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would extend the Commanders' Emergency Response Program through 2019 and would modify the countries in which ex gratia payments are authorized to include Somalia, Yemen, and Libya.

*Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations (sec. 1225)*

The House bill contained a provision (sec. 1212) that would extend through December 31, 2019, the authority to make Coalition Support Fund (CSF) payments under section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181).

The Senate amendment contained a similar provision (sec. 1212) that would extend the authority to make CSF payments and authorize up to \$350.0 million. It would also prohibit Pakistan from receiving CSF reimbursements except under the authority of a separate border security provision (sec. 1204).

The House recedes.

The conferees recognize that stability in the South Asia region cannot be achieved without cooperation with the Government of Pakistan. The conferees also recognize that there are a number of areas in which U.S. and Pakistani national security interests converge. Pakistan has long been an important security partner and that has not changed. It is important, however, to seek new opportunities for coordination and cooperation that is transparent and mutually beneficial.

## **SUBTITLE C—MATTERS RELATING TO SYRIA, IRAQ, AND IRAN**

*Extension and modification of authority to provide assistance to the vetted Syrian opposition (sec. 1231)*

The House bill contained a provision (sec. 1222) that would extend the authority under section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291), as amended, through December 31, 2019. The provision would also limit the reprogramming of any funds until thirty days after the President submits to the congressional defense committees a plan describing the objectives, activities, and nature of the partner forces trained and equipped under this authority.

The Senate amendment contained a similar provision (sec. 1222) that would extend the authority through 2019. It would

also limit the use of any funds authorized to be appropriated for fiscal 2019 under this authority until the President submits to the appropriate congressional committees the report on the United States strategy in Syria as required by section 1221 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) and a report describing the plans, processes, mechanisms, and accompanying governance and stabilization activities for training the internal security forces of the vetted Syrian opposition under this authority. Finally, the Senate provision would limit the obligation or expenditure of any funds under this authority until the Secretary of Defense submits to the congressional defense committees a written certification every 120 days after the enactment of this Act on progress toward defeating the Islamic State of Iraq and Syria (ISIS) and efforts to promote stabilization, equitable governance, and adherence to United States standards for human rights and the rule of law with respect to support under this authority.

The House recedes with an amendment that would retain the reprogramming requirement and replace the certification requirement with a requirement for a quarterly report to be submitted by the Secretary of Defense, in coordination with the Secretary of State, to the appropriate congressional committees on progress in the campaign against ISIS and in stabilization, equitable governance, and other matters in Syria.

The conferees recognize the significant progress made by coalition forces against ISIS, but remain deeply concerned by the lack of clarity and conflicting messages from administration officials on the United States' strategy in Syria. The conferees urge the administration to provide the information necessary for the Congress to adequately evaluate the requirements for this authority and how it contributes to the accomplishment of U.S. objectives in Syria.

#### *Syrian war crimes accountability (sec. 1232)*

The Senate amendment contained a provision (sec. 6203) that would require the Secretary of State to submit a report on war crimes, crimes against humanity, and genocide in Syria to the appropriate congressional committees not later than 90 days after the date of the enactment of this Act. It would also require another report not later than 180 days after the Secretary of State determines that the violence in Syria has ceased. The provision would direct the Secretary of State to conduct a study and submit a report on transitional justice in Syria and authorize technical assistance for the purposes of ensuring accountability for war crimes, crimes against humanity,

and genocide perpetrated by all forces fighting on the behalf of the regime of President Bashar al-Assad and all non-state armed groups fighting in Syria from March 2011 forward. Additionally, the provision would direct the Secretary of State, through the United States Permanent Representative to the United Nations, to extend the mandate of the Independent International Commission of Inquiry on the Syrian Arab Republic until its work is complete.

The House contained no similar provision.

The House recesses with an amendment that would make several technical and clarifying changes.

*Extension of authority to provide assistance to counter the Islamic State of Iraq and Syria (sec. 1233)*

The House bill contained a provision (sec. 1221) that would extend the authority under section 1236 of the National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291), as most recently amended by section 1222 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), by authorizing the Secretary of Defense, in coordination with the Secretary of State, to provide \$850.0 million in assistance to the military and other security forces of, or associated with, the Government of the Republic of Iraq, through December 31, 2020. Additionally, the House bill would express the sense of Congress on the contributions of the Peshmerga forces of the Kurdistan Region of Iraq in the campaign to defeat the Islamic State of Iraq and Syria (ISIS). It would also require the Secretary of Defense, in coordination with the Secretary of State, to submit to the appropriate congressional committees and leadership of the House of Representatives and the Senate a quarterly progress report on the end-use of United States provided equipment and the extent to which any organizations associated with the Iranian Revolutionary Guard Corps have been incorporated into the Iraqi military.

The Senate amendment contained a provision (sec. 1221) that would extend the authority through the end of 2020 while limiting the obligation or expenditure of more than \$450.0 million of funds authorized for fiscal year 2019 until the report on the United States strategy in Iraq required by the Joint Explanatory Statement accompanying Conference Report 115-404 and a report on the planned use of funds and the purpose, size, roles, and missions of United States forces in Iraq is submitted to the appropriate congressional committees.

The House recesses with an amendment that would retain the sense of Congress on the contributions of the Peshmerga and the quarterly progress report, along with several clarifications.

*Limitation on assistance to the Government of Iraq (sec. 1234)*

The House bill contained a provision (sec. 1230D) that would limit the obligation or expenditure of funds authorized to be appropriated for this Act for assistance to the Ministry of the Interior of the Government of Iraq until the Secretary of Defense and the Secretary of State jointly certify to the appropriate congressional committees that such funds will not be disbursed by the United States to any group that is or is known to be affiliated with the Iranian Revolutionary Guard Corps-Quds Force or other state sponsor of terrorism.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the reference to the Ministry of the Interior and expand the prohibition to the Government of Iraq as a whole, along with several technical and clarifying changes.

*Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq (sec. 1235)*

The House bill contained a provision (sec. 1223) that would amend section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81), as amended, by extending the authority for the Office of Security Cooperation in Iraq (OSC-I) for one year through fiscal year 2019.

The Senate amendment contained a provision (sec. 1223) that would extend the authority for OSC-I through fiscal year 2019. The provision would limit the obligation or expenditure of more than 25 percent of funds authorized for OSC-I for fiscal year 2019 until the United States strategy on Iraq required by the Joint Explanatory Statement accompanying Conference Report 115-404 and an additional report on the activities, missions, and plan for the normalization of OSC-I to conform to other offices of security cooperation are delivered to the appropriate congressional committees.

The House recedes with a clarifying amendment.

The conferees note that an earlier transition plan submitted by the Secretary of Defense pursuant to the Joint Explanatory Statement accompanying the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) and subsequent documentation related to OSC-I in the President's Budget Request for Fiscal Year 2019 failed to provide the level of detail required for Congress to adequately consider this authority under the auspices of the Department of Defense.

*Modification to annual report on the military power of Iran  
(sec. 1236)*

The House bill contained a provision (sec. 1228) that would require the President to submit a report to the appropriate congressional committees not later than 120 days after the date of enactment of this Act, and annually thereafter for five years, on cooperation between Iran and the Russian Federation and the extent to which such cooperation affects United States interests, particularly with respect to Syria. The House bill contained an additional provision (sec. 1230E) that would require the Secretary of State, in consultation with the Director of National Intelligence, to submit to Congress not later than 90 days after the date of the enactment of this Act a report describing Iranian expenditures in the previous calendar year on military and terrorist activities outside the country.

The Senate amendment contained a similar provision (sec. 1225) that would amend section 1245 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84), as amended, to require an assessment of military cooperation and collaboration on the development of nuclear, biological, chemical, and advanced conventional weapons, weapons systems, and delivery vehicles between Iran and the Russian Federation and additional information on the Government of Iran's support to the Houthis.

The House recesses.

The conferees note that the Department of Defense's congressionally mandated annual report on the military power of Iran requires extensive reporting requirements on Iranian military activity. Therefore, the conferees encourage the Secretary of Defense to include detailed information in future reports on Russian and Iranian cooperation, particularly with respect to cooperation in Syria, assistance to the Assad regime, the establishment of forward operating bases, the deployment of air defense systems, and assistance to the Syrian chemical weapons program. The conferees also encourage the Secretary to include descriptions of any Russian and Iranian cooperation on: Iran's space program, including whether such cooperation strengthens Iran's ballistic missile program; intelligence sharing; naval cooperation; nuclear cooperation; the development and employment of hybrid warfare methods; and the activities of Iranian proxy forces such as Hezbollah.

*Strategy to counter destabilizing activities of Iran (sec. 1237)*

The House bill contained a provision (sec. 1225) that would authorize the Secretary of Defense, with the concurrence

of the Secretary of State, to develop and implement a strategy with foreign partners to counter the destabilizing activities of Iran. Furthermore, it would require the Secretary of Defense, in consultation with the Secretary of State, to submit a report to the appropriate congressional committees describing the strategy and actions to enhance multilateral coordination.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make a number of technical and clarifying changes.

The conferees note the importance of multilateral cooperation in the Middle East and encourage the Secretary of Defense to enhance cooperation and military-to-military engagement within multilateral fora when appropriate and practicable.

## **SUBTITLE D—MATTERS RELATING TO THE RUSSIAN FEDERATION**

*Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea (sec. 1241)*

The House amendment contained a provision (sec. 1231) that would extend by 1 year the prohibition imposed by section 1245 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), as amended by section 1232 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91). This section would prohibit the use of fiscal year 2019 funds to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea. This section would also allow the Secretary of Defense, in concurrence with the Secretary of State, to waive the prohibition if the Secretary determines that doing so would be in the national security interest of the United States and submits a notification to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives.

The Senate amendment contained a similar provision (sec. 1232) that would prohibit funds authorized to be appropriated or made available by this Act for fiscal year 2019 for the Department of Defense to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea.

The Senate recedes with an amendment that would require the Secretary of Defense, with the concurrence with Secretary of State, to provide a justification for seeking any waiver to the prohibition.

*Limitation on availability of funds relating to implementation of the Open Skies Treaty (sec. 1242)*

The House bill contained a provision (sec. 1232) that would prohibit obligation or expenditure of certain funds for fiscal year 2019 to modify any U.S. aircraft for the purposes of implementing the Open Skies Treaty until the President certifies that the United States has imposed legal countermeasures on the Russian Federation for its violation of that treaty. The provision would also prohibit the obligation or expenditure of any funds for fiscal year 2019 to vote to approve any implementing decision of the Open Skies Consultative Commission (OSCC) (pursuant to Article X of the treaty) that certifies infra-red or synthetic aperture radar sensors for any state party until a series of reports and certifications are met regarding U.S. Open Skies Treaty policy and Russian aggression, malign influence, and treaty violations. The provision would allow the President to waive these requirements, without delegation, if he determines that the waiver is in the interest of the national security of the United States and that the Russian Federation has taken clear and verifiable action to return to full and complete compliance with the treaty. Finally, the provision would also require a report from the Secretary of Defense on the state of the OC-135B fleet, including a recommendation on a prospective retirement date.

The Senate amendment contained a provision (sec. 1648) that would prohibit the obligation or expenditure of any funds for fiscal year 2019 for research, development, test, and engineering, Air Force, or aircraft procurement, Air Force, for the digital visual imaging system to modify U.S. aircraft for the purpose of implementing the Open Skies Treaty until the President and the Secretary of Defense submit the two certifications described in section 1235(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The Senate recedes with amendments that would modify the reporting requirements before a vote to approve certification of sensors in the OSCC; remove certification requirements related to Russian aggression and malign influence that are unrelated to treaty violations; modify the waiver requirements such that the President would have to certify that the Russian Federation has taken clear and verifiable action to return to compliance with the treaty; allow the President to delegate the waiver authority to the Secretary of State, in consultation with the Secretary of Defense and Director of National Intelligence; require these officials to submit a report to the appropriate congressional committees containing their views at least 30 days before

exercising the waiver; and strike the reporting requirement related to the OC-135B fleet.

The conferees direct the Secretary of Defense, in consultation with the Secretary of the Air Force, to submit a report to the congressional defense committees no later than January 31, 2019, on the Department of the Air Force's RC-135, WC-135, TC-135, and OC-135 aircraft fleets. The report should address issues for each aircraft fleet regarding airworthiness, safety of flight, aircraft availability and mission capability rates, sustainment, maintenance, and reliability. The report should also include a detailed description of the Secretary's acquisition strategy for recapitalizing each platform's capabilities, as well as the forecasted service-life expectancy dates for each variant of C-135 aircraft. In determining service-life expectancy dates, the Secretary should consider separately the structural integrity of the basic aircraft and the relevance and maintainability of the onboard mission systems to meet existing and evolving intelligence, surveillance, and reconnaissance requirements.

*Determination required regarding material breach of INF Treaty by the Russian Federation (sec. 1243)*

The House bill contained a provision (sec. 1239) that would provide that, unless the President certifies to the specified congressional committees that the Russian Federation has returned to full and verifiable compliance with the Intermediate-Range Nuclear Forces (INF) Treaty within 1 year of the date of the enactment of this Act, the prohibitions set forth in Article VI of the treaty would no longer be binding upon the United States as a matter of U.S. law.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead require the President to submit to the appropriate congressional committees no later than January 15, 2019, a determination whether the Russian Federation is in material breach of its obligations under the INF Treaty, and if the prohibitions set forth in Article VI of the INF Treaty remain binding on the United States as a matter of U.S. law.

*Comprehensive response to the Russian Federation's material breach of the INF Treaty (sec. 1244)*

The House bill contained a provision (sec. 1233) that would make a series of findings regarding the Russian Federation's violation of the Intermediate-Range Nuclear Forces (INF) Treaty and make a statement of policy that such violations

constitute material breach of the treaty and therefore the United States is legally entitled to suspend the operation of the treaty for so long as Russia remains in material breach. The provision would also prohibit the obligation or expenditure of 25 percent of funds authorized to be appropriated or otherwise made available to the Department of Defense for fiscal year 2019 to provide support services (other than those required for senior leader communications) to the Executive Office of the President until the President certifies that each requirement of section 1290 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) has been implemented and the President has submitted the report required by section 1244(c) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would remove the findings; change the statement of policy to a sense of the Congress; make a technical amendment; and remove the limitation on funding.

*Report on implementation of the New START Treaty (sec. 1245)*

The House bill contained a provision (sec. 1240) that would prohibit the expenditure of funds for the Department of Defense to extend the implementation of the New Strategic Arms Reduction Treaty (New START) until the President certifies that the President has raised the issue of certain new Russian nuclear weapons systems under Article V of New START and that the Russian Federation has responded in writing to the United States as to whether it will agree to declare such nuclear weapons systems pursuant to the treaty. Under the provision, the President would be required to notify the specified congressional committees on whether the Russian position threatens the viability of New START or requires a political, economic, or military response on the part of the United States.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the limitation on funds and modify the requirement to a report on whether the President has raised the issue of the covered Russian systems with the Russian Federation under Article V of New START or otherwise, and whether the government of the Russian Federation has responded as to whether it will agree to declare the covered Russian systems pursuant to the treaty. The provision would also require the President to notify the appropriate congressional committees as to whether the Russian response threatens the viability of New START; and to submit to the congressional defense committees a report assessing the

extent to which the Department of Defense and National Nuclear Security Administration have met the commitments regarding nuclear modernization and infrastructure recapitalization made in the resolution of ratification to accompany New START.

*Modification and extension of Ukraine Security Assistance Initiative (sec. 1246)*

The House bill contained a provision (sec. 1234) that would extend by 2 years, section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), most recently amended by section 1234 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), to authorize the Secretary of Defense to provide security assistance and intelligence support to the Government of Ukraine. The provision would authorize \$250.0 million to carry out this authority in fiscal year 2019, of which \$50.0 million would be available only for lethal assistance.

The Senate amendment contained a similar provision (sec. 1233) that would extend through December 31, 2021 the authority under section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) as amended by section 1234 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) for the Secretary of Defense, in coordination with the Secretary of State, to provide security assistance, including defensive lethal assistance, and intelligence support to military and other security forces of the Government of Ukraine. The provision would authorize the use of up to \$200.0 million in fiscal year 2019 to provide security assistance to Ukraine.

The Senate recedes with an amendment that would broaden the authority to provide training required to maintain and employ systems and capabilities provided through the Ukraine Security Assistance Initiative. The amendment would also make certain adjustments to the certification by the Secretary of Defense related to actions of the Government of Ukraine to make substantial defense institutional reforms, including the protection of proprietary or sensitive technologies as such technologies relate to foreign military sales or transfers.

*Extension of limitation on military cooperation between the United States and the Russian Federation (sec. 1247)*

The House bill contained a provision (sec. 1237) that would limit the use of fiscal year 2019 funds for bilateral military-to-military cooperation between the Government of the United States and the Russian Federation until the Secretary of

Defense, in coordination with the Secretary of State, provides a certification to appropriate congressional committees relating to certain actions by Russia. The provision would also allow the Secretary of Defense to waive the limitation under certain conditions.

The Senate amendment contained a similar provision (sec. 1231) that would also clarify that the limitation shall not be construed to limit bilateral military-to-military dialogue between the United States and the Russian Federation for the purposes of reducing the risk of conflict.

The House recesses.

*Sense of Congress on enhancing deterrence against Russian aggression in Europe (sec. 1248)*

The Senate amendment contained a provision (sec. 1235) that would express the sense of the Senate concerning the need for an integrated approach to strengthening the defense of allies and partners in Europe as a part of a broader strategy backed by all elements of United States power to deter and, if necessary, defeat aggression by the Russian Federation.

The House bill contained no similar provision.

The House recesses with an amendment that would state that in order to protect the security of the United States and fulfill the ironclad commitment of the United States to its obligations under the North Atlantic Treaty, it is the policy of the United States to pursue, in full coordination with the North Atlantic Treaty Organization (NATO), an integrated approach to strengthening the defense of allies and partners in Europe as part of a broader, long-term strategy backed by all elements of United States national power to deter and, if necessary, defeat Russian aggression. The amendment would also make a number of revisions related to specific actions the Secretary of Defense should take or consider in furtherance of such policy.

The conferees believe in that in order to strengthen the defense of allies and partners in Europe and deter Russian aggression, the Secretary of Defense, in coordination with the Secretary of State and in consultation with the Commander, United States European Command, should consider specific steps to improve United States combat capability and capacity in Europe, increase United States forward presence in Europe, maintain robust security assistance for allies and partners in Europe, promote reforms within NATO, and enhance multilateral security cooperation among United States allies and partners, including between NATO and the European Union.

## **SUBTITLE E—MATTERS RELATING TO THE INDO-PACIFIC REGION**

### *Name of United States Indo-Pacific Command (sec. 1251)*

The House bill contained a provision (sec. 1257) that would change the name of "United States Pacific Command" to "United States Indo-Pacific Command" beginning on January 1, 2020.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would change the name of "United States Pacific Command" to "United States Indo-Pacific Command" effective immediately.

The conferees note that changing the name of "United States Pacific Command" to "United States Indo-Pacific Command" may involve some necessary administrative expenditures. The conferees urge the Department of Defense to be prudent and minimize such costs to the extent practicable.

### *Redesignation, expansion, and extension of Southeast Asia Maritime Security Initiative (sec. 1252)*

The House bill contained a provision (sec. 1254) that would modify the Southeast Asia Maritime Security Initiative by amending the name to the Indo-Pacific Maritime Security Initiative. The provision would include India as a covered country, and allow for the inclusion of additional countries in the Indo-Pacific region if the Secretary of Defense, in concurrence with the Secretary of State, determines and certifies to the appropriate committees of Congress that it is important for increasing maritime security and maritime domain awareness. The provision would also extend the authority by 3 years from September 30, 2020, to September 30, 2023.

The Senate amendment contained a similar provision (sec. 1241) that would amend section 1263 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to: redesignate the Southeast Asia Maritime Security Initiative as the Indo-Pacific Maritime Security Initiative; add Bangladesh and Sri Lanka as recipient countries of assistance and training; add India as a covered country eligible for payment of certain incremental expenses; and extend the authority under the section through December 31, 2025.

The House recesses.

### *Redesignation and modification of sense of Congress and initiative for the Indo-Asia-Pacific region (sec. 1253)*

The House bill contained a provision (sec. 1251) that would require the Secretary of Defense, in consultation with the Secretary of State, to submit a requirement and resource plan to the appropriate congressional committees by March 1, 2019. The plan would require an analysis of the challenges faced by the United States to meet the objectives and activities outlined in the Indo-Pacific Stability Initiative to include resource requirements and additional authorities needed through fiscal year 2024 to address such challenges. The provision would also require the Secretary to submit budget materials in support of the President's budget request for fiscal year 2020.

The Senate amendment contained a similar provision (sec. 1244) that would amend section 1251 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) by redesignating the "Indo-Asia-Pacific Stability Initiative" as the "Indo-Pacific Stability Initiative" and making modifications to emphasize the initiative's alignment with the National Defense Strategy and its focus on minimizing the risk of executing the contingency plans of the Department of Defense. The provision would also require the Secretary of Defense, in consultation with the Commander, United States Pacific Command, to submit a future years plan on activities and resources of the initiative no later than March 1, 2019.

The House recesses with an amendment that would clarify that not later than March 1, 2019, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional committees a multi-year plan on activities and resources for the Indo-Pacific Stability Initiative. The conferees agreed that the Secretary of Defense shall include the plan and resources required in the budget materials in support of the President's budget for fiscal year 2020.

*Assessment of and report on geopolitical conditions in the Indo-Pacific region (sec. 1254)*

The Senate amendment contained a provision (sec. 1246) that would require, not later than 90 days after the date of the enactment of this Act, the Secretary of Defense to select and enter into an agreement with an entity independent of the Department of Defense to conduct an assessment of the geopolitical conditions in the Indo-Pacific region that are necessary for the successful implementation of the National Defense Strategy.

The House bill contained no similar provision.

The House recesses with an amendment that would require the assessment to address the geopolitical conditions in the Indo-

Pacific region, including any change in economic and political relations, that are necessary to support United States military requirements for forward defense, extensive forward basing, and alliance and partnership formation and strengthening.

*Sense of Congress on extended nuclear deterrence in the Indo-Pacific region (sec. 1255)*

The House bill contained a provision (sec. 1650) that would express the sense of Congress concerning the nuclear weapons program of the Democratic People's Republic of Korea and U.S. extended deterrence commitments to allies and partners in the Indo-Pacific region.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Reinstatement of reporting requirements with respect to United States-Hong Kong relations (sec. 1256)*

The House bill contained a provision (sec. 1265) that would reinstate certain reporting requirements with respect to United States-Hong Kong relations.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would clarify that the required report shall be submitted to the Committee on Foreign Relations and Committee on Armed Services of the Senate, and the Committee on Foreign Affairs and the Committee on Armed Services of the House of Representatives.

*Strengthening Taiwan's force readiness (sec. 1257)*

The House bill contained a provision (sec. 1253) that would direct the Secretary of Defense to conduct a comprehensive assessment, in consultation with appropriate counterparts of Taiwan, on ways to enhance and reform Taiwan's military forces, particularly Taiwan's reserve forces. The provision would also require that the assessment include recommendations to strengthen bilateral cooperation and improve Taiwan's self-defense capabilities. The provision would require the Secretary of Defense, in consultation with the Secretary of State, to submit a report on the assessment and a list of recommendations and planned actions to the appropriate congressional committees not later than 1 year after the date of the enactment of this Act.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Sense of Congress on Taiwan (sec. 1258)*

The Senate amendment contained a provision (sec. 1243) that would express the sense of the Senate on the importance of a strong U.S. defense relationship with Taiwan.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the provision expresses the sense of the Congress. The amendment would also clarify that the Secretary of Defense should promote Department of Defense policies concerning exchanges that enhance the security of Taiwan, including opportunities for practical training and military exercises with Taiwan.

*Prohibition on participation of the People's Republic of China in Rim of the Pacific (RIMPAC) naval exercises (sec. 1259)*

The Senate amendment contained a provision (sec. 1245) that would prohibit the Secretary of Defense from enabling or facilitating the participation of the People's Republic of China in any Rim of the Pacific (RIMPAC) naval exercise unless the Secretary certifies to the congressional defense committees that China has ceased all land reclamation activities in the South China Sea, removed all weapons from its land reclamation sites, and established a consistent 4-year track record of taking actions toward stabilizing the region.

The House bill contained no similar provision.

The House recedes with an amendment that would add a national security waiver to the certification requirements and a detailed justification for such waiver.

*Modification of annual report on military and security developments involving the People's Republic of China (sec. 1260)*

The House bill contained a provision (sec. 1298) that would amend paragraph (22) of section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106-65; 10 U.S.C. 113 note), to include activities in the South China Sea, the East China Sea, including in the vicinity of the Senkaku islands, and the Indian Ocean region.

The Senate amendment contained a provision (sec. 1242) that would that would amend section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106-65), and modify the annual report on military and security developments involving the People's Republic of China.

The House recedes with an amendment that would require the annual report to include an element regarding efforts by the People's Republic of China related to espionage and technology transfer. The amendment would also require an element regarding efforts by the Government of the People's Republic of China to use nonmilitary tools in other countries, including diplomacy and political coercion, information operations, and economic pressure, including predatory lending practices, to support its security and military objectives. The amendment would also strike an element.

*United States strategy on China (sec. 1261)*

The House bill contained a provision (sec. 1252) that would require the President to issue a strategy on the United States' whole-of-government approach to safeguard U.S. interests against Chinese industrial acquisitions, political influence, and regional and global military capabilities and presence that have defense and security implications for the United States and its allies and partners. The provision would require the strategy and recommendations for implementation to be submitted to the appropriate congressional committees as a written report not later than March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike certain elements of the required strategy.

*Report on military and coercive activities of the People's Republic of China in South China Sea (sec. 1262)*

The House bill contained a provision (sec. 1261) that would require Secretary of Defense, in consultation with the Director of National Intelligence and the Secretary of State, to submit a report to appropriate congressional committees on a quarterly basis describing China's activities in the Indo-Pacific region, and to disseminate the report to regional allies and partners and provide public notification, as appropriate. The provision would require that the dissemination and availability of the report and public notification be made in a manner consistent with national security and the protection of classified national security information.

The Senate amendment contained a similar provision (sec. 1251) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit to the congressional defense committees and release to the public, a report on the military and coercive activities of China in the South China Sea in connection with such activity immediately

after the commencement of any significant reclamation or militarization activity by the People's Republic of China in the South China Sea, including any significant military deployment or operation or infrastructure construction.

The House recedes with an amendment that would clarify that the required report shall be submitted to the congressional defense committees immediately after the commencement of any significant reclamation, assertion of an excessive territorial claim, or military activity by the People's Republic of China in the South China Sea.

The conferees are concerned that sufficient information has not been made publicly available in a timely fashion regarding China's reclamation and militarization activities in the South China Sea. Moreover, the conferees recognize that China has engaged in provocative military activities elsewhere throughout the Indo-Pacific Region, including the East China Sea, the Taiwan Strait, and the Indian Ocean. The conferees urge the Secretary of Defense to give full consideration to the strategic and public interest in selective declassification of China's activities in the South China Sea and elsewhere in the Indo-Pacific region.

*Requirement for critical languages and expertise in Chinese, Korean, Russian, Farsi, and Arabic (sec. 1263)*

The House bill contained a provision (sec. 1258) that would require the Secretary of Defense to submit to the congressional defense committees, not later than 180 days after the date of the enactment of this Act, a plan to address shortfalls in Chinese, Korean, and Russian language and expertise across the Department of Defense. The provision would require the Secretary of Defense to provide a near-term and long-term plan for how the Department is building competency in these critical areas.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Department of Defense to address Arabic and Farsi language and expertise in the required plan.

*Limitation on use of funds to reduce the total number of members of the Armed Forces serving on active duty who are deployed to the Republic of Korea (sec. 1264)*

The House amendment contained a provision (sec. 1263) that would limit the use of funds authorized to be appropriated by this Act to reduce the number of members of the Armed Forces serving on Active Duty in the Republic of Korea below 22,000

unless the Secretary of Defense provides a specified certification.

The Senate amendment contained a similar provision (sec. 1249) that would express the sense of the Senate regarding the alliance between the United States and the Republic of Korea, the importance of United States military forces on the Korean Peninsula for safeguarding peace and stability in the Indo-Pacific region, and other matters.

The Senate recedes with an amendment that would limit the use of funds authorized to be appropriated by this Act to reduce the number of members of the Armed Forces serving on Active Duty in the Republic of Korea below 22,000 unless the Secretary of Defense first provides certifies that (1) such a reduction is in the national security interest of the United States and will not significantly undermine the security of United States allies in the region; and (2) the Secretary has appropriately consulted with allies of the United States, including the Republic of Korea and Japan, regarding such a reduction.

The conferees recognize that United States military forces deployed on the Korean Peninsula remain vital to deterring, and if necessary, defeating aggression by the Democratic People's Republic of Korea, which continues to threaten the national security interests of the United States and the peace and stability of the Indo-Pacific region through both its conventional forces and weapons of mass destruction. While the conferees support diplomatic efforts to achieve the complete, verifiable, and irreversible denuclearization of the Democratic People's Republic of Korea, the conferees believe the significant removal of United States military forces from the Korean Peninsula is a non-negotiable item in such negotiations.

*Reports on nuclear capabilities of the Democratic People's Republic of Korea (sec. 1265)*

The Senate amendment contained the provision (sec. 1255) that would require, not later than 60 days after the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, to submit to the appropriate committees a report on the status of the nuclear program of the Democratic People's Republic of Korea (DPRK) to establish a baseline of progress for negotiations with respect to denuclearization. The provision would require, in the case of an agreement between the United States and the Democratic People's Republic of Korea, the Secretary of Defense to submit written updates and verification assessments to the required report.

The House bill contained no similar provision.

The House recesses with an amendment would require that the Secretary of Defense also coordinate with the Secretary of State and Secretary of Energy on the required reports. The amendment would clarify that the updates to the baseline report and the verification assessment shall only be required in the event of an interim or final agreement between the United States and the DPRK with respect to the denuclearization of the DPRK that includes a commitment by the DPRK to (1) reduce the nuclear arsenal of the DPRK or (2) to otherwise discontinue, reduce, or suspend the nuclear program of the DPRK. The amendment would also add a reporting requirement related to other weapons of mass destruction, including chemical and biological weapons, of the DPRK.

*Modification of report required under enhancing defense and security cooperation with India (sec. 1266)*

The House bill contained a provision (sec. 1259) that would amend subsection (a)(2) of section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (114-328) by adding an additional reporting requirement. The new reporting requirement would include a description of the progress on enabling agreements between the United States and the Republic of India, any limitations that hinder or slow progress, measures to improve interoperability, and actions India is taking, or the Secretary of Defense or the Secretary of State believe India should take, to advance the relationship with the United States. The House bill also contained a provision (sec. 1264) that would amend section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) by including a reporting requirement to develop closer defense cooperation with India on matters relating to missile defense.

The Senate amendment contained a provision (sec. 1247) that would express the sense of the Senate that the United States should strengthen and enhance its major defense partnership with India and work toward mutual security objectives.

The Senate recesses with amendment that would amend section 1259 of the House bill to require the Secretary of Defense and Secretary of State to include a forward-looking strategy and specific benchmarks for measurable progress toward enhancing United States defense cooperation with India and India's status as a major defense partner. The provision would also strike section 1264 of the House bill and section 1247 of the Senate amendment.

The conferees believe that the United States should strengthen and enhance its major defense partnership with India

and such a partnership should enable strategic, operational, and tactical coordination between our militaries and be jointly developed between the countries. The conferees also believe that the United States should work toward mutual security objectives by: (1) expanding engagement in multilateral frameworks, including the Quadrilateral Dialogue between the United States, India, Japan, and Australia, to promote regional security and defend shared values and common interests in the rules-based order; (2) exploring additional steps to implement the "major defense partner" designation to better facilitate military interoperability, information sharing, and appropriate technology transfers; (3) pursuing strategic initiatives to help develop India's defense capabilities, including maritime security capabilities; (4) improving cooperation on and coordination of humanitarian and disaster relief responses; (5) conducting additional joint exercises with India in the Persian Gulf, the Indian Ocean region, and the Western Pacific; and (6) furthering cooperative efforts to promote security and stability in Afghanistan.

## **SUBTITLE F—REPORTS AND OTHER MATTERS**

*Modification of authorities related to acquisition and cross-servicing agreements (sec. 1271)*

The House bill contained a provision (sec. 1281) that would require the Secretary of Defense to submit to the congressional defense committees a report 30 days after entering into a cross-servicing agreement under section 2342 of title 10, United States Code, with a country or organization described in subsection (a)(1) of such section, and every 180 days thereafter for such period of time as the agreement remains in effect. The reports would include a detailed description of rationale, terms, and execution of such agreements.

The Senate amendment contained a similar provision (sec. 1261) that would prohibit the Secretary of Defense from facilitating the transfer of logistic support, supplies, and services to any country or organization with which the Secretary has not signed an acquisition or cross-servicing agreement. Additionally, the provision would require the Secretary to submit a detailed report on acquisition and cross-servicing agreements to the congressional defense committees not later than January 15 of each year.

The House recesses.

*United States-Israel countering unmanned aerial systems cooperation (sec. 1272)*

The House bill contained a provision (sec. 1276) that would modify section 1279 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to authorize establishment of a cooperative research and development program with the State of Israel to develop capabilities for countering unmanned aerial systems through modification of the existing memorandum of agreement between the United States and Israel for anti-tunneling defense capabilities or through a new memorandum of agreement.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would provide that none of the funds authorized to be appropriated or otherwise made available by this Act to carry out the authority granted may be obligated or expended until the date that is 15 days after the date on which the Secretary of Defense submits a report describing the cooperation of the United States with Israel with respect to countering unmanned aerial systems pursuant to the authority granted that includes the following: (1) an identification of specific capability gaps of the United States and Israel with respect to countering unmanned aerial systems; (2) an identification of cooperative projects that would address those capability gaps and mutually benefit and strengthen the security of the United States and Israel; (3) an assessment of the projected cost for research and development efforts for such cooperative projects, including an identification of those to be conducted in the United States, and the timeline for the completion of each such project; (4) the extent to which the capability gaps of the United States identified are not likely to be addressed through the cooperative projects identified; and (5) an assessment of the projected costs for procurement and fielding of any capabilities developed jointly pursuant to the authority granted. The amendment would require that the report be submitted to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives.

*Enhancement of U.S.-Israel defense cooperation (sec. 1273)*

The Senate amendment contained a provision (sec. 1265) that would amend section 12001(d) of the Department of Defense Appropriations Act, 2005 (Public Law 108-287) to extend the authority for the War Reserves Stockpile Ammunition-Israel through September 30, 2023. The provision would also authorize the President, acting through the Secretary of State and the Secretary of Defense, to conduct a joint assessment of the quantity of precision guided munitions necessary for Israel to

counter regional threats. The provision would also amend the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107-314) to require the Secretary of Defense to prescribe procedures for the rapid acquisition and deployment of supplies and associated support services urgently needed to support production of precision guided munitions.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the matters to be described in the joint assessment concerning precision guided munitions, including requiring a description of the current United States inventory of the precision guided munitions assessed and whether such inventory meets the United States total munitions requirement. The amendment would also strike the modified requirement for the establishment and prescription of procedures related to rapid acquisition of precision guided munitions.

*Review to determine whether the Armed Forces or coalition partners of the United States violated Federal law or Department of Defense policy while conducting operations in Yemen (sec. 1274)*

The House bill contained a provision (sec. 1299K) that would direct the Secretary of Defense to conduct an investigation to determine if coalition partners of the United States or members of the Armed Forces or intelligence personnel violated Federal law, the laws of armed conflict, or Department of Defense policy while conducting operations in Yemen.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require a review of the United States Armed Forces and coalition partners conducting operations in Yemen along with a report on the Department of Defense's policies related to the detention operations of allies and partners whose military operations the United States supports.

*Report on United States Government security cooperation and assistance programs with Mexico (sec. 1275)*

The House bill contained a provision (sec. 1273) that would require the President to submit to the appropriate congressional committees not later than July 1, 2019, a report on United States police training and equipping programs with the Government of Mexico.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the report to focus on the broader United States security

cooperation and security assistance enterprise in Mexico, including programs related to the Mexican Armed Forces, and would require the Secretary of Defense and Secretary of State to deliver the report, among other technical, clarifying changes.

*Report on Department of Defense missions, operations, and activities in Niger (sec. 1276)*

The House bill contained a provision (sec. 1299F) that would require, not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation as appropriate with the Secretary of State, to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the missions, operations, and activities of the Department in Niger and the broader region.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require, not later than 180 days after the date of enactment of this Act, the Secretary of Defense, in consultation as appropriate with the Secretary of State, to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the missions, operations, and activities of the Department in Niger.

*Report on the security relationship between the United States and the Republic of Cyprus (sec. 1277)*

The Senate amendment contained a provision (sec. 6206) that would require a report on the current impact of the United States arms embargo on the Republic of Cyprus.

The House bill contained no similar provision.

The House recedes with an amendment that would broaden the required report to address the security relationship between the United States and the Republic of Cyprus.

*Sense of Congress detention of United States citizens by the Government of the Republic of Turkey (sec. 1278)*

The Senate amendment contained a provision (sec. 1269) that would make a series of findings, including concerning the Government of the Republic of Turkey's unlawful and wrongful detention of Andrew Brunson, a United States citizen. The provision would also prohibit the transfer of title for any F-35 aircraft to the Government of the Republic of Turkey until such

time as the Secretary of Defense submits to the appropriate congressional committees a plan to remove the Government of the Republic of Turkey from participation in the F-35 program, to include industrial and military aspects of the program.

The Senate amendment also contained a related provision (sec. 6204) that would clarify that the limitation on the transfer of F-35 aircraft to Turkey in section 1269 of the Senate amendment shall apply to the transfer or delivery of that aircraft to Turkey rather than to the transfer of title for that aircraft to Turkey.

The House bill contained no similar provision.

The House recesses with an amendment that would strike section 6204 of the Senate amendment, strike elements of the section 1269 of the Senate amendment related to the F-35 program, and express the sense of the Congress that (1) the Government of the Republic of Turkey continues to unlawfully and wrongfully detain United States citizens, including Andrew Brunson and Serkan Golge, as well as staff of United States missions in Turkey; and (2) consistent with its obligations under the North Atlantic Treaty, which commits NATO allies to safeguard "the principles of democracy, individual liberty and the rule of law," the Government of the Republic of Turkey should immediately release all United States citizens that have been wrongfully detained and resolve such cases in a timely, fair, and transparent manner.

The conferees note that an assessment of a significant change in Turkish participation in the F-35 program, including a reduction or elimination of such participation, as well as a limitation on the delivery of F-35 aircraft to the Republic of Turkey, are addressed elsewhere in this report.

*Technical amendments related to NATO Support and Procurement Organization and related NATO agreements (sec. 1279)*

The House bill contained a provision (sec. 1278) that would amend section 2350d of title 10, United States Code, to update the statutory reference to reflect a reorganization of the North Atlantic Treaty Organization (NATO) with respect to the elimination of the NATO Support Organization and the establishment of the NATO Support and Procurement Organization. The provision would also amend section 2350d to reflect that NATO supply and logistics support activities may extend to NATO operations outside of Europe.

The Senate amendment contained a similar provision (sec. 1236).

The House recesses.

*Report on permanent stationing of United States forces in the Republic of Poland (sec. 1280)*

The Senate amendment contained a provision (sec. 1254) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit to the congressional defense committees a report on the feasibility and advisability of permanently stationing United States forces in the Republic of Poland. Specifically, the provision would require an assessment of the types of permanently stationed United States forces in Poland required to deter aggression by the Russian Federation and execute Department of Defense contingency plans, including combat enabler units. The provision would also require a detailed assessment of the feasibility and advisability of permanently stationing a United States Army brigade combat team in Poland.

The House bill contained no similar provision.

The House recesses.

*Report on strengthening NATO cyber defense (sec. 1281)*

The Senate amendment contained a provision (sec. 6603) that would express the sense of the Senate regarding Department of Defense cyber cooperation with the North Atlantic Treaty Organization (NATO) and would require the Secretary of Defense to submit to the congressional defense committees a report detailing the Department's efforts to enhance the United States' leadership in and collaboration with NATO in the development of a comprehensive, cross-domain strategy to build cyber-defense capacity and deter cyber attacks among member countries.

The House bill contained no similar provision.

The House recesses with an amendment that would strike the sense of the Senate.

The conferees believe that the Department of Defense should continue to cooperate with NATO and key NATO allies in order to promote the common defense in the cyberspace domain as well as to deter cyberattacks.

*Report on status of the United States relationship with the Republic of Turkey (sec. 1282)*

The House bill contained a provision (sec. 1271) that would require the Secretary of Defense, in consultation with the Secretary of State, to submit a report on the U.S.-Turkish relationship to the congressional defense committees, the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives, not later

than 60 days after the date of the enactment of this Act. The provision would also prohibit any action to execute delivery of a foreign military sale for major defense equipment under section 36 of the Arms Export Control Act (22 U.S.C. 2761) to the Republic of Turkey until the required report is delivered to the specified congressional committees.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the report on the U.S.-Turkish relationship to be delivered not later than 90 days after the enactment of this Act. The amendment would add to the matters to be included in the required report an assessment of the operational and counterintelligence risks posed by the deployment of the S-400 air and missile defense system in the Republic of Turkey to the F-35 Lightning II Joint Strike aircraft and the steps required to mitigate those risks, if possible. The amendment would also add an assessment of the Republic of Turkey's participation in the F-35 program, including a description of industrial participation of Turkish industry in the manufacturing and assembly of the F-35 program; an assessment of tooling and other manufacturing materials held by Turkish industry; and an assessment of the impacts of a significant change in participation by the Republic of Turkey in the F-35 program and the steps that would be required to mitigate negative impacts of such a change on the United States and other international program partners. The amendment would prohibit the Department of Defense from delivering any F-35 aircraft to the Republic of Turkey until such time as the required report has been submitted.

The conferees recognize Turkey is an important international partner in the F-35 program, and that any significant change in Turkish participation could have substantial impacts on the program. However, Turkey's expressed intention to purchase the S-400 air and missile defense system from Russia raises serious concerns regarding Turkey's participation in the F-35 program. Moreover, such a purchase would have significant ramifications for the broader U.S.-Turkey relationship and defense cooperation, including the possibility of sanctions. Therefore, the conferees believe the Department of Defense should be prepared for all potential outcomes that would result if Turkey completes a purchase of the S-400 by conducting the assessment required of a significant change in Turkish participation in the F-35 program, including a reduction or elimination of such participation.

*Sense of the Congress concerning military-to-military dialogues  
(sec. 1283)*

The House bill contained a provision (sec. 1279) that would express the sense of Congress regarding the parameters that lead to successful military-to-military dialogues.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Modifications to Global Engagement Center (sec. 1284)*

The House bill contained a provision (sec. 1280) that would modify section 1287 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) relating to the Global Engagement Center (GEC).

The Senate amendment contained a provision (sec. 1262) that would extend for one year the transfer authority contained in section 1287(e)(1) of the National Defense Authorization Act for Fiscal Year 2017 relating to the GEC, and clarify the role, responsibilities and authorities of the GEC.

The Senate recesses with a clarifying amendment.

The conferees strongly support the mission of the GEC to counter false and misleading messaging by both state and non-state adversaries and note the importance of integrating military and nonmilitary tools of statecraft to address these challenges. The conferees believe continuation of the transfer authority provided by this provision helps to facilitate such a whole-of-government approach.

The conferees note that the Department of Defense (DOD) and the Department of State (DOS) signed a memorandum of understanding on February 26, 2018, to facilitate the transfer of \$40.0 million for the purposes of countering propaganda and disinformation from foreign nations, more than a year after such transfers were authorized by the National Defense Authorization Act for Fiscal Year 2017 and after the Intelligence Community publicly reported Russian efforts to influence the 2016 elections. The conferees have significant concern about delayed action on these issues in the face of a significant and growing threat from Russia. The conferees strongly encourage DOD and DOS to fully utilize the authorities that have been provided to more aggressively counter propaganda by Russia and other state and non-state actors, and urge the Department to be more expeditious in the transfer of funds to the GEC for future projects.

*Sense of Congress on countering hybrid threats and malign influence (sec. 1285)*

The House bill contained a provision (sec. 1297) that would express the sense of the Congress that the United States

should work with its partners and allies to build resilience against Russian malign influence operations.

The Senate amendment contained a similar provision (sec. 1238) that would request the Secretaries of the Defense and State Departments to urgently complete a strategy to counter Russian malign influence.

The Senate recedes with an amendment that would call on the Secretary of Defense and the Secretary of State to urgently prioritize submission of the report required by section 1239A(d) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91; 131 Stat. 1671) on a comprehensive strategy to counter malign activities of Russia.

*Initiative to support protection of national security academic researchers from undue influence and other security threats (sec. 1286)*

The House bill contained a provision (sec. 1283) that would require the Secretary of Defense to implement an application certification requirement for researchers seeking funding to ensure that funds not be made available to any individual who has participated in or is currently participating in a foreign talent program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would replace the certification requirement with a directive to the Secretary of Defense to establish an initiative to support the protection of national security academic researchers from undue influence, including through foreign talent programs, and other security threats, by developing policies, training, and regulations and procedures with academic organizations to support the goals of this initiative.

The conferees believe that such an initiative will help support the protection of intellectual property, controlled information, key personnel, and information about critical technologies relevant to national security; protect academic freedom and global scientific collaboration; limit undue influences by countries seeking to exploit United States technology within the Department of Defense research; and support efforts toward the development of domestic talent in relevant scientific and engineering fields.

*Report on Honduras, Guatemala, and El Salvador (sec. 1287)*

The House bill contained a provision (sec. 1299H) that would direct the Secretary of Defense, in coordination with the Director of National Intelligence, to submit to the

congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report regarding narcotics trafficking corruption and illicit campaign finance in Honduras, Guatemala, and El Salvador not later than 180 days after the enactment of this Act.

The Senate amendment contained an identical provision (sec. 6205).

The House recedes with an amendment that would direct the Secretary of State, in coordination with the Secretary of Defense and other appropriate officials, to submit the report, rather than the Secretary of Defense and the Director of National Intelligence.

*Modification of freedom of navigation reporting requirements (sec. 1288)*

The House bill contained a provision (sec. 1289) that would amend section 1275 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), as amended by section 1262(a)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), to add the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives as recipients of the annual report setting forth an update of the most current Department of Defense Freedom of Navigation Report under the Freedom of Navigation Operations (FONOPS) program.

The Senate amendment contained no similar provision.  
The Senate recedes.

*Coordination of efforts to negotiate free trade agreements with certain sub-Saharan African countries (sec. 1289)*

The Senate amendment contained a provision (sec. 6201) that would require the Chief Executive Officer of the Millennium Challenge Corporation to consult and coordinate with the United States Trade Representative and the Administrator of the United States Agency for International Development for the purpose of developing and carrying out the plan required by section 116(b) of the African Growth and Opportunity Act under section 3723(b) of title 19, United States Code.

The House bill contained no similar provision.

The House recedes with an amendment that would modify section 1293 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 19 U.S.C. 3723 note) to require the United States Trade Representative to consult and coordinate with the Millennium Challenge Corporation and the

United States Agency for International Development in specified circumstances.

*Certifications regarding actions by Saudi Arabia and the United Arab Emirates in Yemen (sec. 1290)*

The Senate amendment included a provision (sec. 1266) that would prohibit the expenditure of funds to provide authorized in-flight refueling to Saudi or Saudi-led coalition non-United States aircraft conducting missions in Yemen, pending certifications by the Secretary of State that the Government of Saudi Arabia is taking certain actions related to the civil war in Yemen. The provision would include several exceptions and a national security waiver that may be exercised by the Secretary of State.

The House bill contained no such provision.

The House recesses with an amendment that would require the certification on actions undertaken by the United Arab Emirates in addition to Saudi Arabia.

*Treatment of Rwandan Patriotic Front and Rwandan Patriotic Army under Immigration and Nationality Act (sec. 1291)*

The Senate amendment contained a provision (sec. 6202) that would exclude the Rwandan Patriotic Front and the Rwandan Patriotic Army from the definition of terrorist organization under specified sections of the Immigration and Nationality Act (8 U.S.C. 1182(a)(3)(B)(vi)(III)) for any period before August 1, 1994.

The House bill contained no similar provision.

The House recesses with a clarifying amendment.

*Limitation on availability of funds to implement the Arms Trade Treaty (sec. 1292)*

The House bill contained a provision (sec. 1299M) that would prohibit the availability of funds for fiscal year 2019 for the Department of Defense to obligate or expend to fund a Secretariat or any other international organization established to support the implementation of the Arms Trade Treaty, to sustain domestic prosecutions based on any charge related to the Treaty, or to implement the Treaty until the Senate approves a resolution of ratification for the Treaty and implementing legislation for the Treaty has been enacted into law.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would prohibit the use of any funds authorized to be appropriated by this act

or otherwise made available for fiscal year 2019 for the Department of Defense to implement the Arms Trade Treaty, or to make any change to existing programs, projects, or activities as approved by Congress in furtherance of, pursuant to, or otherwise to implement such Treaty, unless the Treaty has received the advice and consent of the Senate and has been the subject of implementing legislation, as required by Congress.

*Prohibition on provision of weapons and other forms of support to certain organizations (sec. 1293)*

The House bill contained a provision (sec. 1282) that would prohibit the use of funds authorized to be appropriated by this Act to the Department of Defense for fiscal year 2019 to provide weapons to a number of specified terrorist organizations and any other entity that the Secretary of Defense determines may trade or sell arms to terrorist organizations.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

*Modified waiver authority for certain sanctionable transactions under section 231 of the Countering America's Adversaries Through Sanctions Act (sec. 1294)*

The House bill contained a provision (sec. 1236) that would require reports with regard to Russian violations of the INF Treaty and the supply chains for Russian arms sales program. The provision would also require the imposition of sanctions against specific persons, with a focus on persons providing support to the Russian defense industrial supply chain. The provision would also amend section 231 of the Countering America's Adversaries Through Sanctions Act (CAATSA) (Public Law 115-44) by providing an authority to suspend the imposition of sanctions under that Act for 180-day periods if the President provides certain certifications.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would provide a modified procedure by which the President may use the existing authority under section 236(b) of CAATSA, without regard to the expedited review procedures in section 216 of CAATSA, to waive the application of sanctions if the President provides a certification to the appropriate congressional committees not less than 30 days in advance of the waiver taking effect. The amendment would preclude the President from using the waiver with respect to a significant transaction with specified entities of the Russian defense or intelligence sectors, including the Main Intelligence Agency of the General Staff of

the Armed Forces of the Russian Federation (GRU), which the United States intelligence community assessed on January 6, 2017, played a direct role in Russian interference in the 2016 United States presidential election. The President would be required to certify that the waiver is in the national security interests of the United States. The President would also be required to certify that the significant transaction for which the waiver is being used would not: (1) endanger the integrity of any multilateral alliance of which the United States is a part; (2) adversely affect ongoing operations of the Armed Forces of the United States, including coalition operations in which the such forces participate; (3) result in a significant negative impact to defense cooperation between the United States and the country whose government has primary jurisdiction over the person; and (4) significantly increase the risk of compromising United States defense systems and operational capabilities, including through the diversion of United States sensitive technology. The President would be further required to certify that the government with primary jurisdiction over the person who engages in the significant transaction is: (1) taking or will take steps to reduce its inventory of major defense equipment and advanced conventional weapons produced by the defense sector of the Russian Federation as a share of its total inventory of major defense equipment and advanced conventional weapons over a specified period; or cooperating with the United States Government on other matters that are critical to United States strategic national security interests.

Not later than 120 days after the date on which the President submits the specified certification, and annually thereafter for two years, the amendment would require the Secretary of State and the Secretary of Defense to jointly submit a report on such waiver, including: (1) the extent to which the waiver under section 236(b) has or has not resulted in the compromise of United States systems and operational capabilities, including through the diversion of United States sensitive technology to a person that is part of, or operates for or on behalf of, the intelligence sectors of the Government of the Russian Federation; and (2) the extent to which the government with primary jurisdiction over the person is taking specific enforcement actions.

Not later than 90 days after the date of the enactment of this Act, the amendment would require the President to submit an initial report that describes those persons that the President has determined under section 231 of CAATSA have knowingly engaged in a significant transaction with a person that is part of, or operates for or on behalf of, the defense or intelligence sectors of the Government of the Russian Federation. The

amendment would also require updates every 90 days thereafter for a period of 5 years.

The amendment would clarify that nothing in its contents would modify, waive, or terminate any existing sanctions in effect on the date of enactment of this Act.

*Rule of construction relating to the use of force (sec. 1295)*

The House bill contained three provisions (sec. 1230A, sec. 1267, and sec. 1288) providing a rule of construction that nothing in this Act may be construed as authorizing the use of force against Iran or North Korea.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

**LEGISLATIVE PROVISIONS NOT ADOPTED**

*NATO Strategic Communications Center of Excellence*

The House bill contained a provision (sec. 1203) that would authorize the Secretary of Defense to provide funds for fiscal year 2019 for the purposes of supporting the NATO Strategic Communications Center of Excellence, and would direct the Secretary of Defense to assign executive agent responsibilities to an appropriate organization within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

*NATO Cooperative Cyber Defense Center of Excellence*

The House bill contained a provision (sec. 1204) that would authorize the Secretary of Defense to provide funds for fiscal year 2019 for the purposes of supporting the NATO Cooperative Cyber Defense Center of Excellence, and would direct the Secretary of Defense to assign executive agent responsibilities to an appropriate organization within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

*Report on security cooperation with Haiti*

The House bill contained a provision (sec. 1207) that would require the Secretary of Defense to submit to the appropriate congressional committees not later than 90 days after the date of the enactment of this Act, and every 180 days

thereafter for three years, a report on cooperation between the Department of Defense and the Government of Haiti.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Secretary of Defense and the Secretary of State to provide a briefing not later than 120 days after the date of the enactment of this Act to the congressional defense committees, the House Committee on Foreign Affairs, and the Senate Committee on Foreign Relations on security cooperation programs between the United States and Government of Haiti. The briefing should include the following elements:

(1) An overview of all United States security cooperation and assistance programs in Haiti, including descriptions of the purpose, objectives, and type of training, equipment, or assistance provided, the lead agency with responsibility for each such program, and how such programs advance the national security interests of the United States;

(2) A description of the cost, scope, size, and components of such programs for fiscal years 2017 and 2018, including for each such program the following:

(a) The purpose and objectives of the program;

(b) The authority or authorities under which the program is conducted;

(c) The types of units receiving assistance, including components of the Armed Forces of Haiti;

(d) The funding and personnel levels for the program in each such fiscal year, future year costs, including sustainment costs, over the next five fiscal years, and any required increases of capacity to support the program, as appropriate; and

(3) Any other matters determined appropriate by the Secretary of Defense and Secretary of State.

#### *Report on allied contributions to the common defense*

The House bill contained a provision (sec. 1209) that would require the Secretary of Defense to submit a report to certain congressional committees on annual defense spending by United States allies and partners.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that contributions to common security by United States allies and partners are addressed elsewhere in this report.

#### *Enhanced military activities*

The House bill contained a provision (sec. 1210) that would require the Secretary of Defense to seek opportunities to conduct certain North Atlantic Treaty Organization (NATO) naval exercises. The provision would also authorize the Secretary of Defense, in coordination with the Secretary of State, to conduct joint research projects with NATO allies for certain purposes.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that enhanced military activities of the United States with NATO allies are addressed elsewhere in this report.

*Report on security cooperation programs and activities of the Department of Defense in certain foreign countries*

The House bill contained a provision (sec. 1210A) that would require a report on security cooperation programs and activities of the Department of Defense in Afghanistan, Iraq, Yemen, Nigeria, Mali, Chad, Somalia, and the Philippines, that were carried out at any time during the period beginning on September 11, 2001, and ending on the date of enactment of this Act.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that elsewhere in this Act is a provision that addresses the importance of a rigorous assessment, monitoring, and evaluation regime of the Department's security cooperation programs and activities and the importance of incorporating lessons learned to increase the effectiveness of future security cooperation programs.

*Report on assistance to Pakistan*

The House bill contained a provision (sec. 1214) that would require the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act describing the manner in which the Department provides assistance to the Government of Pakistan.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Department to provide a report to the congressional defense committees on the assistance provided to Pakistan no later than January 1, 2019. Topics to be covered in the report shall include, but are not limited to, the fiscal authorities used to provide assistance to Pakistan as well as the amounts provided under each authority for fiscal years 2016, 2017, and 2018, a detailed description of the main lines of

effort as well as the measures of effectiveness and measures of performance associated with each line of effort, and an articulation of the desired outcomes associated with any assistance provided. It is expected that the Department's report will be made at the unclassified level and may include a classified annex.

*Sense of Congress relating to Dr. Shakil Afridi*

The House bill contained a provision (sec. 1215) that would state that it is the sense of Congress that Dr. Shakil Afridi is an international hero and that the Government of Pakistan should release him immediately from prison.

The Senate amendment contained no similar provision.  
The House recedes.

The conferees note the contributions of Dr. Afridi to efforts to locate Osama bin Laden, remain concerned about Dr. Afridi's continuing incarceration, and urge the Government of Pakistan to release him immediately.

*Sense of Congress on ballistic missile cooperation to counter Iran*

The House bill contained a provision (sec. 1224) that would offer a number of findings concerning the importance of ballistic missile defense cooperation to counter Iran and express the sense of Congress that member countries of the Gulf Cooperation Council (GCC) should engage in such cooperation with the support of the United States.

The Senate amendment contained no similar provision.  
The House recedes.

The conferees recognize the importance of ballistic missile defense cooperation in the Middle East, particularly among the member countries of the GCC given Iran's ballistic missile program and its broader destabilizing actions in the region. The conferees encourage the countries of the GCC to take meaningful steps to develop and implement an interoperable ballistic missile defense architecture to defend against the Iranian ballistic missile threat that emphasizes information sharing and includes early warning and tracking data. Furthermore, the conferees support continued bilateral and multilateral missile defense exercises between the United States and its partners in the region and encourage increasing the capacity of those partners through foreign military sales as appropriate and practicable.

*Syria Study Group*

The Senate amendment contained a provision (sec. 1224) that would establish a Syria Study Group tasked with providing a report with findings and recommendations on the military and diplomatic strategy of the United States with respect to the conflict in Syria.

The House bill contained no such provision.

The Senate recesses.

*Report on compliance of Iran under the Chemical Weapons Convention*

The House bill contained a provision (sec. 1226) that would require the Secretary of State and Secretary of Defense to submit a report to the appropriate committees of Congress on the extent to which Iran is complying with its obligations under the Chemical Weapons Convention.

The Senate amendment contained no such provision.

The House recesses.

The conferees direct the Secretary of Defense and Secretary of State to submit a report not later than February 1, 2019, to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House on the extent to which Iran is complying with its obligations under the Chemical Weapons Convention that includes the following elements:

(1) A description, assessment, and verification, to the extent practicable, of any credible information that Iran has assisted the Government of Syria in committing actions that violate the convention;

(2) A description of any dual-use technologies sought by Iran that could advance Iran's capability to produce chemical weapons for offensive use;

(3) The implications of any activities or technologies described in the elements above for Iran's compliance with international obligations relating to nonproliferation; and

(4) Any other matters the Secretaries determine to be relevant.

The report shall be submitted in unclassified form, but may include a classified annex.

*Report on potential release of chemical weapons or chemical weapons precursors from Barzeh Research and Development Center and Him Shinshar chemical weapons storage and bunker facilities in Homs province of Syria*

The House bill contained a provision (sec. 1227) that would require the Secretary of Defense to submit a report to the congressional defense committees not later than 30 days after the date of the enactment of this Act that contains a review and analysis of the potential for the release of chemical weapons or chemical weapons precursors from two facilities in Syria that were targets of strikes by the United States and partner forces on April 13, 2018.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to provide a briefing to the congressional defense committees not later than 90 days after the date of the enactment of this Act on the potential for release of chemical weapons or chemical weapons precursors from the two facilities in question, the Barzeh Research and Development Center and the Him Shinshar chemical weapons storage and bunker facilities in Homs province of Syria that were targets of strikes by the United States and partner forces on April 13, 2018. The briefing should include an assessment of the methodology the Secretary of Defense used prior to such strikes to determine the potential of the release of chemical agents or chemical weapons precursors affecting local residents and the potential for chemical agents to enter into the aquifer, air, soil, or other aspects of the environment.

#### *Report on Iranian support of proxy forces in Syria and Lebanon*

The House bill contained a provision (sec. 1229) that would require the President to submit to Congress not later than 180 days after the date of the enactment of this Act a report that describes the Government of Iran's support of proxy forces in Syria and Lebanon and assesses the resulting threat posed to Israel, other regional allies of the United States, and the interests of the United States.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the Department of Defense's congressionally mandated annual report on the military power of Iran already requires information on support from Iran to groups designated by the United States as foreign terrorist organizations and regional militant groups, including forces that are willing to carry out operations on behalf of Iran. The conferees encourage the Secretary of Defense to include detailed information in future reports regarding: the regional threats posed by arms or related material transferred by Iran to Hezbollah; the means by which such arms transfers are made; and

the impacts of Iranian and Iranian-controlled personnel, including Hezbollah, Shiite militias, and Iran's Revolutionary Guard Corps forces, operating within Syria. The conferees also note that, elsewhere in this report, the conferees direct the Secretary of Defense, in consultation with the Secretary of State and other appropriate officials, to submit to the appropriate congressional committees a report specific to Hezbollah.

*Sense of Congress on the lack of authorization for the use of the Armed Forces against Iran*

The House bill contained a provision (sec. 1230) that would express the sense of Congress that the use of the Armed Forces against Iran is not authorized by this Act or any other Act.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that nothing in this Act may be construed to authorize the use of the Armed Forces of the United States against Iran. At the time of the signing of this report, the conferees are not aware of any information that would justify the use of military force against Iran under any other statutory authority.

*Afghanistan security*

The House bill contained a provision (sec. 1230B) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit a report on the progress made by the Government of Afghanistan in achieving the security-sector benchmarks as outlined by the United States-Afghan Compact.

The Senate amendment contained no similar provision.

The House recesses.

The conferees welcome the introduction of the bilateral U.S.-Afghanistan Compact, and the focus on the four pillars of governance, economics, peace and reconciliation, and security. However, the conferees are disappointed by the lack of transparency provided by the Department of Defense and the Department of State on the central tenants of the Compact and the associated benchmarks. The conferees note that further detail on the Compact and its security-sector benchmarks is required elsewhere in this report.

*Sense of Congress on ballistic missile program of Iran*

The House bill contained a provision (sec. 1230C) that would express the sense of Congress that the ballistic missile program of Iran represents a serious threat to the allies of the United States in the Middle East and Europe, members of the Armed Forces deployed in those regions, and ultimately the United States. It would also express the sense of Congress that the Government of the United States should impose tough primary and secondary sanctions against institutions and persons that directly or indirectly support the program.

The Senate amendment contained no similar provision.

The House recesses.

The conferees remain deeply concerned by Iran's ballistic missile program, which poses a significant threat to regional stability and United States interests. Iran's testing and production of ballistic missiles capable of delivering nuclear weapons violates multiple unanimously adopted United Nations Security Council resolutions. To address this threat, the conferees believe existing unilateral and multilateral sanctions should be fully utilized to help deny support to the Iranian ballistic missile program and that the United States should continue to engage with partners and allies to address the Iranian ballistic missile threat.

#### *Imposition of sanctions*

The House bill contained a provision (sec. 1230F) that would require the President to impose specified sanctions on As-Saib Ahl al-Haq, Harakat Hezbollah al-Nujaba, and foreign persons with certain associations with the former two organizations.

The Senate amendment contained no such provision.

The House recesses.

The conferees encourage the Secretary of State to continuously review whether groups that are affiliated with Iran meet the criteria for designation as a foreign terrorist organization or the application of sanctions pursuant to Executive Order 13224.

#### *Report on United States strikes against Syria*

The House bill contained a provision (sec. 1230G) that would require the Secretary of Defense to submit not later than 30 days after the date of the enactment of this Act to the congressional defense committees a report providing a detailed explanation of the legal basis under both domestic and international law for the strikes conducted by the United States in Syria on April 6, 2017 and April 13, 2018. The House bill

also included a provision (sec. 1230H) that would require the Secretary of Defense to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives on the United States military strikes on Syria on April 13, 2018.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Secretary of Defense to submit, not later than 30 days after the enactment of this Act, a report on the United States strikes on Syria on April 6, 2017 and April 13, 2018, to the congressional defense committees and the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives. The report, which shall be unclassified but may include a classified annex, shall include the following elements:

(1) A legal analysis of the relevant domestic and international authorities and precedents justifying the strikes;

(2) A description of the objectives of the strikes and assessment of whether such objectives were achieved by the strikes; and

(3) An assessment of the extent to which the operations of the Syrian military or other pro-regime forces were affected by such strikes, including whether the strikes had any lasting impact on such operations.

#### *Report on evolving financing mechanisms leveraged by the Islamic State and affiliate entities*

The House bill contained a provision (sec. 1230I) that would require the Secretary of Defense, the Secretary of the Treasury, and the Secretary of State to submit to Congress a report that contains an assessment on current and projected funding mechanisms used by the Islamic State of Iraq and Syria (ISIS) and its affiliates, as well as efforts by the United States to deny access to such mechanisms.

The Senate amendment contained no similar provision.

The House recesses.

The conferees acknowledge the importance and complexity of counter-terrorist financing efforts led by the Department of the Treasury, the Department of State, the Department of Defense, and other departments and agencies in targeting an array of terrorist organizations, including ISIS, which maintain diversified revenue streams. Therefore, the conferees direct the Secretary of State, the Secretary of Treasury, and Secretary of Defense, in coordination with other relevant Federal officials, to provide a briefing to the congressional defense committees

not later than 90 days after the enactment of this Act, on ISIS and its affiliates' finances, trends in their revenue streams and means of financial support, and United States' efforts to deny them access to funding mechanisms.

*Sense of Senate on relocation of Joint Intelligence Analysis Complex*

The Senate amendment contained a provision (sec. 1234) that would express the sense of the Senate concerning the relocation of the Joint Intelligence Analysis Complex (JIAC).

The House bill contained no similar provision.

The Senate recesses.

The conferees note that the House bill and Senate amendment contained provisions, which require that military construction related to the relocation of the JIAC shall take place within the United Kingdom. These provisions are addressed elsewhere in this report. In addition, the conferees believe that in consideration of any future plans, including the conduct of any analysis of alternatives, regarding the relocation of the JIAC, the Secretary of Defense should maintain its collocation with the North Atlantic Treaty Organization (NATO) Intelligence Fusion Center.

*Statement of policy on United States military investment in Europe*

The House bill contained a provision (sec. 1235) that would state that it is the policy of the United States to sustain credible deterrence against aggression by the Government of the Russian Federation, including through investments to enhance U.S. force posture in Europe.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that sustaining credible deterrence against Russian aggression and enhancing U.S. force posture in Europe are addressed elsewhere in this report.

*Report on security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela*

The Senate amendment contained a provision (sec. 1237) that would require the Director of the Defense Intelligence Agency to submit not later than 180 days after the date of enactment of this Act to the appropriate committees of Congress a report on security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela.

The House bill contained no similar provision.

The Senate recesses.

The conferees continue to be concerned by Russian military and intelligence activity in the Western Hemisphere and urge the Department of Defense to engage in dialogue and cooperation on security with U.S. partners and allies in the region. Furthermore, conferees direct the Director of the Defense Intelligence Agency not later than 180 days after the date of enactment of this Act to submit to the Committee on Armed Services, Committee on Foreign Relations, and Committee on Appropriations of the Senate and the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives a report on security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela with the following elements:

(1) An assessment of bilateral security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela, respectively, that includes each of the following:

(a) A list of Russian weapon systems or other military hardware or technology valued at not less than \$1.0 million provided to or purchased by such country since January 1, 2007;

(b) A description of the participation of the security forces of such country in training or exercises with the security forces of the Russian Federation since January 1, 2007;

(c) A description of any security cooperation agreement between the Russian Federation and such country;

(d) A description of any military or intelligence infrastructure, facilities, and assets developed by the Russian Federation in each such country and any associated agreements or understandings between the Russian Federation and such country; and

(2) An assessment of security cooperation, specifically in an advisory role, among Cuba, Nicaragua, and Venezuela.

The report shall be submitted in unclassified form, but may include a classified annex.

*Sense of Congress regarding Russia's violations of the Chemical Weapons Convention*

The House bill contained a provision (sec. 1238) that would express the sense of Congress that the Russian Federation is in violation of the Chemical Weapons Convention.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that Russia's stock pile of chemical weapons has been implicated and involved in several assassinations and through their actions of inhibiting the Organization for the Prohibition of Chemical Weapons' work in Syria, Russia has disregarded the obligations imposed by the Chemical Weapons Convention and is in contravention of that agreement.

*Report on Kremlin-linked corruption*

The House bill contained a provision (sec. 1241) that would require a report from the Secretary of Treasury, in coordination with the Secretary of State and in consultation with the Director of National Intelligence, regarding certain assets owned by Vladimir Putin, Russian oligarchs, and senior officials of the Russian government not later than 60 days after the enactment of this Act. The provision would also require the report to be published 60 days after it was submitted to Congress.

The Senate bill contained no similar provision.

The House recesses.

The conferees direct the Secretary of Treasury, in coordination with the Secretary of State and in consultation with the Director of National Intelligence, to provide the appropriate congressional committees, including the Committees on Armed Services of the Senate and House of Representatives, with a briefing on the assets owned by Vladimir Putin, the Russian oligarchs mentioned in the report provided to Congress under Sec 241 of Public Law 115-44 (CAATSA), and senior officials of the Russian government. The briefing shall include the location, value, size and contents of bank accounts, real estate holdings, and all other financial assets, as well as the use of shell companies employed to hide assets, that belong to the aforementioned individuals and their immediate family members and proxies.

*Report on Russia's support for the Taliban and other destabilizing activities in Afghanistan*

The House bill contained a provision (sec. 1242) that would require the Secretary of Defense and Secretary of State to jointly submit to the congressional defense and foreign affairs committees a report on Russia's support for the Taliban and other destabilizing activities in Afghanistan.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note with deep concern Russia's destabilizing activities in Afghanistan. By misrepresenting the danger that Islamic State of Iraq and the Levant - Khorasan Province (ISIS-K) presents in Afghanistan and providing material support to the Taliban, Russia has consistently undermined the international effort to establish peace and stability in Afghanistan and the Central and South Asian region. To better understand the nature of these activities, the conferees direct the appropriate agency within the Department of Defense, in conjunction with the Intelligence Community, to provide a report to the congressional defense and foreign relations committees no later than January 31st, 2019. The required report should be made at the classified level with an unclassified summary and should address Russian destabilizing activities in the region over the past 10 years, an articulation of Russian goals in executing such activities and an assessment of their abilities and potential to affect future operations that run counter to U.S. and Afghan goals in the region.

*Sense of Senate on strategic importance of maintaining commitments under Compacts of Free Association*

The Senate amendment contained a provision (sec. 1248) that would express the sense of the Senate concerning the strategic importance of maintaining commitments under Compacts of Free Association.

The House bill contained no similar provision.

The Senate recesses.

The conferees believe that maintaining the commitments of the United States under the Compacts of Free Association is of vital strategic importance to the national security interests of the United States. Furthermore, the conferees note that under compacts with the Freely Associated States (FAS), the Federated States of Micronesia, Republic of the Marshall Islands, and Palau, the United States has exclusive military use rights in these countries in exchange for the defense of the FAS. The Compacts of Free Association (COFA) have enabled the United States to maintain critical access in the Indo-Pacific region and are important to strengthening partnerships and maintaining commitments in the Indo-Pacific region.

*Report on terrorists use of human shields*

The Senate amendment contained a provision (sec. 1252) that would require the Secretary of Defense, in consultation with the Secretary of State, to provide a report on the use of

human shields by terrorist groups to protect otherwise lawful targets from attack.

The House bill contained no similar provision.

The Senate recesses.

The conferees remain concerned about the use of human shields by terrorists and the challenge such tactics pose for military operations. Therefore, the conferees direct the Secretary of Defense, in consultation with the Secretary of State, to provide a briefing to the congressional defense committees, the Senate Committee on Foreign Relations, and the House Committee on Foreign Affairs no later than March 31, 2019, on the use of human shields by terrorists. The briefing should include a discussion of lessons learned by the United States and its allies and partners and actions taken by the Department of Defense (DOD) to address the use of human shields by terrorist groups. The briefing should also include a description of any plans and actions being taken by DOD to incorporate lessons learned into DOD operating guidance, capabilities, and tactics, techniques, and procedures to counter and address the challenge posed by the use of human shields.

*Missile defense exercises in the Indo-Pacific region with United States regional allies and partners*

The House bill contained a provision (sec. 1255) that would express the sense of the Congress on supporting the continued development and deployment of a robust missile defense in the Indo-Pacific region, including by increasing the capacity of interceptors, sensors and operational concepts; planning for operationally realistic bilateral and multilateral missile defense exercises with regional allies and partners along with exercises that are specifically focused on interoperability; and increasing foreign military sales and areas of co-production for components of missile defense systems among appropriate allies and partners.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct that, not later than 120 days after the date of enactment of this Act, the Secretary of Defense provide a briefing to the congressional defense committees on the plans for missile defense exercises in the Indo-Pacific region with allies and partners to improve interoperability.

*Quadrilateral cooperation and exercise*

The House bill contained a provision (sec. 1256) that would express the sense of the Congress on supporting

quadrilateral cooperation among the United States, Japan, Australia, and India, and others as appropriate.

The Senate amendment contained no similar provision.

The House recesses.

The conferees believe that the United States in cooperation with Japan, India, Australia, and other allies and partners should work together to uphold the values of a free and open Indo-Pacific region and promote regional security and stability through appropriate cooperation regarding the rule of law, peaceful resolution of disputes, maritime security, nonproliferation, and counterterrorism.

Therefore, the conferees direct that, not later than 120 days after the date of enactment of this Act, the Secretary of Defense provide to the congressional defense committees a briefing on the plans to enhance security cooperation among the United States, Japan, Australia, India, and other countries, as appropriate, including through appropriate military activities and exercises, capacity building efforts among other countries in the Indo-Pacific region, and joint regional infrastructure initiatives.

*Report on United States military training opportunities with allies and partners in the Indo-Pacific region*

The Senate amendment contained a provision (sec. 1256) that would express the sense of the Senate and require a report concerning United States military training opportunities with allies and partners in the Indo-Pacific region.

The House bill contained no similar provision.

The Senate recesses.

The conferees believe that the Secretary of Defense should continue to place emphasis on United States military training exercises with allies in the Indo-Pacific region. Therefore, the conferees direct that, not later than 180 days after the date of the enactment of this Act, the Secretary of Defense submit to the congressional defense committees a report on future United States military training opportunities with allied partner countries in the Indo-Pacific region. The report shall include the following: (1) a detailed description of current United States military exercises involving United States partners and allies in the Indo-Pacific region, the manner in which such exercises are intended to improve the capability and capacity of such partners and allies, and the interoperability of such partners and allies with the United States Armed Forces; (2) an analysis of the potential to expand the size, scope, or makeup of such exercises to include additional forces and units of current participants, additional capabilities or training, and

other allies and partners in the Indo-Pacific region and other regions; (3) an identification of new United States military exercises that may be initiated with allies and partners, including through multilateral frameworks such as the Association of Southeast Asian Nations (ASEAN), in the Indo-Pacific region, allies and partners outside the Indo-Pacific region, and potential new allies or partners.

#### *Statement of policy on naval vessel transfers to Japan*

The House bill contained a provision (sec. 1260) that it shall be the policy of the United States to support maritime defense cooperation with Japan, including through the transfer of excess United States naval vessels to the Japanese Maritime Self-Defense Force, and that such transfers should include capabilities such as those represented by the Tarawa class amphibious assault ship, the Austin class amphibious transport dock, and the Charleston class amphibious cargo ship.

The Senate amendment contained no similar provision.  
The House recedes.

The conferees direct the Secretary of Defense and the Secretary of State jointly to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives, not later than 120 days after the date of the enactment of this Act, on the potential for the transfer of excess United States naval vessels to Japan, including those represented by the Tarawa class amphibious assault ship, the Austin class amphibious transport dock, and the Charleston class amphibious cargo ship, and opportunities to collaborate with Japan on the transfer of excess United States naval vessels to other countries, particularly in Southeast Asia.

#### *Senior defense engagement with Taiwan*

The House bill contained a provision (sec. 1262) that would express the sense of Congress that, pursuant to the Taiwan Travel Act (Public Law 115-135), a service secretary or member of the joint chiefs should visit Taiwan for a senior-level defense engagement.

The Senate amendment contained no similar provision.  
The House recedes.

Not later than 60 days after the date of the enactment of this Act, the conferees direct the Secretary of Defense, in consultation with the Secretary of State, to provide a briefing to the congressional defense committees, the Committee on

Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives on any plans of the Department to carry out senior-level defense engagement.

*Sense of Senate on purchase by Turkey of S-400 air defense system*

The Senate amendment contained a provision (sec. 1263) that would express the sense of the Senate that the President should impose and apply sanctions under the Countering America's Adversaries through Sanctions Act (Public Law 115-44) against the Republic of Turkey if it purchases the S-400 air defense system from the Russian Federation.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that concerns about the ramifications of the Republic of Turkey's expressed intention to purchase the S-400 air and missile defense system from Russia, including the possibility of sanctions, are addressed elsewhere in this report.

*Department of Defense support for stabilization activities in national security interest of the United States*

The Senate amendment contained a provision (sec. 1264) that would authorize the Secretary of Defense, with the concurrence of the Secretary of State and in consultation with the Administrator of the United States Agency for International Development and the Director of the Office of Management and Budget, to provide certain support for the stabilization activities of other Federal agencies.

The House bill amendment contained no similar provision.

The Senate recesses.

*Report on North Korea*

The House bill contained a provision (sec. 1266) that would require a report concerning certain efforts of the Department of State with respect to North Korea.

The Senate amendment contained no similar provision.

The House recesses.

Not later than 120 days after the date of the enactment of this Act, the conferees direct the Secretary of State, in consultation with the heads of other relevant federal departments and agencies, to submit a report that includes a description of any ongoing or planned efforts of the Department of State with respect to each of the following: (1) resuming the

repatriation from North Korea of members of the United States Armed Forces missing or unaccounted for during the Korean War; (2) reuniting Korean Americans with their relatives in North Korea; and (3) assessing the security risks posed by travel to North Korea for United States citizens. The report shall be submitted in an unclassified form to the following committees: the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives.

*Sense of Senate on support for G5 Sahel Joint Force countries*

The Senate amendment contained a provision (sec. 1267) that would express the sense of the Senate on support for the G5 Sahel Joint Force countries.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the G5 Sahel Joint Force is addressed elsewhere in this report.

*Review of controlled items with respect to China*

The House bill contained a provision (sec. 1268) that would require the Secretary of Defense to submit to Congress a list of technologies listed on the Commerce Control List and exempted from export to China, and a list of such items removed from the list over the previous 15 years.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that export control and technology protection are subjects of great interest for Congress, as demonstrated by other provisions on both topics elsewhere in this bill. The conferees are aware of ongoing efforts to protect U.S. technologies from aggressive attempts by China and other countries to obtain those technologies using both legal and illicit means. The conferees expect that interagency deliberations on these issues will appropriately consider and balance the Department of Defense's national security concerns with other factors.

*Sense of Congress on broadening and expanding strategic partnerships and allies*

The Senate amendment contained a provision (sec. 1268) that it is the sense of Congress that the United States manages multiple strategic challenges through the enduring strength of its alliances and that it remains resolved to forge new

alliances and partnerships in order to address shared challenges in Europe, the Indo-Pacific, and throughout the world.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that the importance of maintaining and strengthening United States alliances and partnerships to meet strategic challenges throughout the world is addressed elsewhere in this report.

*Humanitarian assistance and disaster relief exercises conducted by the Department of Defense in the Indo-Pacific region*

The House bill contained a provision (sec. 1269) that would express the sense of Congress and require a briefing on humanitarian assistance and disaster relief exercises conducted by the Department of Defense in the Indo-Pacific region.

The Senate amendment contained no similar provision.

The House recesses.

Not later than the end of the first fiscal year beginning after the date of enactment of this Act, the conferees direct the Secretary of Defense to provide a briefing on the following: (1) a description of humanitarian assistance and disaster relief exercises conducted by the Department of Defense in the Indo-Pacific region in the previous year that also identifies the partner countries and militaries involved in any such operations and exercises; (2) a description of any planned humanitarian assistance and disaster relief exercises for the following fiscal year in the Indo-Pacific region; (3) a description of any constraints on the ability of the Department of Defense to conduct humanitarian assistance and disaster relief exercises, including in resources; and (4) a description of any efforts undertaken by the Secretary of Defense to ease operational burdens on the Armed Forces of the United States to participate in humanitarian assistance or disaster relief exercises, such as the pre-positioning of equipment, inclusion of additional partners, and inclusion of exercises that may ordinarily be conducted independently of any humanitarian assistance operation or exercise. The briefing shall be provided to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

*Increase in minimum amount of obligations from the Special Defense Acquisition Fund for precision guided munitions*

The Senate amendment contained a provision (sec. 1270) that would increase the amount of annual obligations from the

Special Defense Acquisition Fund for the procurement and stocking of precision guided munitions from 20 percent to 25 percent.

The House bill contained no similar provision.

The Senate recesses.

*Sense of Congress on unity of Gulf Cooperation Council member countries*

The House bill contained a provision (sec. 1272) that would express the sense of Congress on the importance of unity among Gulf Cooperation Council (GCC) member countries.

The Senate amendment contained no such provision.

The House recesses.

The conferees note that the member countries of the GCC are important security cooperation partners of the United States and that their unity is critical given growing threats from Iran in the region. The conferees further note that the timely normalization of diplomatic, security, and economic relationships among GCC member countries is in the best interest of the United States and encourage the Secretary of Defense and Secretary of State to facilitate such normalization as soon as possible.

*Authority to increase engagement and military-to-military cooperation with Western Balkans countries*

The House bill contained a provision (sec. 1274) that would authorize the Secretary of Defense to increase engagement and military-to-military cooperation utilizing authorized programs and activities under chapter 16 of title 10, United States Code, with the nations of the Western Balkans, including Serbia, Bosnia and Herzegovina, Kosovo, and Macedonia.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that the United States engagement and military-to-military cooperation in the Western Balkans is addressed elsewhere in this report.

*Three-year extension of authorization of non-conventional assisted recovery capabilities*

The House bill contained a provision (sec. 1277) that would extend the authority contained in Section 943 of the National Defense Authorization Act for Fiscal Year 2009 (Public Law 110-417), as most recently amended by section 1051 of the

National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) by three years.

The Senate amendment contained no similar provision.

The House recesses.

#### *Sense of Congress on support for Georgia*

The House bill contained a provision (sec. 1284) that would express the sense of Congress regarding United States support for Georgia's sovereignty and territorial integrity as well as support for continued cooperation between the United States and Georgia.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that United States support for cooperation with Georgia is addressed elsewhere in this report.

#### *Sense of Congress on support for Estonia, Latvia, and Lithuania*

The House bill contained a provision (sec. 1285) that would express the sense of Congress regarding United States support for the Republic of Estonia, the Republic of Latvia, and the Republic of Lithuania.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that United States support for the Republic of Estonia, the Republic of Latvia, and the Republic of Lithuania is addressed elsewhere in this report.

#### *Report on United States strategy in Yemen*

The House bill contained a provision (sec. 1286) that would require the Secretary of Defense to submit to the congressional defense committees a strategy of the United States Forces with respect to Yemen not later than February 1, 2019.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Secretary of Defense to submit to the congressional defense committees a report on the United States' strategy and activities in Yemen not later than February 1, 2019. At a minimum, the report shall include the following elements: (1) The diplomatic and security objectives of the United States in Yemen; (2) Indicators for the effectiveness of United States military efforts to achieve such interests, objectives, goals, or end-states; (3) The costs associated with the involvement of the United States Armed Forces in Yemen,

including costs relating to counterterrorism activities, refueling missions, or other military activities; and (4) The estimated annual resources required through fiscal year 2022 for the United States Armed Forces to achieve such objectives.

### *Report on Hezbollah*

The House bill contained a provision (sec. 1287) that would require the President to submit to the appropriate congressional committees a report on Hezbollah's activities and objectives not later than 90 days after the enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense, in consultation with Secretary of State and other appropriate officials, to submit a report on Hezbollah's activities to the appropriate congressional committees not later than 120 days after the enactment of this Act. At a minimum, the report shall include the following elements:

- (1) A description of Hezbollah's strategic objectives in the Middle East;
- (2) A description of Hezbollah's activities throughout the Middle East, including its involvement in and effects upon conflicts throughout the region;
- (3) A description of Hezbollah's conventional and unconventional military capabilities, including an estimate of its known rocket and missile arsenal;
- (4) A description of Hezbollah's finances, including its sources of financial support and a description of how it utilizes its financial resources in Lebanon;
- (5) A description of the supply routes used in Hezbollah's procurement of illegal weapons and other illicit materiel; and
- (6) An evaluation of the progress of the United Nations Interim Force in Lebanon in enforcing its mandate to assist the Government of Lebanon in ensuring the return of its effective authority in southern Lebanon, along with a description of any factors inhibiting the achievement of that objective.

The report shall be submitted to the congressional defense committees, the Committee on Foreign Relations of the Senate, the Committee on Foreign Affairs of the House of Representatives, the Select Committee on Intelligence of the Senate, and the Permanent Select Committee on Intelligence of the House of Representatives. It shall be submitted in unclassified form, but may include a classified annex,

*Sense of Congress regarding the role of the United States in the North Atlantic Treaty Organization*

The House bill contained a provision (sec. 1290) that would express the sense of Congress that continued United States leadership in the North Atlantic Treaty Organization is critical to the national security of the United States.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that support for the North Atlantic Treaty Organization is addressed elsewhere in this report.

*Sense of Congress and reaffirming the commitment of the United States to the North Atlantic Treaty Organization (NATO)*

The House bill contained a provision (sec. 1291) that would express the sense of Congress regarding the commitment of the United States to the North Atlantic Treaty Organization.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that support for the North Atlantic Treaty Organization is addressed elsewhere in this report.

*Sense of Congress relating to increases in defense capabilities of United States allies*

The House bill contained a provision (sec. 1292) that would express the sense of Congress that the President should encourage members of the North Atlantic Treaty Organization (NATO) to fulfill their commitments to levels and composition of defense expenditures as agreed upon at the NATO 2014 Wales Summit and NATO 2016 Warsaw Summit.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that the role of NATO and support for U.S. allies and partners in Europe are addressed elsewhere in this report.

*Report on threats by the Muslim Brotherhood*

The House bill contained a provision (sec. 1293) that would express the sense of Congress that the Muslim Brotherhood is a threat to the United States. Additionally, it would require the President and the Secretary of Defense, in coordination with the Secretary of State, to submit to the appropriate congressional committees a report that contains an assessment of

the Muslim Brotherhood's origins, aims, organization, and activities.

The Senate amendment contained no similar provision.  
The House recesses.

The conferees direct the Secretary of State, in coordination with the Director of National Intelligence and other relevant officials, to provide to the congressional defense committees, the Committee on Foreign Relations, the Committee of Appropriations of the Senate, and the Select Committee on Intelligence of the Senate and the Committee on Foreign Affairs, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives, a report on the Muslim Brotherhood and its affiliated branches in Middle Eastern and North African countries not later than one year after the enactment of this Act. The report shall contain the following elements:

- (1) A description of the origins of the Muslim Brotherhood;
- (2) A description of the strategic and political objectives of the Muslim Brotherhood as a movement;
- (3) A description of the activities of the Muslim Brotherhood in the Middle East and North Africa;
- (4) A list of Muslim Brotherhood branches and affiliations by country in the Middle East and North Africa;
- (5) A description of the extent to which the objectives and activities of the Muslim Brotherhood and affiliated organizations differ across the various countries in which they have a presence in the Middle East and North Africa;
- (6) A description of the funding sources of each Muslim Brotherhood branch in the Middle East and North Africa;
- (7) A description of the organization and leadership structures of the Muslim Brotherhood in the Middle East and North Africa; and
- (8) Any other matters the Secretary of State considers appropriate.

The report shall be submitted in unclassified form, but may include a classified annex.

*Report by Defense Intelligence Agency on certain military capabilities of China and Russia*

The House bill contained a provision (sec. 1294) that would require the Director of the Defense Intelligence Agency to submit to the Secretary of Defense and certain congressional committees a report on the military capabilities of the People's Republic of China and the Russian Federation.

The Senate amendment contained no similar provision.

The House recesses.

*Report on efforts to combat Boko Haram in Nigeria and the Lake Chad Basin*

The House bill contained a provision (sec. 1295) that would require the Secretary of Defense, Secretary of State, and the Attorney General to jointly submit to Congress a report on efforts to combat Boko Haram in Nigeria and the Lake Chad Basin.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note the threat posed by Boko Haram and the Islamic State in Iraq and Syria-West Africa (ISIS-WA), and the destabilizing impact these groups have on the countries in the Lake Chad Basin and the security interests of the United States. The United States should continue to work with partners and allies in the region to disrupt violent extremist organizations, including Nigeria and the countries that compose the G5 Sahel Force. To this end, the conferees support ongoing efforts to work with Nigeria and the G5 Sahel Force countries to improve security along the respective borders of each country; to address underlying sources of instability in each country through a whole-of-government approach; and to build and sustain effective, accountable governments as well as capable and professional militaries in each country. The conferees expect the Secretary of Defense to keep the congressional defense committees regularly informed of related Department of Defense efforts.

Lastly, the conferees note that section 1279A of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) required a comprehensive strategy to support improvements in defense institutions and security sector forces in Nigeria in order to more effectively combat the threat posed by regional terrorist groups.

*Report on interference in Libya by military and security forces of other foreign nations*

The House bill contained a provision (sec. 1296) that would require the Secretary of Defense and the Secretary of State to jointly submit to the appropriate congressional committees a report on the military activities of external actors in Libya, including Russia, Egypt, and the United Arab Emirates.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct not later than 180 days after the date of enactment of this Act the Secretary of Defense and the Secretary of State to jointly submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the military activities of external actors in Libya. The report shall be submitted in unclassified form but may contain a classified annex. The report should include an assessment of military, security, and influence activities by foreign countries in Libya, including Russia, Egypt, and the United Arab Emirates. The report shall address, at a minimum, the following:

(1) A description of actions that violate or seek to violate the United Nations arms embargo on Libya imposed pursuant to United Nations Security Council Resolution 1970 (2011);

(2) A description of actions outside the scope of such Resolution that seek to increase the relative strength of either the eastern or western coalition in Libya, including through financing, policy coordination, or political support;

(3) An assessment of whether these actions have undermined the United Nations-led and United States-supported negotiations or the objective of political reconciliation and stabilization in Libya;

(4) An assessment of Russian influence in Libya and Egypt, including any efforts to provide logistical, material or political assistance to Libyan parties, establish a military presence, and expand political influence in Libya, and any facilitation by Egyptian officers or officials for such activities;

(5) An assessment of whether the presence and activities of Russian personnel and equipment in Libya and Egypt, and Russian requests to establish bases in Egypt, pose or could pose a future challenge to the United States' ability to operate in Egypt, Libya, or the southern Mediterranean broadly, including overflight privileges;

(6) An assessment of whether Egypt is facilitating Russian influence and materiel-provision in Libya and the extent to which such facilitation undermines United States policy, involves United States-origin equipment, and violates contractual conditions of acceptable use of such equipment; and

(7) Any other matters the Secretary of Defense and the Secretary of State determine to be relevant.

*United States security and humanitarian support strategy for Yemen*

The House bill contained a provision (sec. 1299) that would require the Secretary of State and the Secretary of Defense, in coordination with the Administrator of the United States Agency for International Development, to jointly submit to Congress a comprehensive report on United States security and humanitarian interests in Yemen.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that a provision elsewhere in this Act related to Yemen requires the Secretaries and the Administrator to submit to the appropriate congressional committees an unclassified report on United States objectives in Yemen and a strategy to accomplish those objectives. The conferees expect this report to describe United States efforts to coordinate civilian and military efforts in Yemen, the diplomatic strategy with respect to regional partners seeking to end the civil war, and the role that humanitarian support to civilian populations plays in the United States strategy in Yemen.

#### *Report on Bangladesh*

The House bill contained a provision (sec. 1299A) that would require a report on cooperation between the United States and Bangladesh regarding humanitarian assistance and disaster relief.

The Senate amendment contained no similar provision.

The House recesses.

Not later than 180 days after the enactment of this Act, the conferees direct Secretary of State, in coordination with the Administrator of the United States Agency for International Development (USAID) and the Secretary of Defense, to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives, a report containing (1) an assessment of Bangladesh's ability to respond to humanitarian crises and natural disasters and (2) recommendations for enhancing humanitarian assistance and disaster relief cooperation between the United States and Bangladesh relating to improving Bangladesh's ability to respond to humanitarian crises and natural disasters, including through humanitarian consultations, training, and exercises.

#### *United States cybersecurity cooperation with Ukraine*

The House bill contained a provision (sec. 1299B) that would make a series of findings about, state the policy of the United States surrounding, and require the Secretary of State to

submit a report on cybersecurity cooperation with and assistance to Ukraine.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that it is the policy of the United States to: (1) Reaffirm the United States-Ukraine Charter on Strategic Partnership, which highlights the importance of the bilateral relationship and outlines enhanced cooperation in the areas of defense, security, economics and trade, energy security, democracy, and cultural exchanges; (2) Support continued cooperation between NATO and Ukraine; (3) Support Ukraine's political and economic reforms; (4) Reaffirm the commitment of the United States to the Budapest Memorandum on Security Assurances; (5) Assist Ukraine's efforts to enhance its cybersecurity capabilities; and (6) Improve Ukraine's ability to respond to Russia-supported disinformation and propaganda efforts in cyberspace, including through social media and other outlets.

The conferees also urge the Secretary of State to take the following actions, commensurate with United States interests, to assist Ukraine to improve its cybersecurity: (1) Provide Ukraine such support as may be necessary to secure government computer networks from malicious cyber intrusions, particularly such networks used in the operation of the critical infrastructure of Ukraine; (2) Provide Ukraine support in reducing reliance on Russian information and communications technology; and (3) Assist Ukraine in building its capacity, expand cybersecurity information sharing, and cooperate on international cyberspace efforts.

Not later than 180 days after the date of the enactment of this Act, the Secretary of State shall submit to the congressional defense committees and the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate a report on United States cybersecurity cooperation with Ukraine. Such report shall also include information relating to the following: (1) United States efforts to strengthen Ukraine's ability to prevent, mitigate, and respond to cyber incidents, including through training, education, technical assistance, capacity building, and implementation of cybersecurity risk management strategies; (2) The potential for new areas of collaboration and mutual assistance between the United States and Ukraine in addressing shared cyber challenges, including cybercrime, critical infrastructure protection, and resilience against botnets and other automated, distributed threats; and (3) NATO's efforts to help Ukraine develop technical capabilities to counter cyber threats.

*Briefing on China's military installation in the Republic of Djibouti*

The House bill contained a provision (sec. 1299C) that would require a briefing from the Secretary of Defense and Secretary of State on an assessment of Chinese military operations in Djibouti and its compliance with international treaty obligations related to laser weapons and landmines.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct not later than 90 days after the date of enactment of this Act the Secretary of Defense, in coordination with the Secretary of State, to provide a briefing to the Armed Services Committees of the Senate and House of Representatives and the Foreign Relations Committee of the Senate and Foreign Affairs Committee of the House of Representatives on China's military installation in the Republic of Djibouti. The briefing shall include the following:

(1) An assessment of the impact of the People's Republic of China's first overseas military installation in the Republic of Djibouti on the ability of the United States forces to operate in the region.

(2) An assessment of China's ability to obtain sensitive information and impact operations conducted from Camp Lemonier in Djibouti, the largest United States military installation on the African continent.

(3) An assessment of the ability of the President of Djibouti to terminate by all methods, including by simple decree, the Department of Defense's lease agreement governing operation of Camp Lemonier.

(4) An assessment of the impact of the Chinese base in Djibouti on security and safety of United States personnel in Djibouti.

(5) An assessment of the status of China's compliance with the 'Protocol on Blinding Laser Weapons' that forbids employment of laser weapons for the purposes of blinding.

(6) An assessment of the laser attack in Djibouti that injured United States airmen.

*Sense of Congress with respect to the Three Seas Initiative*

The House bill contained a provision (sec. 1299D) that would express the sense of Congress with respect to the "Three Seas Initiative."

The Senate amendment contained no similar provision.

The House recesses.

The conferees believe the "Three Seas Initiative" could serve as a valuable counterweight to the efforts of the Russian Government to divide Europe and to the regional expansionism of the Chinese Government, particularly in the context of energy and infrastructure. Therefore, the conferees believe the United States should fully support the efforts of the Three Seas Initiative, including by sending a high level delegation to future summits convened by the Initiative, encouraging United States business leaders to participate in the Initiative, and supporting the establishment of a network of Central European chambers of commerce.

*Report on violence and cartel activity in Mexico*

The House bill contained a provision (sec. 1299E) that would direct the Secretary of Defense to submit to the congressional defense committees a report on violence and cartel activity in Mexico and their impact on the national security of the United States.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that a provision elsewhere in this Act requires a report on security cooperation between the United States and Mexico, with a reporting element on the security environment and national security challenges in Mexico, including those posed by violence related to narcotics trafficking and cartel activity.

*Briefing on Department of Defense Program to Protect United States Students Against Foreign Agents*

The House bill contained a provision (sec. 1299G) that would require the Secretary of Defense to provide a briefing to the congressional defense committees on the program described in section 1277 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), including an assessment on whether the program is beneficial to students interning, working part time, or in a program that will result in employment post-graduation with Department of Defense components and contractors.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct that not later than 240 days after the date of enactment of this Act the Secretary of Defense shall provide a briefing to the congressional defense committees on the program described in section 1277 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91),

including an assessment on whether the program is beneficial to students interning, working part time, or in a program that will result in employment post-graduation with Department of Defense components and contractors.

*Report on countries and enemy groups against which the United States has taken military action*

The House bill included a provision (sec. 1299I) that would require the Secretary of Defense to submit to specified committees of Congress a report that identifies the nations, organizations, and persons against which the United States has taken military action pursuant to the Authorization for the Use of Military Force.

The Senate amendment included no similar provision.

The House recesses.

The conferees direct the Secretary of Defense to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives not later than 180 days after the date of the enactment of this Act a report that identifies the nations, organizations, and persons against which the United States has taken military action pursuant to the Authorization for Use of Military Force (Public Law 107-40; 50 U.S.C. 1541 note).

*Importance of exchanges between the Department of State and the Department of Defense*

The House bill contained a provision (sec. 1299J) that would express the sense of Congress of the importance of exchanges between Department of State and Department of Defense.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that United States Government personnel must be able to collaborate across departments and agencies to meet complex national security challenges. The conferees believe that exchange programs between the Department of State and Department of Defense are critical for strengthening the capacity of such Departments to promote regional stability around the world while protecting and promoting United States interests. Foreign Service officers serving as political advisors within the Department of Defense provide deep understanding of diplomatic dynamics and issues and can enable, through such exchange programs, the Department of Defense to make effective and sustained contributions to protecting and promoting United States interests. The conferees believe that

Foreign Service officers should be embedded forward with Department of Defense personnel to the fullest extent practicable.

*Inclusion of influence operations in annual military reports to Congress*

The House bill contained a provision (sec. 1299L) that would modify the Department of Defense's respective annual reports to Congress on the People's Republic of China, the Russian Federation, and Iran to include influence operations as a matter to be included in such reports.

The Senate amendment contained no similar provision.  
The House recesses.

*Security cooperation with Eritrea*

The House bill contained a provision (sec. 1299N) that would require the Secretary of Defense, in consultation with the Secretary of State, to submit to the congressional defense committees a report on the potential strategic benefits and risks of conducting security cooperation with the Government of Eritrea.

The Senate amendment contained no similar provision.  
The House recesses.

*Matters relating to the Government of Burma*

The House bill contained five provisions (sec. 12990-1, sec. 12990-2, sec. 12990-3, sec. 12990-4, and sec. 12990-5) concerning matters related to the Government of Burma. The provisions would: prohibit the provision security assistance or engagement in security cooperation with the military and security forces of Burma for an eight-year period; require the President to impose sanctions on certain persons and entities involved in serious human rights abuses or impeding the investigation and prosecution of such abuses; require the Secretary of State to submit a report to the appropriate congressional committees on the mining sector in Burma's adherence to certain standards related to transparency; and require the Secretary of State to make a determination as to whether the events that took place in the state of Rakhine in Burma, starting on August 25, 2017, constitute ethnic cleansing, crimes against humanity, or genocide.

The Senate amendment contained no similar provision.  
The House recesses.

## **TITLE XIII—COOPERATIVE THREAT REDUCTION**

### *Funding allocations (sec. 1301)*

The House bill contained a provision (sec. 1301) that would allocate specific funding amounts for each program under the Department of Defense Cooperative Threat Reduction Program at the levels of the President's budget request.

The Senate amendment contained a similar provision (sec. 1302).

The Senate recesses.

### *Specification of cooperative threat reduction funds (sec. 1302)*

The House bill contained a provision (sec. 1302) that would specify that funds authorized to be appropriated to the Department of Defense for the Cooperative Threat Reduction Program would be available for obligation in fiscal years 2019, 2020, and 2021.

The Senate amendment contained a similar provision (sec. 1301).

The Senate recesses.

## **TITLE XIV—OTHER AUTHORIZATIONS**

### **SUBTITLE A—MILITARY PROGRAMS**

#### *Working capital funds (sec. 1401)*

The House bill contained a provision (sec. 1401) that would authorize appropriations for Defense Working Capital Funds at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1401).

The House recesses.

#### *Chemical agents and munitions destruction, defense (sec. 1402)*

The House bill contained a provision (sec. 1402) that would authorize appropriations for Chemical Agents and Munitions Destruction, Defense at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1402).

The House recesses.

*Drug interdiction and counter-drug activities, defense-wide  
(sec. 1403)*

The House bill contained a provision (sec. 1403) that would authorize appropriations for Drug Interdiction and Counter-Drug Activities, Defense-wide at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1403).

The House recesses.

*Defense inspector general (sec. 1404)*

The House bill contained a provision (sec. 1404) that would authorize appropriations for the Office of the Inspector General at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1404).

The House recesses.

*Defense health program (sec. 1405)*

The House bill contained a provision (sec. 1405) that would authorize appropriations for the Defense Health Program at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1405).

The Senate recesses with a technical amendment.

## **SUBTITLE B—ARMED FORCES RETIREMENT HOME**

*Authorization of appropriations for Armed Forces Retirement Home  
(sec. 1411)*

The House bill contained a provision (sec. 1412) that would authorize an appropriation of \$64.3 million from the Armed Forces Retirement Home Trust Fund for fiscal year 2019 for the operation of the Armed Forces Retirement Home.

The Senate amendment contained an identical provision (sec. 1421).

The conference agreement includes this provision.

*Expansion of eligibility for residence at the Armed Forces Retirement Home (sec. 1412)*

The Senate amendment contained a provision (sec. 1422) that would amend section 1512 of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 412) to include as authorized residents of the Armed Forces Retirement Home (AFRH): (1) Persons with a service-connected disability incurred in the line of duty in the Armed Forces; and (2) Certain spouses of residents. The provision would also delineate persons ineligible to be residents of the AFRH: (1) Persons discharged or released from military service under other-than-honorable conditions; and (2) Persons with substance abuse or mental health problems, with a limited exception.

The House bill contained no similar provision.

The House recesses.

*Oversight of health care provided to residents of the Armed Forces Retirement Home (sec. 1413)*

The Senate amendment contained a provision (sec. 1423) that would amend section 1513A(c) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 413a(c)) to revise the duties of the senior medical advisor to the Armed Forces Retirement Home (AFRH) to require the senior medical advisor to facilitate and monitor the timely availability to residents of the AFRH such medical, mental health, and dental care services as such residents may require at locations other than the AFRH and to monitor compliance by the facilities of the AFRH with applicable accreditation and health care standards and requirements.

The House bill contained no similar provision.

The House recesses.

*Modification of authority on acceptance of gifts for the Armed Forces Retirement Home (sec. 1414)*

The Senate amendment contained a provision (sec. 1424) that would amend paragraph (1) of section 1515(f) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 415(f)) to authorize the Chief Operating Officer of the Armed Forces Retirement Home (AFRH) to accept, receive, solicit, hold, administer, and use any gift, devise, or bequest, either absolutely or in trust, of real or personal property, or any income therefrom or other interest therein, for the benefit of the AFRH.

The House bill contained no similar provision.

The House recesses.

*Relief for residents of the Armed Forces Retirement Home impacted by increase in fees (sec. 1415)*

The Senate amendment contained a provision (sec. 1425) that would prohibit the removal or release of a resident of the Armed Forces Retirement Home (AFRH) as of September 30, 2018, after that date based solely on the inability of the resident to pay the amount of any increase in fees applicable to residents that take effect on October 1, 2018. The provision would require the Chief Operating Officer of the AFRH to accommodate residents impacted by the fee structure that takes effect on October 1, 2018, through hardship relief, additional deductions from gross income, and other appropriate actions.

The House bill contained no similar provision.

The House recesses.

*Limitation on applicability of fee increase for residents of the Armed Forces Retirement Home (sec. 1416)*

The Senate amendment contained a provision (sec. 1426) that would limit the amount of the fee increase for a resident of the Armed Forces Retirement Home as of April 9, 2018, of those fees scheduled to increase on October 1, 2018, to 50 percent of the fees payable by such resident.

The House bill contained no similar provision.

The House recesses with an amendment that would require incremental fee increases over a 3-year period such that the total fee for residents of the Home at the end of that period would cover the cost of care of such residents. The amendment would prohibit any future increases in fees after October 1, 2018, until 90 days after the date on which a report on the increase is submitted to the Committees on Armed Services of the Senate and the House of Representatives.

## **SUBTITLE C—OTHER MATTERS**

*Authority for transfer of funds to joint Department of Defense-Department of Veterans Affairs medical facility demonstration fund for Captain James A. Lovell Health Care Center, Illinois (sec. 1421)*

The House bill contained a provision (sec. 1411) that would authorize the Secretary of Defense to transfer \$113.0 million from the Defense Health Program to the joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund, created by section 1704 of the National

Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84) for the operations of the Captain James A. Lovell Federal Health Care Center.

The Senate amendment contained an identical provision (sec. 1431).

The conference agreement includes this provision.

*Economical and efficient operation of working capital fund activities (sec. 1422)*

The Senate amendment contained a provision (sec. 1432) that would direct the Department of Defense to implement workload plans that optimize the efficiency of the workforce operating within a working capital fund activity and reduce the rate structure.

The House bill contained no similar provision.

The House recedes with an amendment that would add a requirement to optimize the rate structure.

*Consolidation of reporting requirements under the Strategic and Critical Materials Stock Piling Act (sec. 1423)*

The Senate amendment contained a provision (sec. 1411) that would amend section 11 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98h-2) to consolidate reporting requirements.

The House bill contained no similar provision.

The House recedes.

*Quarterly briefing on progress of chemical demilitarization program (sec. 1424)*

The House bill contained a provision (sec. 1413) that would require the Secretary of Defense to provide quarterly briefings to the congressional defense committees on the progress of the chemical demilitarization program. Additionally, this section would eliminate certain semiannual written reports.

The Senate amendment contained no similar provision.

The Senate recedes.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

*National Defense Sealift Fund*

The House bill contained a provision (sec. 1406) that would authorize appropriations for the National Defense Sealift Fund.

The Senate amendment contained no similar provision.  
The House recesses.

### *Findings*

The House bill contained a provision (sec. 5001) that would express the findings of Congress regarding strategic and critical minerals production.

The Senate amendment contained no similar provision.  
The House recesses.

### *Definitions*

The House bill contained a provision (sec. 5002) that would define certain terms pertaining to strategic and critical minerals production.

The Senate amendment contained no similar provision.  
The House recesses.

### *Improving development of strategic and critical materials*

The House bill contained a provision (sec. 5003) that would require that a domestic mine that provides strategic and critical minerals be considered an infrastructure project, as described in Executive Order No. 13807.

The Senate amendment contained no similar provision.  
The House recesses.

### *Responsibilities of the lead agency*

The House bill contained a provision (sec. 5004) that would establish the responsibilities of the lead government entity during the permitting process.

The Senate amendment contained no similar provision.  
The House recesses.

### *Federal Register process for mineral exploration and mining projects*

The House bill contained a provision (sec. 5005) that would require the Secretary of the Interior or the Secretary of Agriculture, as applicable, to ensure that the Federal Register notice associated with the issuance of a mineral exploration or mine permit includes the required information.

The Senate amendment contained no similar provision.  
The House recesses.

*Secretarial Order not affected*

The House bill contained a provision (sec. 5006) that would exclude any mineral describe in Secretarial Order 3324 from this division.

The Senate amendment contained no similar provision.  
The House recesses.

## **TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS**

### **SUBTITLE A—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS**

*Purpose (sec. 1501)*

The House bill contained a provision (sec. 1501) that would establish the purpose of this title and make authorization of appropriations available upon enactment of this Act for the Department of Defense, in addition to amounts otherwise authorized in this Act, to provide for additional authorization of funds due to overseas contingency operations and other additional funding requirements.

The Senate amendment contained a similar provision (sec. 1501).

The Senate recesses.

*Procurement (sec. 1502)*

The House bill contained a provision (sec. 1502) that would authorize additional appropriations for procurement at the levels identified in section 4102 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1503).

The House recesses.

*Research, development, test, and evaluation (sec. 1503)*

The House bill contained a provision (sec. 1503) that would authorize additional appropriations for research, development, test, and evaluation at the levels identified in section 4202 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1504).

The House recesses.

*Operation and maintenance (sec. 1504)*

The House bill contained a provision (sec. 1504) that would authorize additional appropriations for operation and maintenance programs at the levels identified in section 4302 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1505).

The House recesses.

*Military personnel (sec. 1505)*

The House bill contained a provision (sec. 1505) that would authorize additional appropriations for military personnel at the levels identified in section 4402 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1506).

The House recesses.

*Working capital funds (sec. 1506)*

The House bill contained a provision (sec. 1506) that would authorize additional appropriations for Defense Working Capital Funds at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1507).

The House recesses.

*Drug interdiction and counter-drug activities, defense-wide (sec. 1507)*

The House bill contained a provision (sec. 1507) that would authorize additional appropriations for Drug Interdiction and Counter-Drug Activities, Defense-Wide, at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1508).

The House recesses.

*Defense inspector general (sec. 1508)*

The House bill contained a provision (sec. 1508) that would authorize additional appropriations for the Office of the Inspector General at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1509).

The House recesses.

*Defense health program (sec. 1509)*

The House bill contained a provision (sec. 1509) that would authorize additional appropriations for the Defense Health Program at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1510).

The House recesses.

## **SUBTITLE B—FINANCIAL MATTERS**

*Treatment as additional authorizations (sec. 1511)*

The House bill contained a provision (sec. 1511) that would state that amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

The Senate amendment contained an identical provision (sec. 1521).

The conference agreement includes this provision.

*Special transfer authority (sec. 1512)*

The House bill contained a provision (sec. 1512) that would authorize the transfer of up to \$4.5 billion of additional war-related funding authorizations in this title among the accounts in this title.

The Senate amendment contained a similar provision (sec. 1522) that would allow the Secretary of Defense to transfer up to \$3.5 billion.

The House recesses.

*Overseas contingency operations (sec. 1513)*

The Senate amendment contained a provision (sec. 1502) that would designate authorization of appropriations in this section as Overseas Contingency Operations.

The House bill contained no similar provision.  
The House recesses.

## **SUBTITLE C—OTHER MATTERS**

### *Joint Improvised-Threat Defeat Organization (sec. 1521)*

The Senate bill contained a provision (sec. 1531) that would reauthorize the Joint Improvised-Threat Defeat Organization (JIDO) to reflect the expiration of the Joint Improvised-Threat Defeat Fund.

The House bill contained a similar provision (sec. 1522).

The House recesses with an amendment that would require the Secretary of Defense to submit a transition plan for JIDO with respect to transition from overseas contingency operations funding to base funding. This plan is to be submitted to the congressional defense committees no later than March 1, 2019.

### *Enduring costs funded through overseas contingency operations (sec. 1522)*

The House bill contained a provision (sec. 1524) that would direct the Secretary of Defense to submit with the annual President's budget request an estimate for the costs of operations currently supported in part or in whole by overseas contingency operations (OCO) funds that are likely to continue beyond such contingency.

The Senate amendment contained a similar provision (sec. 1003) that would require the Under Secretary of Defense (Comptroller) to submit a report that outlines the changes to the Office of Management and Budget OCO criteria and lists the exact figure amounts by project or activity that are shifted from OCO to base funding for the fiscal year 2020 budget request.

The Senate recesses with an amendment to combine both provisions. The provision requires the Under Secretary of Defense (Comptroller) to submit a report to the congressional defense committees, two weeks after the submission of the President's budget request, an estimate of any enduring costs which are funded through OCO funds, and a detailed description of any costs that have been transferred from OCO to base funds.

### *Comptroller General report on use of funds provided by overseas contingency operations (sec. 1523)*

The House bill contained a provision (sec. 1525) that would direct the Comptroller General of the United States to submit to the congressional defense committees a report on how funds authorized to be appropriated for fiscal year 2018 for overseas contingency operations were obligated.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

### *Separate account lines for overseas contingency operations funds*

The House bill contained a provision (sec. 1523) that would direct the Secretary of Defense and the Director of Management and Budget to establish separate accounts for overseas contingency operations funds.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that section 1524 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) required the Department of Defense to provide updated guidelines regarding the budget items that may be covered by overseas contingency operations funds. The conferees await the results of this report due in August 2018. Furthermore, the conferees anticipate that the results of the first full financial audit will contain a recommendation for the Department of Defense to identify receipt of base appropriations separately from overseas contingency operations appropriations. The conferees recommend the Department of Defense begin work to implement these controls.

## **TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS**

### **SUBTITLE A—SPACE ACTIVITIES**

#### *Improvements to acquisition system, personnel, and organization of space forces (sec. 1601)*

The House bill contained a provision (sec. 1601) that would direct the Deputy Secretary of Defense to develop a plan to establish an alternative acquisition system for defense space acquisitions, including with respect to space vehicles, ground segments, and terminals. The provision would also require the Secretary of the Air Force to develop and implement a plan to

increase the number and improve the quality of the civilian and military space cadre within the Air Force and establish a new numbered Air Force responsible for space warfighting operations. Finally, the provision would establish a subordinate unified command for space under U.S. Strategic Command that would be responsible for joint space warfighting operations.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would remove the requirement for a numbered Air Force and remove the requirement to implement the plan for cadre development.

#### *Modifications to Space Rapid Capabilities Office (sec. 1602)*

The Senate amendment contained a provision (sec. 1601) that would clarify and update the structure of the Space Rapid Capabilities Office.

The House bill contained no similar provision.

The House recedes with technical and clarifying amendments.

#### *Rapid, responsive, and reliable space launch (sec. 1603)*

The House bill contained a provision (sec. 1602) that would amend section 2273(b) of title 10, United States Code, to include consideration of rapid, responsive, and reliable space launches for national security space programs and re-name the Evolved Expendable Launch Vehicle program the National Security Space Launch program. It would also require the Secretary of Defense to consider both reusable and expendable launch vehicles for any solicitations on or after March 1, 2019, and require the Secretary to notify the appropriate congressional committees 60 days before issuing any solicitation for which reusable launch vehicles are not deemed eligible. Finally, the provision would require the Secretary to conduct a risk and cost impact analysis for launch vehicles for national security payloads, and submit such analysis to the appropriate congressional committees no later than 180 days from the date of enactment of this Act.

The Senate amendment contained a provision (sec. 1605) that would require the Secretary of Defense to pursue a strategy that includes fully or partially reusable launch systems as part of ensuring assured access for national security payloads to space. It would make the same change in name as the House provision and require the Secretary to submit a report to Congress no less than 60 days before any solicitation for procurement of launch services is issued.

The Senate recedes with several technical amendments and an amendment that would require the Secretary to notify the

appropriate congressional committees not later than 10 days after issuing a solicitation for a contract for space launch services for which reusable launch vehicles are not eligible, rather than 60 days before.

The conferees encourage the Secretary to continue to develop a process to evaluate and certify launch vehicles using previously flown components or systems for national security space launch.

*Provision of space situational awareness services and information (sec. 1604)*

The House bill contained a provision (sec. 1603) that would terminate on January 1, 2024, the authority of the Department of Defense (DOD) to provide space situational awareness data to commercial and foreign entities. The provision would further require the Secretary of Defense to enter into a contract with a federally funded research and development center (FFRDC) to assess which department or departments should assume these authorities. This provision would also direct the Secretary of Defense to develop and submit to Congress a plan to ensure that one or more departments may provide space situational awareness services to non-U.S. Government entities.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would strike the requirement for a contract with an FFRDC and instead require the President to submit to the appropriate congressional committees no later than 180 days from the date of enactment of this Act a plan for a department or agency other than the DOD to provide space situational awareness services and information to commercial and foreign entities.

*Budget assessments for national security space programs (sec. 1605)*

The House bill contained a provision (sec. 1604) that would extend the requirement for an annual report on the budget for national security space programs to fiscal year 2021 and allow the Secretary of Defense to submit the report up to 30 days after the date on which the President submits the budget request to Congress.

The Senate amendment contained no similar provision.

The Senate recedes.

*Improvements to commercial space launch operations (sec. 1606)*

The Senate amendment contained a provision (sec. 1604) that would prohibit the imposition by the Secretary of Defense of requirements duplicative of those imposed by the Secretary of Transportation under chapter 509 of title 10, United States Code. The provision would allow the Secretary of Defense to waive this prohibition if he determines that imposing a requirement is necessary to avoid negative consequences for the national security space program.

The House bill contained no similar provision.

The House recedes with a technical amendment and an amendment that would grant the above waiver authority to the Secretary of the Air Force, with a requirement to notify the Secretary of Transportation first.

*Space warfighting policy, review of space capabilities, and plan on space warfighting readiness (sec. 1607)*

The House bill contained a provision (sec. 1612) that would require the Secretary of Defense to develop and commence implementation of a plan that identifies joint mission-essential tasks for space as a warfighting domain.

The Senate amendment contained a provision (sec. 1602) that would require the Secretary of Defense to develop a space warfighting policy not later than March 29, 2019. The provision would also direct the Secretary of Defense to conduct a review relating to the national security space enterprise, including resiliency, attribution challenges, deterrence, acquisition cycles, organizational structures, and emerging threats.

The House recedes with amendments that would incorporate the plan required by the House provision into the Senate provision, both due not later than March 29, 2019, and modify several of the specific requirements of the review required by the Senate provision. The conferees also encourage coordination with the Director of National Intelligence as the review is conducted and this policy is developed.

The conferees note that national security satellites face growing threats from potential adversary attacks, such as anti-satellite weapons or jamming, and from environmental hazards, such as orbital debris. A single launch failure, on-orbit problem, or attack on a single satellite could result, in some cases, in the loss of billions of dollars of investment and a significant loss of capability. Protecting space assets has therefore become a priority for the Department, and funding for space protection has increased in recent years.

Accordingly, the conferees direct the Comptroller General of the United States to conduct a review of space protection programs of the Department of Defense, including a review of the

status of the primary space protection acquisition efforts underway or planned by the Department. The conferees are also interested in the extent to which these efforts and plans are coordinated across the Department and among other government, commercial, and international entities.

The conferees direct the Comptroller General to provide a briefing to the congressional defense committees no later than March 15, 2019, with a report to follow by a date agreed at the time of the briefing.

*Use of small- and medium-size buses for strategic and tactical satellite payloads (sec. 1608)*

The House bill contained a provision (sec. 1606) that would require the Secretary of Defense to provide a briefing on the risks, benefits, and cost savings associated with using small- and medium-size buses for strategic and tactical satellite payloads for protected satellite communications programs and next-generation overhead persistent infrared systems. The provision would also require the Director of Cost Assessment and Program Evaluation (CAPE) to certify that future analyses of alternatives include materiel solutions for using small- and medium-size buses. Finally, this provision would require the Secretary of Defense, Secretary of the Air Force, and the Chairman of the Joint Chiefs of Staff to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives, not later than 240 days after the date of the enactment of this Act, on alternative space-based architectures using small-, medium-, and large-size buses.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would specify that the CAPE assessments should be submitted at completion of each relevant analysis of alternatives, and that the briefing provided by the Secretary of Defense should also take into account requirements for radiation hardening of critical components.

*Enhancement of positioning, navigation, and timing capacity (sec. 1609)*

The House bill contained a provision (sec. 1605) that would require the Secretary of the Air Force to ensure that military Global Positioning System user equipment terminals have the capability to receive trusted signals from the Galileo and QZSS satellite constellations, starting with increment 2. This provision would also require the terminals to have the capability to receive non-allied positioning, navigation, and

timing signals if the Secretary of Defense determines that the benefits outweigh the risks or the risks can be appropriately mitigated.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would allow the Secretary of Defense to waive the requirement for increment 2 terminals to receive signals from Galileo and QZSS satellites if he determines it necessary for national security. The Secretary would not be able to delegate such waiver authority below the level of the Deputy Secretary of Defense and would be required to submit a report with the waiver providing rationale for why the capability was not incorporated into increment 2, and providing a plan and timeline for incorporation of the capability in future increments.

*Designation of component of Department of Defense responsible for coordination of modernization efforts relating to military-code capable GPS receiver cards (sec. 1610)*

The House bill contained a provision (sec. 1607) that would require the Secretary of Defense to designate a component of the Office of the Secretary of Defense to be responsible for coordinating common solutions for the military-code modernization efforts among the military departments, Defense Agencies, and other appropriate elements of the Department of Defense not later than 30 days after the date of enactment of this Act. The provision would also require the Secretary to submit a report no later than March 15, 2019, and annually through 2021, on these efforts.

The Senate amendment contained no similar provision.

The Senate recesses.

The conferees appreciate the efforts of the Council on Oversight of the Department of Defense Position, Navigation, and Timing Enterprise to support military-code modernization efforts thus far and encourage the Secretary to draw on the expertise of the Council.

*Designation of component of Department of Defense responsible for coordination of hosted payload information (sec. 1611)*

The House bill contained a provision (sec. 1608) that would make a series of findings and require the Secretary of Defense to designate a component of the Department of Defense to be responsible for coordinating information, processes, and lessons learned relating to use of commercially hosted payloads across the military departments, Defense Agencies, and other

appropriate elements of the Department of Defense not later than 30 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike the findings.

*Limitation on availability of funds for Joint Space Operations Center mission system (sec. 1612)*

The House bill contained a provision (sec. 1609) that would prohibit the obligation or expenditure of any funds for fiscal year 2019 for the Joint Space Operations Center Mission System (JMS) and limit obligation or expenditure of 25 percent of funds for fiscal year 2019 for the Enterprise Space Battle Management Command and Control program until the Deputy Secretary of Defense provides to the congressional defense committees a certification that the Secretary of the Air Force has entered into a contract to operationalize commercial space situational awareness processing software to address warfighter requirements and fill gaps in current space situational awareness capabilities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the limitation on funds for JMS to 50 percent and require the Secretary of the Air Force to submit the certification, rather than the Deputy Secretary of Defense.

*Evaluation and enhanced security of supply chain for protected satellite communications programs and overhead persistent infrared systems (sec. 1613)*

The House bill contained a provision (sec. 1610) that would require the Secretary of Defense to develop a plan for and conduct evaluations of supply chain vulnerabilities for protected satellite communications and next-generation overhead persistent infrared (OPIR) systems, and develop risk mitigation strategies for the identified vulnerabilities. The provision would also require the Secretary to establish requirements to carry out the supply chain vulnerability evaluation and submit such requirements to the congressional defense committees not later than 120 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

The conferees note that the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) contained a similar provision, section 1659, that required the Secretary of Defense to evaluate supply chain vulnerabilities for programs related to

nuclear weapons, nuclear command, control, and communications, continuity of government, and ballistic missile defense. The conferees encourage the Secretary to leverage work done in support of that requirement where appropriate, and do not intend for this provision to supersede section 1659.

The conferees note that the Air Force is currently planning to use an accelerated acquisition process to rapidly develop a block of next generation OPIR satellites, with fielding to begin in fiscal year 2025, and a follow-on block in fiscal year 2030. While this program is mainly intended to focus on core survivable strategic missile warning requirements, it is unclear whether and how it will satisfy other requirements, including those addressed by the legacy Space Based Infrared System (SBIRS). It is also unclear how technology development over the past decade will help inform the next generation program.

Accordingly, the conferees direct the Comptroller General of the United States to review the early planning for the next generation OPIR system and associated ground capabilities. The review should assess: 1) What challenges and risks, if any, does the next generation OPIR acquisition effort face, and what, if anything, is being planned to address these challenges and risks? 2) To what extent will the next generation OPIR system continue to fulfill existing key SBIRS capabilities? 3) To what extent is the Air Force coordinating with other agencies inside and outside the Department of Defense, such as the Missile Defense Agency, to help ensure sustainment of current capabilities and limit the potential for duplicative acquisition efforts? 4) To what extent is the Air Force leveraging commercial space industry advances and technology development initiatives to develop a lower cost system sooner?

The Comptroller General shall provide an initial briefing to the congressional defense committees no later than March 15, 2019, with a report to follow at a date to be agreed upon at the time of the briefing.

*Report on protected satellite communications (sec. 1614)*

The House bill contained a provision (sec. 1611) that would require the Secretary of Defense to submit a report to the congressional defense committees no later than December 31, 2018, on how specific protected satellite communications programs meet the requirements for resilience, mission assurance, and the nuclear command, control, and communication mission of the Department of Defense.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Report on enhancements to the Global Positioning System  
Operational Control Segment (sec. 1615)*

The Senate amendment contained a provision (sec. 1603) that would require the Secretary of the Air Force to submit a report to the congressional defense committees no later than 1 year after date of the enactment of this Act on potential further enhancements to the Operational Control Segment for the Global Positioning System to achieve capabilities similar to the Next Generation Operational Control Segment, including cybersecurity enhancements and other incremental capabilities. The report would also include the cost and schedule for such additional capabilities and enhancements.

The House bill contained no similar provision.

The House recedes with clarifying amendments.

*Report on persistent weather imagery for United States Central  
Command (sec. 1616)*

The House bill contained a provision (sec. 1614) that would require the Secretary of the Air Force to develop a plan to provide persistent weather imagery of the U.S. Central Command area of operations to the Command after 2025. The Secretary would be required to submit such plan to the congressional defense committees by March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead require the Secretary to submit a report with options to provide such imagery.

*Study on space-based radio frequency mapping (sec. 1617)*

The House bill contained a provision (sec. 1613) that would require the Secretary of Defense and the Director of National Intelligence to jointly conduct a study on the capabilities of the private sector with respect to radio frequency mapping and associated services for space-based electromagnetic collections.

The Senate amendment contained no similar provision.

The Senate recedes with clarifying amendments.

*Independent study on space launch locations (sec. 1618)*

The House bill contained a provision (sec. 1615) that would require the Secretary of Defense to enter into a contract with a federally funded research and development center (FFRDC) to conduct a study on space launch locations, including with

respect to the development and capacity of existing and new locations, and the vulnerabilities of the use of existing and new locations.

The Senate amendment contained no similar provision.

The Senate recesses with several amendments that would clarify the areas of focus of the study and remove the prohibition on entering into a contract with an FFRDC for which the Air Force Space Command or the Launch Center of the National Aeronautical and Space Administration is a sponsor.

The conferees continue to recognize the unique importance of U.S. Federal Aviation Administration-licensed spaceports and, when appropriate, encourage the use of such spaceports and complexes for certain orbits in support of national security space priorities. The conferees note that a variety of spaceports are already operational or in development, including in Georgia, New Mexico, Alaska, Oklahoma, Virginia, Texas, and Arizona; the conferees support this diversification of launch options available to the Department of Defense.

*Briefing on commercial satellite servicing capabilities (sec. 1619)*

The House bill contained a provision (sec. 1617) that would require the Secretary of Defense, in consultation with the Director of National Intelligence, to jointly provide to the congressional defense committees and to other appropriate committees upon request a briefing detailing the costs, risks, and operational benefits of leveraging commercial satellite servicing capabilities for national security satellite systems.

The Senate amendment contained no similar provision.

The Senate recesses.

## **SUBTITLE B—DEFENSE INTELLIGENCE AND INTELLIGENCE-RELATED ACTIVITIES**

*Role of Under Secretary of Defense for Intelligence (sec. 1621)*

The House bill contained a provision (sec. 1621) that would amend section 137 of title 10, United States Code, to clarify the responsibilities of the Under Secretary of Defense for Intelligence.

The Senate amendment contained no similar provision.

The Senate recesses with a clarifying amendment.

*Security vetting for foreign nationals (sec. 1622)*

The House bill contained a provision (sec. 1622) that would authorize the Secretary of Defense to apply additional security reviews to dual citizens seeking positions that require access to highly classified information.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would broaden the provision to vetting, instead of solely clearances, and would involve the Security Executive Agent.

*Department of Defense Counterintelligence polygraph program (sec. 1623)*

The House bill contained a provision (sec. 1623) that would amend section 1564a of title 10, United States Code, by authorizing the Secretary of Defense to add dual citizens to the Department of Defense counterintelligence polygraph program, for the purposes of assessing risk.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that specifies that this addition will only apply in the case of an authorized investigation.

*Defense intelligence business management systems (sec. 1624)*

The House bill contained a provision (sec. 1624) that would direct the Chief Management Officer of the Department of Defense to develop and implement standardized business process rules for the planning, programming, budgeting, and execution process for the Military Intelligence Program.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note that insufficient insight into the Military Intelligence Program budget inhibits the congressional oversight of the Military Intelligence Program.

*Modification to annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands (sec. 1625)*

The House bill contained a provision (sec. 1625) that would require the Department of Defense to incorporate into the existing report required by section 1626 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) data related to the number of requests for intelligence, surveillance, and reconnaissance capability and capacity submitted to the Chairman of the Joint Chiefs of Staff (CJCS) by the combatant commanders, the number

of requests formally validated by the CJCS, the quantity of validated requests tasked to the Services to fulfill, and the amount of validated requests actually fulfilled by the Services.

The Senate amendment contained no similar provision.

The Senate recesses.

*Framework on governance, mission management, resourcing, and effective oversight of combat support agencies that are also elements of the intelligence community (sec. 1626)*

The Senate amendment contained a provision (sec. 1611) that would require the Secretary of Defense to develop and codify in policy a framework and supporting processes within the Department of Defense to ensure that the missions, roles, and functions of the combat support agencies of the Department of Defense that are also elements of the intelligence community, and other intelligence components of the Department, are appropriately balanced and resourced.

The House bill contained no similar provision.

The House recesses with a clarifying amendment.

## **SUBTITLE C—CYBERSPACE-RELATED MATTERS**

*Reorganization and consolidation of certain cyber provisions (sec. 1631)*

The Senate amendment contained a provision (sec. 1624) that would amend part I of subtitle A of title 10, United States Code, by transferring sections 130g, 130j, and 130k, currently of chapter 3, to chapter 19, reorganizing this law under "Cyber Matters" rather than "General Powers and Functions."

The House bill contained no similar provision.

The House recesses.

*Affirming the authority of the Secretary of Defense to conduct military activities and operations in cyberspace (sec. 1632)*

The Senate amendment contained a provision (sec. 1622) that would affirm the authority of the Secretary of Defense to conduct military activities and operations in cyberspace, including clandestine military activities and operations, to defend the United States, its allies, and its interests, in anticipation of and in response to malicious cyber activities carried out against the United States or a United States person by a foreign power and would clarify that clandestine military activities or operations in cyberspace are traditional military

activities for the purposes of section 503(e)(2) of the National Security Act of 1947 (Public Law 80-253).

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the affirmation does not itself authorize any specific military activities or operations and should not be treated as an authorization for use of military force.

The conferees note that the Department of Defense faces difficulties within the interagency in obtaining mission approval. One of the challenges routinely confronted by the Department is the perceived ambiguity as to whether clandestine military activities and operations, even those short of cyber attacks, qualify as traditional military activities as distinct from covert actions requiring a Presidential Finding. As a result, with respect to actions that produce effects on information systems outside of areas of active hostilities, the Department of Defense has been limited to proposing actions that could be conducted overtly on attributable infrastructure without deniability—an operational space that is far too narrow to defend national interests. The conferees see no logical, legal, or practical reason for allowing extensive clandestine traditional military activities in all other operational domains (air, sea, ground, and space) but not in cyberspace. It is unfortunate that the executive branch has squandered years in interagency deliberations that failed to recognize this basic fact and that this legislative action has proven necessary.

The conferees, in this affirmation, specify that military activities and operations, or associated preparatory actions, conducted in cyberspace, marked by, held in, or conducted with secrecy, and carried out, (1) as part of a military operation plan approved by the President or the Secretary in anticipation of hostilities or as directed by the President or the Secretary, (2) to deter, safeguard, or defend against attacks or malicious cyber activities against the United States or Department of Defense information, networks, systems, installations, facilities, or other assets, or (3) in support of information related capabilities, indeed qualify as traditional military activities. Such activities include those conducted for the purpose of preparation of the environment, force protection, deterrence of hostilities, advancing counterterrorism operations, and in support of information operations or information-related capabilities. Information-related capabilities may include, when appropriate and approved, military deception and psychological operations.

The conferees do not intend or expect that this provision will result in the Department's unnecessarily or routinely conducting clandestine cyber attacks, especially those outside

of areas in which hostilities are occurring, but nonetheless recognize that it is important that the Department have the ability to respond to and prepare for hostilities in cyberspace. The conferees urge the Department to pursue more active engagement with and deterrence of adversaries in cyberspace. The conferees also urge the administration to reconfigure its interagency processes as necessary to ensure that the Department's operations are approved in an appropriately efficient and effective manner.

The conferees intend to conduct rigorous oversight of Department of Defense clandestine operations in cyberspace and expect the Department to keep the congressional defense committees apprised of activities and operations and informed regarding operational authorities and associated execute orders.

Finally, the conferees recognize that information operations are particularly contested and controversial. While the conferees agree that the Department should conduct aggressive information operations to deter adversaries, as is recommended by the Defense Science Board's Task Force on Cyber Deterrence in its February 2017 report, the conferees do not intend this affirmation as an authorization of clandestine activities against the American people or of activities that could result in any significant exposure of the American people and media to U.S. government-created information.

*Department of Defense Cyber Scholarship Program scholarships and grants (sec. 1633)*

The House bill contained a provision (sec. 1640) that would amend section 2200c of title 10, United States Code, to require consideration, in the scholarship granting process authorized in section 2200a of the same title, of whether the candidates in question are pursuing education at historically Black colleges and universities or other minority-serving institutions.

The Senate amendment contained an identical (sec. 6101) provision.

The conference agreement includes this provision.

*Amendments to pilot program regarding cyber vulnerabilities of Department of Defense critical infrastructure (sec. 1634)*

The House bill contained a provision (sec. 1631) that would modify section 1650 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to incorporate the Defense Digital Service into pilot program authorities for identifying innovative methodologies and engineering approaches

to evaluate vulnerabilities of Department of Defense critical infrastructure. The provision would also extend deadlines associated with the program.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Modification of acquisition authority of the Commander of the United States Cyber Command (sec. 1635)*

The Senate amendment contained a provision (sec. 1627) that would amend section 807 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) by extending the acquisition authority established in that section for the Commander, U.S. Cyber Command, through fiscal year 2025 and raising the limit on obligation and expenditure pursuant to that authority to \$250.0 million.

The House bill contained no similar provision.

The House recesses with an amendment that would eliminate the increase of the limit on obligation and expenditure. The conferees direct the Commander, U.S. Cyber Command, to provide, not later than 180 days after the enactment of this Act, to the congressional defense committees a report detailing the use of this authority to date.

The report shall include an assessment of any impacts of the expenditure limit set on the exercise of this authority on planned Cyber Command acquisition activities, as well as a juxtaposition of the types of cyber-peculiar products, services, and technologies procured using this authority and those cyber capabilities procured by the Services using their acquisition authorities. The report shall also include the definition of cyber-peculiar capabilities and cyber-peculiar services, a description of memoranda of agreements with the Services for acquisition of cyber capabilities, and details regarding the acquisition expertise at U.S. Cyber Command, including the number of senior acquisition executives and contracting officials authorized to be hired at the headquarters.

*Policy of the United States on cyberspace, cybersecurity, cyber warfare, and cyber deterrence (sec. 1636)*

The Senate amendment contained a provision (sec. 1621) that would establish the policy of the United States with respect to cyberspace, cybersecurity, and cyber warfare.

The Senate amendment contained another provision (sec. 6601) that would amend section 1621 to narrow the policy's prescriptions to only apply to cyber attacks and malicious cyber activities by a foreign power.

The House bill contained no similar provision.

The House recesses with an amendment that would integrate both provisions and would make minor changes to the statement of policy, striking the priorities of the United States in carrying out the policy and the policy on sovereignty in cyberspace. The amendment would also require an update on the Presidential Policy submitted to the Congress pursuant to section 1633 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The conferees note that the policy submitted to the Congress was incomplete. The 6-page memorandum, written in response to the reporting requirement of the National Defense Authorization Act, introduced a 63-page report written in response to Executive Order 13800. The conferees were disappointed with the former's brevity and the latter's significant number of items to be resolved. The report in sum evinced little consideration of the difficult choices intrinsic to the policy-making process, instead recommending further working groups, task forces, and deliberation for the creation and implementation of a national strategy in cyberspace.

The conferees therefore seek an update on the progress of the core initiatives recommended by report: the establishment of a policy for cost imposition, a menu for consequences, policy-planning guidance, and the Cyber Deterrence Initiative.

In reporting the status of these initiatives, the conferees urge the President to include, to the extent possible and protected by classification, as necessary: (1) the administration's plans, including specific planned actions, regulations, and legislative action required for their development; (2) steps taken to date to prepare for the imposition of consequences against the Russian Federation, People's Republic of China, Democratic People's Republic of Korea, and the Islamic Republic of Iran in cyberspace (e.g., zero-day discovery, tool-development, and prepositioning of malware) and through other instruments of national power; and (3) criteria for use of particular consequences, including criteria as to when responsive cyber attacks are likely to be particularly escalatory, as to when, and specifically against which adversaries, responsive cyber attacks are likely to be particularly effective as means of deterrence, and as to when the risk and consequences of escalation due to responsive action outweigh the risk and cost of non-action or action by financial, law enforcement, and diplomatic means alone.

The conferees also urge the President to include the administration's considerations and determinations surrounding: (1) whether all cyber attacks of significant consequence below the threshold of war demand response; (2) whether significant

attacks on private sector companies outside of critical infrastructure demand response, including examples of attacks on companies that might beget response; (3) whether, in certain circumstances, the United States should privilege immediacy in response to achieving full technical attribution; (4) under what circumstances the United States should attempt to blunt, render useless, or defeat detected attacks through offensive cyber action in real-time, including examples of such circumstances; (5) how the United States can balance the establishment of stable norms in cyberspace and responsive offensive action, including through diplomatic means; (6) how the United States balances the sovereignty and equities of third-party countries whose infrastructure hosts or accommodates transit of adversary malware, including examples of feasible and infeasible actions; and (7) how the United States balances privacy, freedom of action, and values implicit to a market economy in imposing cybersecurity and disclosure requirements on the private sector, including an assessment of the adequacy of current law and regulations.

*Budget display for cyber vulnerability evaluations and mitigation activities for major weapon systems of the Department of Defense (sec. 1637)*

The House bill contained a provision (sec. 1632) that would require that the justification materials submitted to the Congress by the Secretary of Defense in support of the President's annual budget request for the Department of Defense include a consolidated display for cyber vulnerability evaluations and mitigation activities for each major weapon system beginning in fiscal year 2021.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify the classification procedures governing this requirement.

The conferees are concerned that the Department has yet to integrate cyber vulnerability evaluations and mitigation activities into the acquisition and budgeting timelines of its major programs. The conferees hope that this provision will encourage the notion that cyber vulnerability evaluations and mitigation activities are standard operation and maintenance. The conferees do not, however, intend this provision to in any way reveal the nature, content, or severity of discovered vulnerabilities and thus encourage the Department to protect through classification any material that could serve to aid adversaries' discovery of cyber vulnerabilities.

*Determination of responsibility for the Department of Defense Information Networks (sec. 1638)*

The House bill contained a provision (sec. 1633) that would mandate that the Secretary of Defense transfer all roles, missions, and responsibilities of the Commander, Joint Force Headquarters-Department of Defense Information Networks (JFHQ-DODIN) from the Defense Information Support Agency (DISA) to the Commander, United States Cyber Command, by September 30, 2019, subject to a certification that such transfer would not result in mission degradation.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the mandate and would instead require the Secretary of Defense to submit to the congressional defense committees a report assessing the current JFHQ-DODIN command and control structure, the adequacy of DISA's institutional support to the JFHQ-DODIN mission, and JFHQ-DODIN's resource requirements and mission effectiveness. The report would also specify a determination and justification regarding the transfer of all or some of the roles, missions, and responsibilities of JFHQ-DODIN to the Commander, United States Cyber Command, along with a timeline and strategy for mitigating the risk of any such transfer.

*Procedures and reporting requirement on cybersecurity breaches and loss of personally identifiable information and controlled unclassified information (sec. 1639)*

The House bill contained a provision (sec. 1636) that would require the Secretary of Defense to promptly notify, and establish procedures for notification of, the congressional defense committees in the event of a significant loss of personally identifiable information of at least 250 civilian or uniformed members of the Armed Forces.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would insert an additional notification requirement for the theft, loss, or disclosure of controlled information of significant volume or national security concern.

The conferees are concerned by the recent theft of controlled information from a contractor for the Navy. Similarly troubling, the congressional defense committees were only alerted to this significant breach months after the initial loss. While the conferees understand that extenuating circumstances dictated that senior members of Navy leadership were similarly late to notification of the theft and that the investigation is on-going, this communication delay, both within

the Department of Defense and across the branches of government, is unacceptable for a loss of this magnitude. The conferees thus expect the congressional defense committees to be notified, through the procedures established under this provision, of future losses of controlled information and will continue to exercise their oversight and legislative responsibilities to correct the failures evinced in this incident.

*Program to establish cyber institutes at institutions of higher learning (sec. 1640)*

The House bill contained a provision (sec. 1637) that would authorize the Secretary of Defense to establish a Cyber Institute at each of the senior military colleges.

The Senate amendment contained a similar provision (sec. 1635) that would authorize the Secretary of Defense to establish a Cyber Institute at any college or university that hosts a Reserve Officers' Training Corps program, with special consideration for the Senior Military Colleges.

The House recedes.

*Matters pertaining to the SharkSeer cybersecurity program (sec. 1641)*

The House bill contained a provision (sec. 1640A) that would require the Secretary of Defense to submit to the congressional defense committees a report that assesses the transition of the SharkSeer program from the National Security Agency (NSA) to the Defense Information Systems Agency (DISA).

The Senate amendment contained a provision (sec. 1629) that would require the Secretary of Defense to transfer the SharkSeer cybersecurity program from the NSA to the DISA. In executing this transfer, the Secretary would be required to also transfer all funding and, as needed, personnel for the program. The provision would also: fence 10 percent of the funding available for obligation in fiscal year 2019 and subsequent years for NSA's Information Systems Security Program, PE 33140G, until the Principal Cyber Advisor certifies that the operations and maintenance funding for the SharkSeer program for fiscal year 2019 and the subsequent fiscal years of the current future years defense program are available or programmed; require the Secretary of Defense to adopt the SharkSeer "break and inspect" decryption capability as the Department's enterprise solution for endpoint decryption; and authorize an increase of \$20.0 million to the \$790.2 million requested for the DISA in Procurement, Defense-wide, to increase the bandwidth of the SharkSeer system.

The House recedes with an amendment that would: require the transfer of the operations and maintenance for the SharkSeer cybersecurity program from the NSA to the DISA, including any associated funding and, as necessary, personnel; require the Chief Information Officer to submit a report on such transfer, including a plan for continued partnership with the NSA in capability development; and strike the funding authorization.

*Active defense against the Russian Federation, People's Republic of China, Democratic People's Republic of Korea, and Islamic Republic of Iran attacks in cyberspace (sec. 1642)*

The Senate amendment contained a provision (sec. 1623) that would authorize the National Command Authority to direct the Commander, U.S. Cyber Command, to take appropriate and proportional action through cyberspace to disrupt, defeat, and deter systematic and ongoing attacks by the Russian Federation in cyberspace. The provision would direct the Secretary of Defense, using the results of the surveillance conducted through CYBERCOM, also authorized in the provision, to work with social media companies on a voluntary basis to assist those companies in identifying accounts created by personnel and organizations engaged at the behest of or in support of the Russian Federation and that violate the companies' terms of service.

The Senate amendment contained another provision (sec. 6601) that would amend section 1623 to narrow the authorization to only apply to foreign cyberspace.

The House bill contained no similar provision.

The House recedes with an amendment that would synthesize the two provisions, add authorizations for action against the People's Republic of China, the Democratic People's Republic of Korea, and the Islamic Republic of Iran, strike the explicit authorization of surveillance, and add a rule of construction governing the authorization.

The conferees have been disappointed with the past responses of the executive branch to adversary cyberattacks and urge the President to respond to the continuous aggression that we see, for example, in Russia's information operations against the United States and European allies in an attempt to undermine democracy. The administration's passivity in combatting this campaign, as documented repeatedly in hearings before the congressional defense committees in the past 2 years, in the judgment of numerous executive branch officials, will encourage rather than dissuade additional aggression. The Congress has worked diligently to ensure that the Department possesses the necessary capabilities and authorities to combat, in particular, these Russian information operations, and this authorization

represents further progress toward that objective. The conferees strongly encourage the President to defend the American people and institutions of government from foreign intervention.

The conferees are also cognizant of the significant cyber threats posed by the People's Republic of China, the Democratic Republic of Korea, and the Islamic Republic of Iran and urge the President to take action to disrupt, defeat, and deter the systematic cyber attacks.

*Designation of official for matters relating to integrating cybersecurity and industrial control systems within the Department of Defense (sec. 1643)*

The Senate amendment contained a provision (sec. 1625) that would require the Secretary of Defense to designate one official as responsible for the integration of cybersecurity and industrial control systems within the Department of Defense, to include the development of Department-wide standards for integration of industrial control systems and the potential applicability of frameworks set forth by the National Institute of Standards and Technology and similar organizations.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the official would only be responsible for industrial control systems owned by the Department of Defense or operated on behalf of the Department of Defense.

*Assistance for small manufacturers in the defense industrial supply chain and universities on matters relating to cybersecurity (sec. 1644)*

The Senate amendment contained a provision (sec. 1626) that would require the Secretary of Defense, acting through the Chief Information Officer and Under Secretary of Defense for Research and Engineering, to improve awareness of cybersecurity threats among small-and medium-sized manufacturers in the defense industrial supply chain, including via: the development of cybersecurity self-assessments to enhance firms' understanding of network vulnerabilities and the Department's cybersecurity standards; the transfer of appropriate cybersecurity technology and techniques developed in the Department of Defense to these businesses; and the establishment of a cyber counseling certification program.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, acting through the Chief Information Officer and Under Secretary of Defense for Research and

Engineering, to improve awareness of cybersecurity threats among universities, in addition to small-and medium-sized manufacturers, in the defense industrial supply chain and to establish a broader cybersecurity activity for the defense industrial base as needed.

*Email and Internet website security and authentication (sec. 1645)*

The Senate amendment contained a provision (sec. 1628) that would require the Secretary of Defense to implement the requirements of the Binding Operational Directive 18-01, issued by the Secretary of the Department of Homeland Security on October 16, 2017, unless the Secretary certifies that existing or planned security measures exceed the requirements of the directive.

The House bill contained no similar provision.

The House recedes with an amendment that would eliminate the specification of actions to be undertaken as part of the implementation of Binding Operational Directive 18-01 and would add the governmental affairs committees of the Senate and House of Representatives as recipients of the certification.

The conferees note that Binding Operational Directive 18-01 required the following actions, all accepted practices across the private and public sectors: (1) The adoption of the START Transport Layer Security protocol for encryption; (2) Enforcement of Sender Policy Framework, Domain Keys Identified Mail, and Domain-based Message Authentication, Reporting & Conformance for email authentication; and (3) Implementation of Hypertext Transfer Protocol Strict Transport Security.

*Security product integration framework (sec. 1646)*

The Senate amendment contained a provision (sec. 1631) that would require the Assistant Secretary of Defense for Homeland Defense and Global Security, the Chief Information Officer, and the Commander, U.S. Cyber Command, to select a network or network segment and associated computer network defense service provider to conduct a demonstration and evaluation of one or more existing security product integration frameworks, including through modification of network security systems to enable such systems to ingest, publish, subscribe, tip and cue, and request information or services from each other.

The House bill contained no similar provision.

The House recedes with an amendment that would strike the findings.

The conferees note that: (1) The Department of Defense requires a standard, enterprise-wide, security product integration framework that provides a machine-to-machine data exchange architecture and protocol to achieve interoperability and automated orchestration and coordinated action between and among cybersecurity services, devices, appliances, agents, applications, tools, and command and control centers; (2) Information security products and services need to be engineered to consume and act on information, direction, and cues from other security elements on a network through this framework; (3) A security product integration framework should ideally be non-proprietary or designed as a modular open system; and (4) A security integration framework is essential to achieve the speed, scale, and agility of response required for cyber warfare and to reduce the cost and time needed to integrate new products and services into the existing security environment.

*Information security continuous monitoring and cybersecurity scorecard (sec. 1647)*

The Senate amendment contained a provision (sec. 1633) that would prohibit the obligation or expenditure of funds for the Cybersecurity Scorecard after October 1, 2019, unless the Department of Defense is implementing by that date a funded program pursuant to section 1653 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to fulfill the requirements established by the Chief Information Officer and the Commander, U.S. Cyber Command, in the Information Security Continuous Monitoring Strategy, Comply-to-Connect Strategy, Enterprise Patch Management Service Strategy and Concept of Operations, and User Activity Monitoring Strategy. The provision would also require the Director of Cost and Program Evaluation to submit to the congressional defense committees a report comparing the Department's requirements for information security continuous monitoring and the comply-to-connect capabilities deployed by the Department of Homeland Security and the General Services Administration.

The House bill contained no similar provision.

The House recesses with an amendment that would add a requirement for a review and validation of the Department of Defense's current information security continuous monitoring requirements and policies to the report.

*Tier 1 exercise of support to civil authorities for a cyber incident (sec. 1648)*

The Senate amendment contained a provision (sec. 6602) that would require the Commander, U.S. Cyber Command, the Commander, U.S. Northern Command, and other commanders or components of the Department of Defense as the Secretary of Defense considers appropriate to conduct a tier 1 exercise of support to civil authorities for a cyber incident.

The House bill contained no similar provision.

The House recesses.

*Pilot program on modeling and simulation in support of military homeland defense operations in connection with cyber attacks on critical infrastructure (sec. 1649)*

The Senate amendment contained a provision (sec. 1630) that would require the Assistant Secretary of Defense for Homeland Defense and Global Security to carry out a pilot program on modeling and simulation in support of military homeland defense operations through U.S. Northern Command and U.S. Cyber Command. The pilot program would be based on the results and lessons learned from ongoing research exercises involving local government, industry, and military responses to combined natural disasters and cyber attacks on critical infrastructure. The provision would authorize \$10.0 million for this pilot.

The House bill contained no similar provision.

The House recesses with an amendment that would generalize the program through adjustment to its scope, would eliminate its required execution through the combatant commands, and would eliminate the authorization.

*Pilot program authority to enhance cybersecurity and resiliency of critical infrastructure (sec. 1650)*

The House bill contained a provision (sec. 1634) that would authorize the Secretary of Defense, in coordination with the Secretary of Homeland Security, to provide technical cyber personnel to the Department of Homeland Security (DHS) to enhance cooperation, collaboration, and unity in government efforts in support of the protection of critical infrastructure.

The Senate amendment contained no similar provision.

The Senate recesses.

The conferees note the Department of Defense's (DOD) ongoing efforts to coordinate with the DHS and expect to see such collaboration continue in the future. In particular, the conferees fully support cooperative strategy development and policy-making to ensure that the DOD and the DHS maintain complementary roles and responsibilities and pursue mutually

beneficial policies in the realm of cybersecurity. Therefore, the conferees urge the DOD to place the personnel as part of this pilot program in: DHS's Office of Strategy, Policy, and Plans; the office of the Director, Strategy, Policy, and Plans in the National Protection and Programs Directorate (NPPD); and the NPPD's National Cybersecurity and Communications Integration Center.

*Pilot program on regional cybersecurity training center for the Army National Guard (sec. 1651)*

The House bill contained a provision (sec. 1635) that would authorize the Secretary of the Army to carry out a pilot program to establish a National Guard cyber security training center for members of the Army National Guard for interagency and cross-society cyber education.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment that establishes a sunset for the authorization.

*Cyberspace Solarium Commission (sec. 1652)*

The Senate amendment contained a provision (sec. 1634) that would establish the Cyberspace Solarium Commission, tasked with developing a strategic approach to protecting and advancing the United States' advantages in cyberspace. The Commission would weigh the benefits and costs of various strategic frameworks (e.g., deterrence, norms-based regimes, and cyber persistence), evaluate the sufficiency of the current allocation of resources in cyberspace, and consider potential realignments in governmental structure and authorities.

The House bill contained no similar provision.

The House recedes with an amendment that would adjust the scope of the Commission, tasking it with developing consensus on a strategic approach to defending the Nation in cyberspace against cyber attacks of significant consequences and making a series of technical changes regarding the structure, authorities, and limitations of the Commission.

*Study and report on reserve component cyber civil support teams (sec. 1653)*

The House bill contained a provision (sec. 1638) that would require the Secretary of Defense and the Secretary of Homeland Security to conduct a study on the feasibility and advisability of establishing cyber civil support teams comprising Reserve Component members, primarily operating under

the command and control of the Governor of each State, to prepare for and respond to cyber incidents, cyber emergencies, and cyber attacks.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would require additional considerations in the study.

The conferees note that establishment of cyber civil support teams may have significant impacts on, or conflict with, current roles, responsibilities, policies, and resources of agencies and entities in cyberspace and seek greater clarity on these impacts.

*Identification of countries of concern regarding cybersecurity (sec. 1654)*

The Senate amendment contained a provision (sec. 1638) that would require the Secretary of Defense to create a prioritized list of countries of concern related to cybersecurity based on their governments' hostility, intelligence activity, criminal activity, and willingness and ability to disrupt the U.S. government's supply chain.

The House bill contained no similar provision.

The House recesses with an amendment that would adjust the criteria for inclusion on the list.

*Mitigation of risks to national security posed by providers of information technology products and services who have obligations to foreign governments (sec. 1655)*

The Senate amendment contained a provision (sec. 1637) that would establish definitions for subsequent provisions relating to the establishment of a program to mitigate the risks derivative of foreign governments' code review of information technology products used by the Department of Defense.

The Senate amendment contained another provision (sec. 1639) that would prohibit the Department of Defense's use of any information technology, cybersecurity, industrial control system, weapons system, or computer antivirus system unless the provider discloses to the Secretary of Defense: (1) whether it has allowed a foreign government to review or access a product custom-developed for the Department of Defense or is under any obligation to provide a foreign person or government with access or review of such a product; (2) whether it has allowed a government listed in the report required by section 1638 of the Senate amendment to review or access the source code of a product, system, or service that the Department is using or intends to use or is under any obligation to do so; and (3)

whether it holds or has sought a license pursuant to the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations, or successor regulations, for information technology products, components, software, or services.

The Senate amendment contained another provision (sec. 1640) that would require the Secretary of Defense to establish a registry containing the information on foreign governments required by section 1638 of the Senate amendment and on providers of information technology products and services required by section 1639 of the Senate amendment, to be made available to any agency conducting a procurement pursuant to the Federal Acquisition Regulations and Defense Federal Acquisition Regulations.

The House bill contained no similar provision.

The House recedes with an amendment that would: integrate the three provisions (sec. 1637, 1639, and 1640), make a series of technical changes surrounding the use of "non-commercial" vice "custom-developed"; limit the disclosure requirements to code-sharing or code-sharing agreements that occurred within 5 years prior to enactment; exempt products, services, and systems procured or acquired prior to enactment from the non-use requirement; exempt open-source software; and require the Secretary of Defense to issue regulations governing the implementation of this non-use.

While the conferees believe that this provision is a necessary step toward minimizing the supply chain risk posed by companies like Kaspersky, the conferees urge the Secretary to take actions to minimize the potential injury of the non-use requirement, to both the Department and industry.

The conferees recognize that, absent the required regulations, the non-use requirement is all-encompassing and thus encourage the Secretary to exempt from this requirement any product, system, or service if: (1) Its source code has been exported pursuant to a license or license exception granted under the Export Administration Regulations (15 C.F.R. §§ 730-774); (2) It is not itself, and is not a component of, a National Security System; (3) It is not a cybersecurity tool, system, or application or does not have a built-in cybersecurity tool, system, or application; or (4) It is subjected only to a de minimis disclosure under restricted access conditions, as defined by the Secretary. The conferees also urge the Secretary to exempt any further products, systems, and services and implement this provision so as to minimize supply chain risk and advance national security.

The conferees also note that the information required to be disclosed to the Department in the provision is: (1) generally considered commercial information; (2) obtained from a person; and (3) most likely confidential. Therefore, the conferees expect that exemption 4 of section 552(b) of title 5 will likely apply to information obtained under this provision.

*Report on Cybersecurity Apprentice Program (sec. 1656)*

The House bill contained a provision (sec. 1640B) that would require the Secretary of Defense to submit to the congressional defense committees a report on the feasibility of establishing a Cybersecurity Apprentice Program to support on-the-job training for certain cybersecurity positions and to facilitate the acquisition of cybersecurity certifications.

The Senate amendment contained no similar provision.

The Senate recesses.

The conferees note the Department's experimental use of recruitment, retention, and training techniques particular to cyber personnel, both civilians and servicemembers. The conferees, however, are also interested in the possibility of applying traditional on-the-job training, such as those that already exist in the Services' "apprentice and journeymen" programs, throughout the Department for cyber jobs. The conferees see potential for apprentice programs for enlisted and civilian members of the Armed Forces as a means to improve operational capability.

*Report on enhancement of software security for critical systems (sec. 1657)*

The Senate amendment contained a provision (sec. 1632) that would require the Assistant Secretary of Defense for Homeland Defense and Global Security and the Chief Information Officer to conduct a technical and cost-benefit study of the merits of applying in the vulnerability assessments and remediation of critical systems fuzzing technology, formal programming, and the binary analysis and symbolic execution software security tools developed under the Cyber Grand Challenge program of the Defense Advanced Research Projects Agency.

The House bill contained no similar provision.

The House recesses with an amendment that would expand the scope of the study to include other advanced or immature technologies.

## **SUBTITLE D—NUCLEAR FORCES**

*Under Secretary of Defense for Research and Engineering and the Nuclear Weapons Council (sec. 1661)*

The House bill contained a provision (sec. 1641) that would add the Under Secretary of Defense for Research and Engineering as a member of the Nuclear Weapons Council and make a technical correction elsewhere in section 179 of title 10, United States Code.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Long-range standoff weapon requirements (sec. 1662)*

The House bill contained a provision (sec. 1642) that would allow the Secretary of the Air Force to retire the conventionally-armed AGM-86C and require the Secretary to ensure that a conventionally-armed long-range standoff weapon (LRSO) achieves initial operating capability (IOC) not later than 4 years after the nuclear-armed LRSO achieves IOC.

The Senate amendment contained a provision (sec. 1642) that would allow the Secretary to retire the conventionally-armed AGM-86C and require the Secretary to begin procurement and fielding of a conventionally-armed LRSO not more than 5 years after the nuclear LRSO completes initial operational test and evaluation.

The Senate recesses with an amendment that would change the deadline from 4 years to 5 years after the nuclear-armed LRSO achieves IOC.

*Acceleration of ground-based strategic deterrent program and long-range standoff weapon program (sec. 1663)*

The House bill contained a provision (sec. 1643) that would require the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Secretary of the Air Force, to develop and implement plans to accelerate the development, procurement, and fielding of the Ground Based Strategic Deterrent (GBSD) program and the Long-Range Standoff cruise missile program. For the GBSD, the provision would require the plans, when executed, to recapitalize the full intercontinental ballistic missile system without phasing or splitting the program. For both programs, the provision would require the plans to assess the benefits, risks, feasibility, costs, and cost savings of various options for accelerating the programs.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Procurement authority for certain parts of intercontinental ballistic missile fuzes (sec. 1664)*

The House bill contained a provision (sec. 1644) that would give the Department of Defense the authority to buy certain intercontinental ballistic missile fuze parts.

The Senate amendment contained a similar provision (sec. 1644).

The House recesses.

*Prohibition on reduction of the intercontinental ballistic missiles of the United States (sec. 1665)*

The House bill contained a provision (sec. 1645) that would prohibit the obligation or expenditure of fiscal year 2019 funds to reduce the responsiveness, alert level, or quantity of deployed U.S. intercontinental ballistic missiles to fewer than 400. The provision would provide an exception to this prohibition for activities related to maintenance and sustainment and activities to ensure safety, security, or reliability.

The Senate amendment contained no similar provision.

The Senate recesses.

*Extension of prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile (sec. 1666)*

The House bill contained a provision (sec. 1646) that would extend through fiscal year 2020 the prohibition on the obligation or expenditure of funds to retain the option for, or to develop, a mobile variant of the Ground-Based Strategic Deterrent missile.

The Senate amendment contained no similar provision.

The Senate recesses.

*Exchange program for nuclear weapons program employees (sec. 1667)*

The Senate amendment contained a provision (sec. 1643) that would require the Chairman of the Nuclear Weapons Council and the Administrator of the National Nuclear Security Administration (NNSA) to jointly establish a program to exchange civilian and military personnel on a temporary basis between the offices of the Department of Defense working on nuclear weapons policy, production, and force structure issues and the Office of the Deputy Administrator for Defense Programs at the NNSA.

The House bill contained no similar provision.

The House recesses.

The conferees note that the provision requires the Chairman and the Administrator to provide interim guidance to the congressional defense committees on the implementation of this program not later than 90 days from the date of enactment of this Act, and to implement such guidance not later than 180 days from the date of enactment. The conferees note that a similar initiative could also benefit nuclear nonproliferation efforts across the NNSA and the Department of Defense. Therefore, the conferees direct the Chairman and the Administrator to provide not later than 90 days from the date of enactment a plan to establish a similar program focused on nonproliferation programs in the future.

*Plan to train officers in nuclear command, control, and communications (sec. 1668)*

The Senate amendment contained a provision (sec. 1645) that would require the Secretary of Defense, in consultation with the Secretary of the Air Force, the Secretary of the Navy, and the Chairman of the Joint Chiefs of Staff, to develop a plan to train, educate, manage, and track field-grade military officers in nuclear command, control, and communications. The provision would require the Secretary to submit the plan to the congressional defense committees no later than 180 days from the date of enactment of this Act.

The House bill contained no similar provision.

The House recesses with an amendment that would require to the Secretary to develop the plan in consultation with the Commander, U.S. Strategic Command, in addition to the other officials described above.

*Independent study on options to increase Presidential decision-time regarding nuclear weapons employment (sec. 1669)*

The House bill contained a provision (sec. 1647) that would require the Secretary of Defense to enter into a contract with a federally funded research and development center to conduct a study on the potential benefits and risks of reducing the role of the launch-under-attack option in U.S. nuclear weapons planning.

The Senate amendment contained no similar provision.

The Senate recesses with amendments that would strike the findings and modify the requirement to a report on options to increase presidential decision-time related to employment of each leg of the nuclear triad.

*Extension of annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system (sec. 1670)*

The House bill contained a provision (sec. 1648) that would amend section 1043 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81) to extend the requirement by 3 years, through fiscal year 2022, for the annual report on the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.

The Senate amendment contained a provision (sec. 1647) that would extend the same reporting requirement by 5 years, through fiscal year 2024.

The House recedes with an amendment that would extend the requirement by 4 years, through fiscal year 2023.

*Plan for alignment of acquisition of warhead life extension programs and delivery vehicles for such warheads (sec. 1671)*

The Senate amendment contained a provision (sec. 1646) that would require the Chairman of the Nuclear Weapons Council to provide a proposal to better align acquisition of National Nuclear Security Administration (NNSA) warhead life extension programs with Department of Defense nuclear weapons delivery vehicle programs, and submit that plan to the congressional defense committees no later than February 15, 2019.

The House bill contained no similar provision.

The House recedes.

The conferees encourage the Chairman of the Nuclear Weapons Council to review work underway by the Government Accountability Office on alignment between the NNSA and the Air Force for the Long-Range Standoff Weapon to help inform implementation of this provision.

*Annual report on development of long-range stand-off weapon (sec. 1672)*

The Senate amendment contained a provision (sec. 6605) that would require the Secretary of the Air Force, in coordination with the Administrator for Nuclear Security, to submit on a semi-yearly basis through December 2024 to the congressional defense committees a report describing the joint development of the long-range stand-off weapon, including the missile developed by the Air Force and the W80-4 warhead life

extension program conducted by the National Nuclear Security Administration.

The House bill contained no similar provision.

The House recedes with amendments that would modify the deadlines such that the first report would be due not later than February 1, 2019, and annually thereafter until Milestone B approval is achieved. The amendments would also require the Secretary to coordinate with the Under Secretary of Defense for Acquisition and Sustainment in addition to the Administrator and to include the most recent estimated program acquisition cost when available.

*Sense of Congress on nuclear posture of the United States (sec. 1673)*

The House bill contained a provision (sec. 1649) that would express the sense of Congress regarding the nuclear posture of the United States.

The Senate amendment contained a provision (sec. 1649) that would make a series of findings and express the sense of the Senate on the 2018 Nuclear Posture Review.

The Senate recedes with amendments that would include elements of both provisions.

## **SUBTITLE E—MISSILE DEFENSE PROGRAMS**

*Development of persistent space-based sensor architecture (sec. 1675)*

The House bill contained a provision (sec. 1661) that would direct the Director of the Missile Defense Agency (MDA), in coordination with the Director of National Intelligence, the Commander of Air Force Space Command, and the Commander of U.S. Strategic Command, to complete a plan and initiate development in fiscal year 2019 for a space-based missile defense sensor architecture. This provision would limit obligation or expenditure of funds to initiate the space-based missile defense layer program until the plan is submitted to Congress.

The Senate amendment contained a provision (sec. 1660C) that would require the Director of the MDA to commence development of a persistent space-based sensor architecture capable of supporting the ballistic missile defense system, notwithstanding the outcome of the Missile Defense Review. The provision would also require that the Secretary of Defense submit a report, no later than 90 days after the date of enactment of this Act, to the congressional defense committees on the progress of and coordination between MDA, the Defense

Advanced Research Projects Agency (DARPA), and Air Force efforts in this area.

The Senate recedes with an amendment that would require MDA's efforts to develop a space-based sensor architecture for missile defense to be compatible with ongoing efforts within DARPA. Additionally, the amendment would reduce the funding limitation to 15 percent and would require such authorization to be subject to the availability of appropriations.

*Boost phase ballistic missile defense (sec. 1676)*

The House bill contained a provision (sec. 1662) that would require the Director of the Missile Defense Agency to begin a program in fiscal year 2019 to develop boost phase intercept capabilities that are either air-launched or ship-based, are cost-effective, and include a kinetic interceptor.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require such authorization to be subject to the availability of appropriations and remove subsections of the provision that would transfer responsibility from the Under Secretary of Defense for Research and Engineering to the Director of the Missile Defense Agency.

*Extension of requirement for reports on unfunded priorities of Missile Defense Agency (sec. 1677)*

The House bill contained a provision (sec. 1670) that would require the Director of the Missile Defense Agency to submit a report to the Secretary of Defense, the Chairman of the Joint Chiefs of Staff, and the congressional defense committees on the unfunded priorities of the Missile Defense Agency for fiscal years 2020 and 2021, within 10 days of the submission of the budget requests to Congress for those fiscal years.

The Senate amendment contained a provision (sec. 1653) that would amend section 1696 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114-328), removing the sunset requirement for the unfunded priorities list of the Missile Defense Agency.

The House recedes.

*Extension of prohibition relating to missile defense information and systems (sec. 1678)*

The Senate amendment contained a provision (sec. 1651) that would amend section 130h(e) of title 10, United States Code, by striking "January 1, 2019," and inserting "January 1,

2021," to extend the limitations on providing certain sensitive missile defense information to the Russian Federation and on integrating missile defense systems of the Russian Federation and the People's Republic of China into U.S. missile defense systems.

The House bill contained no similar provision.

The House recesses.

*Modification of requirement relating to transition of ballistic missile defense programs to military departments (sec. 1679)*

The Senate amendment contained a provision (sec. 1656) that would amend section 1676(b)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to clarify the equivalent of Milestone C approval for the Missile Defense Agency.

The House bill contained no similar provision.

The House recesses.

*Modification of requirement to develop a space-based ballistic missile intercept layer (sec. 1680)*

The Senate amendment contained a provision (sec. 1660D) that would modify section 1688 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) to require the Director of the Missile Defense Agency to commence development of a space-based ballistic missile intercept layer notwithstanding the outcome of the Ballistic Missile Defense Review.

The House bill contained no similar provision.

The House recesses with an amendment that would require that such development be subject to the availability of appropriations.

*Improvements to acquisition processes of Missile Defense Agency (sec. 1681)*

The House bill contained a provision (sec. 1663) that would require the Under Secretary of Defense for Research and Engineering (USD (R&E)) to transfer all research and development efforts and programs that have not yet reached milestone B to the Missile Defense Agency (MDA) if they are planned to be incorporated into the ballistic missile defense system or have explicit application for ballistic missile or hypersonic

defense. Further, the provision would require the Secretary of Defense to notify the congressional defense committees before any changes were implemented to MDA's unique acquisition authorities and/or missile defense requirements generation processes managed by U.S. Strategic Command. This provision would also require that MDA make the quarter and fiscal year for execution of planned flight tests unclassified, and would clarify roles of the Under Secretary of Defense for Acquisition and Sustainment with regards to missile defense decisions on acquisition and production milestone approvals.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the requirement to transfer authority and total obligation authority for research and development programs that have not yet received milestone B approval. The amendment would also change the notification period on changes to non-standard acquisition processes and responsibilities from 180 days to 90 days.

The conferees note multiple efforts across the USD (R&E) portfolio that would likely result in Missile Defense Agency (MDA) programs of record to be integrated within the ballistic missile defense system, including directed energy and hypersonic defense. The conferees direct the Under Secretary to provide a report to the Committees on Armed Services of the House of Representatives and Senate not later than six months after enactment of this act detailing current efforts that will be transitioned from other USD(R&E) organizations to MDA for development through 2023. The report shall include a summary of the efforts and funding required for such programs during the period covered by the future-years defense program as of the date of the plan, and how the transition will be accomplished and milestones that must be met prior to transfer.

#### *Layered defense of the United States homeland (sec. 1682)*

The House bill contained a provision (sec. 1664) that would express the sense of Congress in support of the Department of Defense's efforts to provide layered defense of the homeland and would require the Director of the Missile Defense Agency, in coordination with the Under Secretary of Defense for Policy, the Commander of U.S. Northern Command, and the Commander of U.S. Pacific Command, to provide a briefing to the congressional defense committees by January 31, 2019, on options to increase layered protection of the U.S. homeland, to include the continental United States, Hawaii, and Alaska, from the Democratic People's Republic of Korea and the Islamic Republic of Iran.

The Senate amendment contained a provision (sec. 1658) that would express the sense of the Senate that the United States should pursue regional missile defense assets to counter and deter cruise, short-to-medium-range ballistic, and hypersonic missile threats as well as continue to focus resources on developing an interoperable and integrated air-and-missile defense architecture. The provision would also require the Secretary of Defense to submit to the congressional defense committees, no later than 90 days after the enactment of this Act, a report on the Department of Defense's plan for the creation of a fully interoperable and integrated air and missile defense architecture, if consistent with the recommendations of the Missile Defense Review that commenced in 2017.

The Senate recedes with an amendment that would remove the findings and briefing in the House provision.

*Testing of redesigned kill vehicle prior to production and ground-based midcourse defense acceleration options (sec. 1683)*

The House bill contained a provision (sec. 1665) that would prohibit, subject to the provided waiver, a lot production decision for the redesigned kill vehicle (RKV) until after a successful flight intercept test.

The Senate amendment contained a provision (sec. 1657) that would express the sense of the Senate that the Missile Defense Agency (MDA) should accelerate the fielding, if technically feasible, of the planned additional 20 ground-based interceptors with RKVs at Fort Greely, Alaska, and ensure that the RKV has demonstrated the ability to accomplish its intended mission through a successful, operationally realistic flight test. The provision would also require the Director of the MDA to submit a report to the congressional defense committees no later than 180 days after the enactment of this Act on the ways that the MDA could accelerate such construction and deployment at Fort Greely.

The Senate recedes with an amendment that would require a report to assess the risks and benefits of accelerating deployment of RKVs at Fort Greely, Alaska.

*Requirements for ballistic missile defense capable ships (sec. 1684)*

The House bill contained a provision (sec. 1666) that would require the Secretary of the Navy to include ballistic missile defense ship requirements in all future force structure assessments.

The Senate amendment contained no similar provision.

The Senate recesses.

*Multiyear procurement authority for standard missile-3 IB guided missiles (sec. 1685)*

The House bill contained a provision (sec. 1667) that would authorize the Department of Defense to enter into a multiyear contract for the procurement of Standard Missile-3 Block IB missiles.

The Senate amendment contained a provision (sec. 1652) that would provide authority for the Secretary of Defense to enter into a multiyear contract for the procurement of up to 204 Standard Missile-3 Block IB guided missiles for the fiscal year 2019 through fiscal year 2023 program years, with advance procurement for economic order quantities also beginning in fiscal year 2019, pending the Director of Cost Assessment and Program Evaluation's confirmation of the Secretary of the Navy's preliminary findings as required by section 2306b of title 10, United States Code.

The House recesses with an amendment that would remove the cost analysis requirement.

*Limitation on availability of funds for Army lower tier air and missile defense sensor (sec. 1686)*

The House bill contained a provision (sec. 1668) that would limit the obligation or expenditure of funds for the Lower Tier Air and Missile Defense Sensor until the Secretary of the Army provides a report detailing the rationale for any delay, should the acquisition strategy propose an initial operating capability later than 2023. The provision would also require the Secretary of the Army to ensure that the performance specifications for the sensor identify certain requirements.

The Senate amendment contained no similar provision.

The Senate recesses.

*Missile defense radar in Hawaii (sec. 1687)*

The House bill contained a provision (sec. 1669) that would express the sense of Congress on accelerating the deployment of the homeland defense radar in Hawaii and would require alignment of the In-Flight Interceptor Communications System Data Terminal (IDT) with the homeland defense radar in Hawaii by requiring the Director of the Missile Defense Agency to provide a certification that the Department is on schedule to award the contract for the homeland defense radar in Hawaii by

December 31, 2018, and that the radar and the IDT will reach initial operating capability not later than fiscal year 2023.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require monthly updates if the Director of the Missile Defense Agency is unable to award the contract for the radar by December 31, 2018.

*Iron Dome short-range rocket defense system and Israeli cooperative missile defense program co-development and co-production (sec. 1688)*

The House bill contained a provision (sec. 1672) that would express the sense of Congress in support of the 10-year memorandum of understanding, commencing in fiscal year 2019, between the United States and Israel on missile defense cooperation.

The Senate amendment contained a provision (sec. 1654) that would authorize not more than \$70.0 million for the Missile Defense Agency to provide to the Government of Israel to procure components for the Iron Dome short-range rocket defense system through co-production of such components in the United States. The provision would also authorize not more than \$50.0 million for the Missile Defense Agency to provide to the Government of Israel for the procurement of the David's Sling Weapon System and not more than \$80.0 million for the Arrow 3 Upper Tier Interceptor Program, including for co-production of parts and components in the United States by U.S. industry. The provision would allow for the disbursement of these monies following the submission of their respective accompanying certifications.

The House recedes with an amendment that would express the sense of Congress in support of the 10-year memorandum of understanding, commencing in fiscal year 2019, between the United States and Israel on missile defense cooperation.

*Acceleration of hypersonic missile defense program (sec. 1689)*

The Senate amendment contained a provision (sec. 1659) that would require the Director of the Missile Defense Agency to accelerate the hypersonic missile defense program and deploy that program in conjunction with a persistent space-based missile defense sensor program.

The House bill contained no similar provision.

The House recedes with an amendment that would require such acceleration be subject to the availability of appropriations.

*Report on ballistic missile defense (sec. 1690)*

The House bill contained a provision (sec. 1671) that would require the Secretary of Defense to submit a report on ballistic missile defense that addresses the implications for planned programs of record, costs and resource prioritization, and strategic stability to the congressional defense committees not later than 30 days after the date of enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the findings and require the report to address new policies that are recommended by the Ballistic Missile Defense Review (BMDR) within 180 days of the completion of the BMDR.

*Sense of Congress on allied partnerships for missile defense (sec. 1691)*

The Senate amendment contained a provision (sec. 1660) that would express the sense of the Senate that the United States should seek additional opportunities to provide missile defense capabilities to allies and trusted partners and seek to expedite foreign military sales in delivering such missile defenses to those partners.

The House bill contained no similar provision.

The House recedes with a technical amendment.

*Sense of Congress on testing by Missile Defense Agency (sec. 1692)*

The Senate amendment contained a provision (sec. 1660A) that would express the sense of the Senate that tests carried out by the Missile Defense Agency (MDA) that do not achieve their main intended objectives should not be considered failures and that the MDA should recognize the learning value of individual advancements made in all testing events. The provision would also express the sense of the Senate that the MDA should continue to build independently accredited modeling and simulation elements and pursue an increasingly rigorous testing regime in coordination with the Office of the Director, Operational Test and Evaluation to more rapidly deliver capabilities to the warfighter.

The House bill contained no similar provision.

The House recedes with an amendment that would change the sense of Senate to the sense of Congress and remove sections (1) and (2).

## **SUBTITLE F—OTHER MATTERS**

*Extension of Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Similar Events (sec. 1695)*

The House bill contained a provision (sec. 1681) that would extend several deadlines associated with the Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Similar Events.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would extend all the deadlines associated with the Commission by 1 year.

*Procurement of ammonium perchlorate and other chemicals for use in solid rocket motors (sec. 1696)*

The House bill contained a provision (sec. 1682) that would require the Secretary of the Army and the Deputy Assistant Secretary of Defense for Manufacturing and Industrial Base Policy to jointly conduct a business case analysis of a government-owned, contractor-operated model for specialty chemicals, including ammonium perchlorate, for use in solid rocket motors, and submit this analysis to the congressional defense committees by March 1, 2019. This provision would also require the Secretary of Defense to use full and open competition in awarding a contract for the sale of ammonium perchlorate from retired solid rocket motors, and to notify the congressional defense committees no later than 30 days after the date of any such award that does not use full and open competition.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the requirement for full and open competition for the sale of ammonium perchlorate, and instead require the Secretary of Defense to submit to the congressional defense committees an annual report on rockets or missiles provided to the Department that use a solid rocket motor that was, in whole or in part, recovered or recycled from a rocket motor previously owned by the Department. The report would include an identification of which missiles or rockets use recycled ammonium perchlorate, the quantity of that material, and whether any of the solid rocket propellant or precursor is imported from a foreign country.

The conferees direct the Under Secretary of Defense for Acquisition & Sustainment to provide a briefing to the Armed Services Committees of the Senate and House of Representatives on contracts of the Department for disposal of solid rocket

motors, including the value of the ammonium perchlorate contained in these motors and whether, and, if so, how, that value affects the value of the contracts. The briefing should accompany the first report that would be required by this provision.

*Budget exhibit on support provided to entities outside Department of Defense (sec. 1697)*

The committee recommends a provision that would require the Under Secretary of Defense (Comptroller) to include in the budget justification materials accompanying the President's budget request each year a budget exhibit containing all relevant details on Department of Defense support to the programs at the Executive Office of the President related to senior leader communications and continuity of government programs.

The House bill contained no similar provision.

The House recesses.

*Conventional prompt global strike hypersonic capabilities (sec. 1698)*

The House bill contained a provision (sec. 1683) that would require the Secretary of Defense to submit to the congressional defense committees a validated requirement for ground-, sea-, or air-launched (or a combination thereof) conventional prompt global strike (CPGS) capabilities by November 20, 2018. The provision would further require the Under Secretary of Defense for Acquisition and Sustainment to submit a report to the congressional defense committees by January 31, 2019, on the plan to deliver a CPGS capability in accordance with section 1693 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The Senate amendment contained no similar provision.

The Senate recesses with amendments that would change the deadline for the Secretary of Defense to 180 days from the date of enactment of this Act and make several other technical changes.

*Report regarding industrial base for large solid rocket motors (sec. 1699)*

The House bill contained a provision (sec. 1684) that would require the Under Secretary of Defense for Acquisition and Sustainment to submit a report to the appropriate congressional committees by April 15, 2019, on whether, and, if so, how, the

Federal Government will sustain more than one supplier for large solid rocket motors. The report would include an assessment of several matters, including risks, costs, and options for sustaining more than one supplier by leveraging various programs of the Department of Defense and the Federal Government.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would remove an interim briefing requirement in the House provision.

The conferees expect the Under Secretary to leverage analysis done in support of the requirement contained in section 1695 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91), which was due on March 1, 2018, and submit both reports promptly. The conferees also expect the Secretary of the Air Force to take into account the anticipated difference in life cycle cost for the ground-based strategic deterrent program when considering options for sustaining more than one supplier for large solid rocket motors, and inform the Congress of that cost difference appropriately.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

### *Report on space debris*

The House bill contained a provision (sec. 1616) that would require the Secretary of Defense, not later than 240 days after the date of the enactment of this Act, to submit to the Committee on Armed Services and the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Armed Services and Committee on Commerce, Science, and Transportation of the Senate a report on the risks posed by man-made space debris in low-earth orbit.

The Senate amendment contained no similar provision.

The House recesses.

The conferees take seriously the risks posed by man-made space debris in low-earth orbit. Accordingly, the conferees direct the Secretary of Defense to provide a briefing not later than 180 days after the date of enactment of this Act to the Committees on Armed Services of the House of Representatives and the Senate, and upon request to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate. The briefing shall cover the risks posed by man-made space debris in low-earth orbit and plans to remediate such risks in the future.

### *Prohibition on the availability of funds for Department of Defense assuming background investigation mission for the Federal Government*

The House bill contained a provision (sec. 1626) that would prohibit the Department of Defense from assuming the background investigation mission for the entire Federal Government before December 31, 2019.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that the administration decision to transfer the background investigation mission for the entire Federal Government introduces significantly increased risk for the Department of Defense. However, the conferees agree that for the sake of efficiency across the government, this decision is logical. The conferees expect that the Department will continue to pursue its focus on modernizing the background investigation function instead of taking over an existing and outdated process. The conferees are committed to continuing to monitor the Department's progress in taking over this new mission over the coming years.

#### *Establishment of Cybersecurity for Defense Industrial Base Manufacturing Activity*

The Senate amendment contained a provision (sec. 1636) that would authorize the Secretary of Defense to, in consultation with the National Institute of Standards and Technology, establish an activity to assess and strengthen the cybersecurity resiliency of the defense industrial base in the United States, including the development of cybersecurity test capabilities, development of training regimes, integration of defense industrial base cybersecurity into research and development roadmaps and threat assessments, and the dissemination of relevant capabilities to address threats to the defense industrial base.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that the activity in question is authorized in another provision in this Act.

#### *Inclusion of computer programming and cybersecurity in curriculum of Junior Reserve Officers' Training Corps*

The House bill contained a provision (sec. 1639) that would amend section 2200c of title 10, United States Code, to include computer programming and cybersecurity in the curriculum of Junior Reserve Officers' Training Corps program.

The Senate amendment contained no similar provision.

The House recesses.

*Metrics for evaluating effectiveness of integrated Ballistic Missile Defense System against operationally realistic ballistic missile attacks*

The Senate amendment contained a provision (sec. 1655) that would prohibit the Director of the Missile Defense Agency (MDA) from obligating 50 percent of funds available for the Command and Control, Battle Management and Communications program until the Director of the Missile Defense Agency establishes metrics for evaluating the effectiveness of the integrated Ballistic Missile Defense System and its components and elements against operationally realistic ballistic missile attacks on areas defended by U.S. combatant commands.

The House bill contained no similar provision.

The Senate recedes.

The conferees agree that more insight is needed on the composition of certain missile defense capabilities as they change over time and associated cost and schedule changes. Therefore, the conferees direct the Under Secretary of Defense for Research and Engineering, in coordination with United States Strategic Command, to submit a report to the congressional defense committees, within 90 days of enactment of this Act, on how Government Accountability Office (GAO) report recommendations from GAO-18-324 will be addressed and incorporated into future MDA policy documents to improve technical capability declaration (TCD) and operational capability baseline (OCB) processes to communicate capabilities and limitations when delivering integrated Ballistic Missile Defense spirals. The GAO recommendations to be addressed are as follows: (1) The Under Secretary of Defense for Research and Engineering should ensure that the Director of MDA clarifies, in written policy, the exact requirements process, and key milestones necessary to issue a TCD, including a requirement that the Assessment Requirements Review be held in such a time frame that it can provide meaningful input to MDA's test plans; and (2) The Under Secretary of Defense for Research and Engineering should ensure that the Director of MDA includes in capability delivery packages, such as the TCD memos and OCB change packages, the following: a. The verification, validation, and accreditation status of the models used in operational ground tests; and b. Modeling and simulation limitations that affect operational ground test results.

*Sense of the Senate on discrimination for missile defense*

The Senate amendment contained a provision (sec. 1660B) that would express the sense of the Senate that prioritizing

discrimination capabilities to improve missile defense effectiveness against current and future threats is critically important. The provision would also require the Director of the Missile Defense Agency (MDA) to submit a report no later than 90 days after the date of enactment of this Act describing improvements to discrimination required within the missile defense architecture, MDA's plan to rapidly field advanced discrimination capabilities, and an analysis of efforts to address the discrimination challenges of emerging adversary threats.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Director of MDA to deliver a report to the congressional defense committees, no later than 90 days after the enactment of this Act, to include: (1) Any needed discrimination improvements within the missile defense architecture; (2) MDA's plan to rapidly field advanced discrimination capabilities; and (3) An analysis of efforts to address discrimination challenges against emerging adversary threats, including hypersonic and cruise missiles.

#### *Assessment of electronic warfare capabilities of Russia and China*

The Senate amendment contained a provision (sec. 1661) that would require the Director of the Defense Intelligence Agency to conduct a comprehensive assessment of the electronic warfare capabilities of the Russian Federation and People's Republic of China.

The House bill contained no similar provision.

The Senate recedes.

The conferees note this assessment is required elsewhere in this Act.

#### *Development of Electromagnetic Battle Management capability for joint electromagnetic operations*

The Senate amendment contained a provision (sec. 1663) that would direct the Electronic Warfare Executive Committee to designate a military Service with the responsibility for acting as executive agent for the development of an Electromagnetic Battle Management capability for joint electromagnetic operations.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of Defense to provide a report to the Senate and House Committees on Armed Services no

later than February 5, 2019, that explains to the committees whether or not a military service within the Department should be designated as executive agent for activities and programs that would enable proper and expedient implementation of Electronic Warfare Battle-Management, and Command and Control (EW BMC2) strategy and policy. If the Secretary determines that a military service should be designated as executive agent for EW BMC2, the Secretary should include which Service should be designated as such and the rationale supporting that recommendation. If the Secretary determines that no military service should be designated as executive agent for EW BMC2, the conferees expect the Secretary to explain in the report how strategy, policy and governance for EW BMC2 will be implemented across the Department and Combatant Commands and which entity will be responsible for its effective implementation.

*Report on countermeasures test program*

The House bill contained a provision (sec. 1673) that would require the Director of the Missile Defense Agency (MDA) to submit, not later than 60 days after the date of the enactment of this Act, to the congressional defense committees a report on the status of the countermeasures test program.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Director of the MDA to deliver a report to the congressional defense committees on the status of the countermeasures test program no later than 60 days after the enactment of this Act. The report shall include an evaluation and response to the 2010 report by the JASON Defense Advisory Panel titled "MDA Discrimination," numbered JSR-10.620, with regard to the recommendations of that report on forming a countermeasures test program through an independent agency to: (1) Challenge the countermeasure efforts of the MDA; (2) Design countermeasures for the MDA; (3) Simulate such countermeasures against the national missile defense; and (4) As appropriate, in cooperation with the Director, build and test countermeasures in intercept flight tests.

*National Intelligence Estimate with respect to Russian and Chinese interference in democratic countries*

The House bill contained a provision (sec. 1685) that would direct the Director of National Intelligence to produce a National Intelligence Estimate on Russian and Chinese interference in democratic countries around the world.

The Senate amendment contained no similar provision.

The House recesses.

*Briefing on cyber education and training*

The Senate amendment contained a provision (sec. 6604) that would require the Secretary of Defense to brief the congressional defense committees on how the Department of Defense can leverage and partner with universities and industry in cyber education and training.

The House bill contained no similar provision.

The Senate recesses.

The conferees direct the Secretary of Defense to brief the congressional defense committees no later than 270 days after the date of the enactment of this Act on how the Department of Defense can partner with and leverage universities and industry in cyber education and training, to include: (1) Current partnerships and the Department's ability to expand and leverage such partnerships to improve cyber education and training; (2) Existing curricula relating to cyber education and training and recommendations for changes to ensure relevance of such education and training to future threats; (3) Joint development of curricula, courseware, and research projects; (4) Joint use of instructors and of facilities; and (5) Recommendations for legislative or administrative action to improve cyber education and training partnerships.

*Review of and report on activities of International Space Station*

The Senate amendment contained a provision (sec. 1606) that would require the Secretary of Defense, in coordination with the Administrator of the National Aeronautics and Space Administration, to complete a review of each program, activity, and future technology research project of the Department of Defense being carried out on the International Space Station and submit that review to the appropriate congressional committees.

The House bill contained no similar provision.

The Senate recesses.

The conferees appreciate the importance of work conducted on the International Space Station in support of defense priorities and encourage the Secretary to continue to support these programs.

*Oversight and management of the command, control, and communications system for the national leadership of the United States*

The Senate amendment contained a provision (sec. 1641) that would centralize and clarify responsibility for nuclear command, control, and communications (NC3) by requiring the Secretary of Defense to designate a single individual responsible for strategic portfolio management of these and related programs. The provision would also modify the structure of the Council on Oversight of the National Leadership Command, Control, and Communications System to streamline its functions and make the single individual designated by the Secretary the sole Chair.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Chairman of the Joint Chiefs of Staff has recently concluded a review of the governance of NC3 at the Department of Defense. As the recommendations made by the Chairman are implemented by the Commander of U.S. Strategic Command and others, the conferees expect to see clear improvements in lines of authority and decision-making that result in significant, rather than incremental, improvements over the status quo.

## **TITLE XVII—REVIEW OF FOREIGN INVESTMENT AND EXPORT CONTROLS**

### **SUBTITLE A—COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES**

*Short title: Foreign Investment Risk Review Modernization Act of 2018 (sec. 1701)*

The Senate amendment contained a provision (sec. 1701) that would establish the short title of this section as "The Foreign Investment Risk Review Modernization Act of 2018."

The House bill contained no similar provision.

The House recedes with an amendment that would establish "The Foreign Investment Risk Review Modernization Act of 2018," the "Export Controls Act of 2018," and the "Anti-Boycott Act of 2018" in sections 1701-1793 of this Act.

"The Foreign Investment Risk Review Modernization Act of 2018" would make updates to terms in the current Committee on Foreign Investment in the United States (CFIUS) statute and add several new terms. Notably, it would expand the purview of CFIUS by explicitly adding four new types of "covered transactions," including: (1) Any non-passive investment by a foreign person in any U.S. business involved in critical infrastructure, the

production of critical technologies, or that maintains sensitive personal data that, if exploited, could threaten national security; (2) Any change in a foreign investor's rights regarding a U.S. business; (3) Any other transaction, transfer, agreement or arrangement designed to circumvent or evade CFIUS; and (4) The purchase, lease, or concession by or to a foreign person of certain real estate in close proximity to military or other sensitive national security facilities.

It would also require CFIUS to provide comments on or accept complete written notices within 10 business days of submission in cases where parties stipulate that a transaction is a covered transaction and allow CFIUS to require a written notice and include copies of all related agreements. Further, it would create the concept of declarations and allow the parties to a transaction to stipulate that it is a covered transaction or foreign government-controlled transaction.

This Act would also confirm the circumstances under which CFIUS may unilaterally initiate a review, as well as how a transaction attains "safe harbor" status; give CFIUS extra time to review each transaction by extending the overall review period from 30 days to 45 days with a 15-day period extension for extraordinary circumstances; require CFIUS to establish a mechanism to identify any covered transactions for which a notice or declaration has not been filed and on which information is reasonably available; provide for greater flexibility regarding the required signatures on certifications regarding transactions; require the Director of National Intelligence, for each National Security Threat Assessment (NSTA), to identify any recognized intelligence collection gaps, update the NSTA upon request by a lead agency for any past cleared transaction involving a mitigation agreement, and submit the NSTA to the Senate Select Committee on Intelligence and House Permanent Select Committee on Intelligence after conclusion of action by CFIUS; enhance collaboration and coordination with U.S. allies and partners by allowing the disclosure of information to any domestic or foreign governmental entity; clarify the 15 day requirement for the President to announce a decision to not later than 15 days after the earlier of the date on which the investigation is completed, or the date on which the Committee otherwise refers the transaction to the President; provide that civil action challenges against CFIUS actions and findings may only be brought in the United States Court of Appeals for the District of Columbia Circuit; instruct CFIUS regulations to provide that any review of a covered transaction should consider the national security factors enumerated in statute, and as appropriate, require parties to provide information necessary to consider

such factors; and require each CFIUS member to designate an Assistant Secretary, appointed by the President by and with the advice and consent of the Senate, or the equivalent thereof, to carry out Committee duties. To address national security risks, it would grant CFIUS the authority to suspend a transaction during a review or investigation; use mitigation agreements and conditions to address situations where the parties have chosen to abandon a transaction without a presidential order; and impose interim mitigation agreements and conditions for national security risks posed by completed transactions while they are undergoing CFIUS review. A modification of the annual report and other reporting requirements is also included along with a requirement for implementation plans within 180 days of enactment of this act with a determination by the President as to whether additional resources are required for CFIUS under the expansion of CFIUS' responsibilities in this Act. Finally, a CFIUS Fund would be established and \$20.0 million would be authorized for fiscal years 2019 through 2023.

The "Export Controls Act of 2019" would repeal the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) (as continued in effect pursuant to the International Emergency Economic Powers Act (IEEPA, 50 U.S.C. 1701 et seq.)) other than sections 11A, 11B, and 11C of such Export Administration Act of 1979 (EAA), and would provide transition provisions to preserve the export control rules and regulations until changed or revoked under the new authority established by this title. It would also require the President to establish controls over the export of certain "dual-use" and military items in order to advance the foreign policy and national security of the United States, including a new category of "emerging and foundational technologies". The administration of those controls would be delegated to the Secretary of Commerce, Secretary of Defense, Secretary of State, the Director of National Intelligence, and other appropriate Federal agencies. Subject to inter-agency review, the Department of Commerce would be delegated with authority to issue licenses and other authorization for exports. Consistent with existing law, this export control reform would provide the authority to impose criminal and civil penalties for export control violations. It also would provide robust authority to enforce such controls, including the ability to stop unapproved transfers. Congressional oversight would also be strengthened over these controls. The repeal of the EAA would include transition provisions to ensure that all rules, regulations, orders, determinations, licenses, or other administrative measures established under the EAA, or otherwise enforced through Presidential emergency declaration under IEEPA,

would remain in effect unless changed or revoked under the new authority established by this title.

The "Anti-Boycott Act of 2018" would incorporate longstanding current law anti-boycott provisions from the expired Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) continued in effect under IEEPA. It would discourage, and in some circumstances, prohibit U.S. companies from furthering or supporting the boycott of Israel sponsored by the Arab League, or certain other countries, including complying with certain requests for information designed to verify compliance with the boycott.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

### *Sense of Congress*

The Senate amendment contained a provision (sec. 1702) that would express the sense of the Congress regarding the benefits of foreign investment in the United States and continuing the United States' commitment to open and fair investment policy, the shifting threats to national security and the need to modernize the Committee on Foreign Investment in the United States (CFIUS) and export controls to address those threats, the critical role of CFIUS in protecting national security and need for adequate resources and for more robust international outreach to allies to help them establish their own foreign investment screening regimes, the need to collaborate with allies to develop stronger multilateral export controls, and additional factors CFIUS may consider in reviewing transactions.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

### *Definitions*

The Senate amendment contained a provision (sec. 1703) that would amend section 721(a) of the Defense Production Act of 1950 (Public Law 81-774) to update terms pertaining to the Committee on Foreign Investment in the United States (CFIUS) statute and add several new terms. This provision would expand the purview of CFIUS by explicitly adding four new types of covered transactions, including: (1) Any non-passive investment by a foreign person in any U.S. critical technology or critical infrastructure company; (2) Any change in a foreign investor's rights regarding a U.S. business; (3) Any other transaction,

transfer, agreement or arrangement designed to circumvent/evade CFIUS; and (4) The purchase, lease, or concession by or to a foreign person of certain real estate in close proximity to military or other sensitive national security facilities. This provision would also allow CFIUS to exempt investments from countries meeting certain criteria from the new covered transactions.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Acceptance of written notices*

The Senate amendment contained a provision (sec. 1704) that would amend section 721(b)(1)(c)(i) of the Defense Production Act of 1950 (Public Law 81-774) to update the rules governing the acceptance of written notices.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Inclusion of partnership and side agreements in notice*

The Senate amendment contained a provision (sec. 1705) that would amend section 721(b)(1)(C) of the Defense Production Act of 1950 (Public Law 81-774) to require that any written notice or filing to include copies of all related partnership agreements, integration agreements, or other side agreements relating to transactions, including any related to the transfer of intellectual property.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Declarations for certain covered transactions*

The Senate amendment contained a provision (sec. 1706) that would amend section 721(b)(1)(C) of the Defense Production Act of 1950 (Public Law 81-774) to create declarations that would serve as light filings, limited to five pages in length, that must be filed in advance of completing the transaction. This provision would allow any party to voluntarily file a declaration as an alternative to submitting a notice and would also require parties to file a declaration for certain

investments where a foreign government has a substantial interest.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Stipulations regarding transactions*

The Senate amendment contained a provision (sec. 1707) that would amend section 721(b)(1)(C) of the Defense Production Act (Public Law 81-774) to allow all parties to a transaction to stipulate, in a notice or a declaration, that is a covered transaction and, if so, that it is also a foreign government-controlled transaction.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Authority for unilateral initiation of reviews*

The Senate amendment contained a provision (sec. 1708) that would amend section 721(b)(1) of the Defense Production Act of 1950 (Public Law 81-774) to confirm the circumstances under which the Committee on Foreign Investment in the United States (CFIUS) may unilaterally initiate a review, as well as how a transaction attains safe harbor status.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Timing for reviews and investigations*

The Senate amendment contained a provision (sec. 1709) that would amend section 721(b) of the Defense Production Act of 1950 (Public Law 81-774) to give the Committee on Foreign Investment in the United States (CFIUS) extra time to review each transaction by extending the overall review period from 30 days to 45 days and would authorize CFIUS to extend any investigation for one 30-day period in extraordinary circumstances, at the request of the head of a lead agency.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

### *Monitoring of non-notified and non-declared transactions*

The Senate amendment contained a provision (sec. 1710) that would amend section 721(b)(1) of the Defense Production Act of 1950 (Public Law 81-774) to require the Committee on Foreign Investment in the United States to establish a mechanism to identify any covered transactions for which a notice or declaration has not been filed and on which information is reasonably available.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

### *Submission of certifications to Congress*

The Senate amendment contained a provision (sec. 1711) that would amend section 721(b)(3)(C) of the Defense Production Act of 1950 (Public Law 81-774) to enhance congressional oversight by requiring the Committee on Foreign Investment in the United States (CFIUS) to submit its certifications regarding transactions to both the Senate Select Committee on Intelligence and House Permanent Select Committee on Intelligence.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

### *Analysis by Director of National Intelligence*

The Senate amendment contained a provision (sec. 1712) that would amend section 721(b)(4) of the Defense Production Act of 1950 (Public Law 81-774) to require the Director of National Intelligence, for each National Security Threat Assessment (NSTA), to identify any recognized intelligence collection gaps, update the NSTA upon requirement by a lead agency for any past cleared transaction involving a mitigation agreement, and submit the NSTA to the Senate Select Committee on Intelligence and House Permanent Select Committee on Intelligence after conclusion of action by the Committee on Foreign Investment in the United States.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

### *Information sharing*

The Senate amendment contained a provision (sec. 1713) that would amend section 721(c) of the Defense Production Act of 1950 (Public Law 81-774) to enhance collaboration and coordination with United States allies and partners by allowing the disclosure of information to any domestic or foreign governmental entity, under the direction of the chairperson, if necessary for national security and pursuant to appropriate confidentiality and classification arrangements, or when the parties have consented for information to be disclosed to third parties.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Action by the President*

The Senate amendment contained a provision (sec. 1714) that would amend section 721(d) of the Defense Production Act of 1950 (Public Law 81-774) to confirm the authority of the President to suspend or prohibit a transition or require divestment when necessary to protect national security.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Judicial review*

The Senate amendment contained a provision (sec. 1715) that would amend section 721(e) of the Defense Production Act of 1950 (Public Law 81-774) to clarify that civil action challenges against Committee on Foreign Investment in the United States actions and findings may only be brought in the United States Court of Appeals for the District of Columbia Circuit.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Membership and staff of Committee*

The Senate amendment contained a provision (sec. 1716) that would amend section 721(k) of the Defense Production Act of 1950 (Public Law 81-774) to clarify the rules that apply to the

appointment and hiring of members and staff of the Committee on Foreign Investment in the United States.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Actions by the Committee to address national security risks*

The Senate amendment contained a provision (sec. 1717) that would amend section 721(1) of the Defense Production Act of 1950 (Public Law 81-774) to grant the Committee on Foreign Investment in the United States (CFIUS) the authority to suspend a transaction during a review or investigation, use mitigation agreements and conditions to address situations where the parties have chosen to abandon a transaction without a presidential order, and impose interim mitigation agreements and conditions for national security risks posed by completed transactions while they are undergoing CFIUS review.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Modification of annual report and other reporting requirements*

The Senate amendment contained a provision (sec. 1718) that would amend section 721(m) of the Defense Production Act of 1950 (Public Law 81-774) to require the Committee on Foreign Investment in the United States (CFIUS) to include in its annual report a description of the outcomes of any reviews and investigations that year, including whether a mitigation agreement was entered into or condition imposed and whether the President took any action.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Certification of notices and information*

The Senate amendment contained a provision (sec. 1719) that would amend section 721(n) of the Defense Production Act of 1950 (Public Law 81-774) to require that each notice submitted to the Committee on Foreign Investment in the United States be accompanied by a written statement from the parties certifying

that the notice or information is accurate, complete, and compliant with the rules.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Implementation plans*

The Senate amendment contained a provision (sec. 1720) that would require the Secretary of the Treasury and the Secretary of Commerce to develop implementation plans for carrying out relevant sections of this Title and to submit them to Congress within 180 days of enactment of this Act.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Assessment of need for additional resources for Committee*

The Senate amendment contained a provision (sec. 1721) that would require the President to determine whether and to what extent the expansion of the Committee on Foreign Investment in the United States' (CFIUS) responsibilities would necessitate additional resources for CFIUS and its members to perform their functions, and include the request for any such additional resources for each member agency in the annual budget requests to Congress.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Funding*

The Senate amendment contained a provision (sec. 1722) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81-774) to establish a fund for the Committee on Foreign Investment in the United States.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

#### *Centralization of certain Committee functions*

The Senate amendment contained a provision (sec. 1723) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81-774) to authorize the Secretary of the Treasury to centralize certain functions of the Committee on Foreign Investment of the United States (CFIUS) to include monitoring non-notified and non-declared transactions, within the Department of Treasury to enhance CFIUS interagency coordination and collaboration.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

#### *Conforming amendments*

The Senate amendment contained a provision (sec. 1724) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81-774) to make technical and conforming changes to the statute.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

#### *Requirements to identify and control the export of emerging and foundational technologies*

The Senate amendment contained a provision (sec. 1725) that would establish an interagency process led by the President to identify emerging and foundational technologies that are not currently subject to export controls and would establish an interagency process to control such technologies.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

#### *Export control enforcement authority*

The Senate amendment contained a provision (sec. 1726) that would enhance and harmonize the Department of Commerce's Bureau of Industry and Security (BIS) export control enforcement authorities with those authorities granted special agents in other law enforcement and investigative agencies by allowing BIS to engage in overseas investigations and undercover penetration activities and also appropriately protects confidentiality of information.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

*Prohibition on modification of civil penalties under export control and sanctions laws*

The Senate amendment contained a provision (sec. 1727) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81-774) that would prohibit the President from modifying any civil penalty implemented by the Government of the United States with respect to a Chinese telecommunications company pursuant to a determination that the company has violated an export control or sanctions law of the United States until the date that is 30 days after the President makes a certification to the appropriate congressional committees.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision elsewhere in this Act.

*Under Secretary of Commerce for Industry and Security*

The Senate amendment contained a provision (sec. 1728) that would rename the position of the Under Secretary of Commerce for Export Administration to the Under Secretary of Commerce for Industry and Security to more properly align the position title with the organization and role.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

*Limitation on cancellation of designation of Secretary of the Air Force as Department of Defense Executive Agent for a certain Defense Production Act program*

The Senate amendment contained a provision (sec. 1729) that would bar the Department of Defense from making any change to the Secretary of the Air Force acting as the program manager or executive agent under Title III of the Defense Production Act of 1950 (Public Law 81-774) until Congress explicitly authorizes such a change.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

*Review of and report on certain defense technologies critical to the United States maintaining superior military capabilities*

The Senate amendment contained a provision (sec. 1730) that would require a report to Congress, no later than 180 days after the date of the enactment of this Act, from the Secretary of Defense and the Director of National Intelligence on key United States industries and research and development activities critical to maintaining a national security technology capability, where over the next five years it is anticipated a domestic industrial base shortfall will exist and domestic industry cannot or will not provide the needed capacity in a timely manner without assistance authorized in existing statutory authorities enacted for such purposes.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

*Briefing on information from transactions reviewed by Committee on Foreign Investment in the United States relating to foreign efforts to influence democratic institutions and processes*

The Senate amendment contained a provision (sec. 1731) that would require the Secretary of the Treasury, no later than 60 days after the date of enactment of this Act, to provide a briefing to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Service of the House of Representatives.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

*Effective date*

The Senate amendment contained a provision (sec. 1732) that would establish the date of applicability of the provision contained within this title.

The House bill contained no similar provision.

The Senate recesses.

The conferees have addressed this provision in title 17 of this Act.

### *Severability*

The Senate amendment contained a provision (sec. 1733) that would clarify that any provision of this title is held to be invalid, the remaining provisions and the application of that provision to other persons shall not be affected.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

## **DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS**

### *Summary and explanation of funding tables*

Division B of this Act authorizes funding for military construction projects of the Department of Defense. It includes funding authorizations for the construction and operation of military family housing as well as military construction for the reserve components, the defense agencies, and the North Atlantic Treaty Organization Security Investment Program. It also provides authorization for the base closure accounts that fund military construction, environmental cleanup, and other activities required to implement the decisions in base closure rounds. The tables contained in this Act provide the project-level authorizations for the military construction funding authorized in Division B of this Act and summarize that funding by account.

The conferees continue to believe in the value and appropriateness of providing a full authorization but incremental authorization of appropriations for certain military construction projects. The conferees believe incremental funding of large and complex military construction projects enables the Department to execute additional infrastructure projects in a fiscal year, enables continuous congressional oversight, and provides opportunities to adjust the authorization of appropriations level for projects should issues arise or requirements change over the course of construction. In instances where the conference agreement provides full authorization but incremental authorization of appropriations for certain military construction projects, the committee

expects the Department to award these projects in the year of authorization and not defer award until the full appropriation amount is received.

*Short title (sec. 2001)*

The House bill contained a provision (sec. 2001) that would cite division B of this Act as the ``Military Construction Authorization Act for Fiscal Year 2019''.

The Senate amendment contained an identical provision (sec. 2001).

The conference agreement includes this provision.

*Expiration of authorizations and amounts required to be specified by law (sec. 2002)*

The House bill contained a provision (sec. 2002) that would designate the authorizations provided in titles XXI through XXVII and title XXIX of this Act to expire on October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

The Senate amendment contained a similar provision (sec. 2002).

The Senate recesses.

*Effective date (sec. 2003)*

The House bill contained a provision (sec. 2003) that would provide that titles XXI through XXVII and title XXIX of this Act would take effect on October 1, 2018, or the date of the enactment of this Act, whichever is later.

The Senate amendment contained an identical provision (sec. 2003).

The conference agreement includes this provision.

## **TITLE XXI—ARMY MILITARY CONSTRUCTION**

*Summary*

The budget request included \$1,011,768,000 for Army military construction and \$707,169,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of \$1,170,868,000 for military construction and

\$707,169,000 for family housing for the Army in fiscal year 2019.

The agreement includes authorization of 4 military construction projects that were not included in the budget request but submitted to the congressional defense committees as part of the Army's unfunded requirements list. These projects include: \$50.0 million for a Rotary Wing Parking Apron at Wheeler Army Airfield, Hawaii; \$18.0 million for a Microgrid and Power Plant at Fort Campbell, Kentucky; \$16.5 million for Cantonment Area Roads at Fort Meade, Maryland; and \$9.6 million for a Supply Support Activity at Fort Hood, Texas.

The agreement also includes authorization of \$35.0 million for the Secretary of the Army to carry out projects, with prior notification to the congressional defense committees, to enhance force protection and safety. The conferees recommend the Secretary use this authority to alleviate deficiencies in access control points, air traffic control towers, fire stations, and anti-terrorism and force protection.

Finally, the agreement includes \$30.0 million for Arlington National Cemetery.

*Authorized Army construction and land acquisition projects (sec. 2101)*

The House bill contained a provision (sec. 2101) that would contain the list of authorized Army construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2101).

The House recedes with an amendment.

*Family housing (sec. 2102)*

The House bill contained a provision (sec. 2102) that would authorize new construction and planning and design of family housing units for the Army for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2102).

The House recedes.

*Authorization of appropriations, Army (sec. 2103)*

The House bill contained a provision (sec. 2103) that would authorize appropriations for Army military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2103).

The House recesses.

*Extension of authorizations of certain fiscal year 2015 projects (sec. 2104)*

The House bill contained a provision (sec. 2104) that would extend the authorization of a certain project originally authorized by section 2101 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) until October 1, 2019, or the date of the enactment of an act authorizing funds for military construction for fiscal year 2020, whichever is later.

The Senate amendment contained an identical provision (sec. 2104).

The conference agreement includes this provision.

*Extension of authorizations of certain fiscal year 2016 project (sec. 2105)*

The Senate amendment contained a provision (sec. 2105) that would extend the authorization of a project authorized by section 2101 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114-92) until October 1, 2023, or the date of enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

The House bill contained no similar provision.

The House recesses with a clarifying amendment that would correct the name of the project to "Arlington National Cemetery (DAR)".

## **TITLE XXII—NAVY MILITARY CONSTRUCTION**

### *Summary*

The budget request included \$2,543,189,000 for Navy and Marine Corps military construction and \$419,117,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of \$2,412,859,000 for military construction and

\$419,117,000 for family housing for the Navy and Marine Corps in fiscal year 2019.

The agreement includes authorization of 13 military construction projects that were not included in the budget request but submitted to the congressional defense committees as part of the Navy and Marine Corps' unfunded requirements list. These projects include: \$75.6 million for X-Ray Wharf Improvements (Berth 2) at Naval Base Guam, Guam; \$51.3 million for a 2nd Radio BN Complex, Phase 2 at Camp Lejeune, North Carolina; \$31.9 million for a Welding and Body Repair Shop Facility at Marine Corps Base Albany, Georgia; \$22.3 million for Expeditionary Combat Skills Student Berthing at Naval Construction Battalion Center, Mississippi; \$21.8 million for Missile Magazines at Naval Weapons Station Seal Beach, California; \$19.7 million for a Consolidated Fire Station at Naval Station Guantanamo Bay, Cuba; \$19.5 million for LCS Mission Module Readiness Center at Naval Base San Diego, California; \$16.6 million for a Supply Warehouse SOI-West at Camp Pendleton, California; \$14.9 million for a Communications Line Ops to Admin at Naval Air Station Lemoore, California; \$14.8 million for Missile Motor Magazines and U&SI at Camp Navajo, Arizona; \$13.1 million for an Ammunition Supply Point Upgrade, Phase 2 at Marine Corps Base Quantico, Virginia; \$10.0 million for an Air Traffic Control Tower (North Field) at Naval Air Station Whiting Field, Florida; and \$6.3 million for a Cryogenics Facility at Marine Corps Air Station Beaufort, South Carolina.

The agreement provides for full authorization and incremental authorization of appropriations in an amount equal to the Department's ability to execute in the year of the authorization of appropriations for the following projects: Pier 8 Replacement at Naval Base San Diego, California; Causeway Boat Channel & Turning Basing at Naval Weapons Station Seal Beach, California; Master Time Clock & Operations Facility at the Naval Observatory, District of Columbia; Machine Gun Range at Joint Region Marianas, Guam; Dry Dock #1 Superflood Basin at Portsmouth Naval Yard, Maine; Aircraft Maintenance Hangar at Marine Corps Air Station Cherry Point, North Carolina; Flightline Utility Modernization at Marine Corps Air Station Cherry Point, North Carolina; and the D5 Missile Motor Receipt/Storage Facility at Hill Air Force Base, Utah.

The agreement also includes authorization of \$35.0 million for the Secretary of the Navy to carry out projects, with prior notification to the congressional defense committees, to enhance force protection and safety. The conferees recommend the Secretary use this authority to alleviate deficiencies at Navy and Marine Corps installations in access control points, air

traffic control towers, fire stations, and anti-terrorism and force protection.

Finally, the agreement does not include authorization of \$21.98 million included in the budget request for a TBS Fire Station at Marine Corps Base Quantico, Virginia. The conferees note that this project was authorized in the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) and a subsequent appropriation was included in the Consolidated Appropriations Act, 2018 (Public Law 115-141). The conferees do not believe an additional authorization of appropriation for fiscal year 2019 is required for this project.

*Authorized Navy construction and land acquisition projects (sec. 2201)*

The House bill contained a provision (sec. 2201) that would contain the list of authorized Navy construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2201).

The House recesses with an amendment.

*Family housing (sec. 2202)*

The House bill contained a provision (sec. 2202) that would authorize new construction and planning and design of family housing units for the Department of the Navy for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2202).

The House recesses.

*Improvements to military family housing units (sec. 2203)*

The House bill contained a provision (sec. 2203) that would authorize the Secretary of the Navy to make improvements to existing units of family housing for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2203).

The House recesses.

*Authorization of appropriations, Navy (sec. 2204)*

The House bill contained a provision (sec. 2204) that would authorize appropriations for Navy military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2204).

The House recesses.

## **TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION**

### *Summary*

The budget request included \$1,725,707,000 for Air Force military construction and \$395,720,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of \$1,608,773,000 for military construction and \$395,720,000 for family housing for the Air Force in fiscal year 2019.

The agreement includes authorization of 9 military construction projects that were not included in the budget request, but submitted to the congressional defense committees as part of the Air Force's unfunded requirements list. These projects include: \$26.0 million for a Composite Aircraft Antenna Calibration Facility at Hill Air Force Base, Utah; \$15.0 million for an AGE Facility at Davis-Monthan Air Force Base, Arizona; \$14.2 million for Anti-Terrorism Perimeter Security/Entry Control Point at Rome Lab, New York; \$14.0 million for ADAL JPRA C2 Mission Support Facility at Fairchild Air Force Base, Washington; \$13.0 million for a Child Development Center at Joint Base Andrews, Maryland; \$12.25 million for an Entrance Road and Gate Complex at Barksdale Air Force Base, Louisiana; \$9.0 million for a Main Gate at Patrick Air Force Base, Florida; \$8.0 million for a MWD Facility at Joint Base Andrews, Maryland; and \$7.0 million for Wyoming Gate Upgrade for Anti-Terrorism Compliance at Kirtland Air Force Base, New Mexico.

The agreement provides for full authorization and incremental authorization of appropriations in an amount equal to the Department's ability to execute in the year of the authorization of appropriations for MIT-Lincoln Laboratory (West Lab CSL/MIF) at Hanscom Air Force Base, Massachusetts. In addition, the committee provides full authorization for phase 1 and phase 2 of the ADAL Intelligence Production Complex (NASIC) as a single \$182.0 million project at Wright Patterson Air Force Base. The agreement provides incremental authorization of appropriations for the combined project in an amount equal to the Department's ability to execute in the year of the authorization of appropriations.

The agreement also includes authorization of \$35.0 million for the Secretary of the Air Force to carry out projects, with prior notification to the congressional defense committees, to enhance force protection and safety. The conferees recommend the Secretary use this authority to alleviate deficiencies in access control points, air traffic control towers, fire stations, and anti-terrorism and force protection.

The agreement transfers the following two military construction projects from the base budget request to Title XXIX, Overseas Contingency Operations Military Construction: Flightline Support Facilities at Al Udeid, Qatar and Personnel Deployment Processing Facility at Al Udeid, Qatar.

Finally, the agreement includes an authorization of appropriation of \$129.116 million for the Presidential Aircraft Recap Complex, Increment 2, a reduction of \$24.884 million from the budget request for fiscal year 2019. This reflects the additional \$24.884 that was provided for this project in the Consolidated Appropriations Act, 2018 (Public Law 115-141), which was signed in to law after the budget request for fiscal year 2019 was submitted.

*Authorized Air Force construction and land acquisition projects (sec. 2301)*

The House bill contained a provision (sec. 2301) that would contain the list of authorized Air Force construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2301).

The House recedes with an amendment.

*Family housing (sec. 2302)*

The House bill contained a provision (sec. 2302) that would authorize new construction and planning and design of family housing units for the Air Force for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2302).

The House recedes.

*Improvements to military family housing units (sec. 2303)*

The House bill contained a provision (sec. 2303) that would authorize the Secretary of the Air Force to make

improvements to existing units of family housing for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2303).

The House recesses.

*Authorization of appropriations, Air Force (sec. 2304)*

The House bill contained a provision (sec. 2304) that would authorize appropriations for Air Force military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2304).

The House recesses.

*Modification of authority to carry out certain phased project authorized in fiscal years 2015, 2016, and 2017 (sec. 2305)*

The House bill contained a provision (sec. 2305) that would modify the authority provided by section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291), the authority provided by section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114-92), and the authority provided by section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114-328) to authorize the Secretary of the Air Force to modify the location of three previously authorized construction phases of the project.

The Senate amendment contained an identical provision (sec. 2305).

The conference agreement includes this provision.

*Modification of authority to carry out certain fiscal year 2017 project (sec. 2306)*

The House bill contained a provision (sec. 2306) that would modify the authority provided by section 2301 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114-328) and authorize the Secretary of the Air Force to make certain modifications to the scope and authorized cost of a previously authorized construction project.

The Senate amendment contained an identical provision (sec. 2306).

The conference agreement includes this provision.

*Modification of authority to carry out certain fiscal year 2018 project (sec. 2307)*

The House bill contained a provision (sec. 2307) that would modify the authority provided by section 2301 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115-91) and authorize the Secretary of the Air Force to make certain modifications to the scope of a previously authorized construction project.

The Senate amendment contained a similar provision (sec. 2307).

The House recesses.

*Additional authority to carry out certain fiscal year 2019 projects (sec. 2308)*

The House bill contained a provision (sec. 2308) that would provide the Secretary of the Air Force additional authority to carry out certain fiscal year 2019 projects pursuant to the Defense Laboratory Modernization Pilot Program established by section 2803 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114-92).

The Senate amendment contained a similar provision (sec. 2308).

The House recesses.

*Additional authority to carry out project at Travis Air Force Base, California, in fiscal year 2019 (sec. 2309)*

The House bill contained a provision (sec. 2309) would provide specific authorization for a construction project at Travis Air Force Base.

The Senate amendment contained no similar provision.

The Senate recesses.

## **TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION**

### *Summary*

The budget request included \$2,693,324,000 for Air Force military construction and \$58,373,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of \$2,506,728,000 for military construction and

\$58,373,000 for family housing for the Air Force in fiscal year 2019.

The agreement includes authorization of 6 Energy Resiliency Conservation Investment Program (ERCIP) projects that were not included in the budget request but submitted to the congressional defense committees as part of the Department's unfunded requirements list. These projects include: \$20.0 million to Install Microgrid at Anniston Army Depot, Alabama; \$6.53 million for a SNI Energy Storage System at Naval Base Ventura, California; \$5.5 million to Install Microgrid at Camp Mabry, Texas; \$5.34 million for Distribution Switchgear at Joint Reserve Base Naval Air Station New Orleans, Louisiana; \$3.5 million for PV/Water Conservation & Energy Resilience at Salina Training Center, Kansas; and \$2.52 million for a Super Flight Line Electrical Distribution System (FLEDS) at Naval Air Station Oceana, Virginia.

The agreement provides for full authorization and incremental authorization of appropriations in an amount equal to the Department's ability to execute in the year of the authorization of appropriations for the following projects: Long Range Discrimination Radar System Complex, Phase 2 at Clear Air Force Station, Alaska and Kinnick High School at Yokosuka, Japan.

The agreement provides an authorization of appropriation of \$181.0 million for Next NGA West (N2W) Complex Phase 1 Inc. 2, a reduction of \$32.6 million from the budget request for fiscal year 2019. This reflects the additional \$24.884 that was provided for this project in the Consolidated Appropriations Act, 2018 (Public Law 115-141), which was signed in to law after the budget request for fiscal year 2019 was submitted. In addition, the conferees note that the Office of Management and Budget directed the National Geospatial-Intelligence Agency to hold on awarding this project until receiving full appropriations for both increments, resulting in a self-created cost increase of \$7.6 million due to the delay in award. The conferees direct the Department to take all necessary and appropriate actions to award the construction contract to avoid the self-create cost increase.

Finally, the agreement does not include an authorization or authorization of appropriations for the Ambulatory Care Center Addition/Alteration at RAF Croughton, United Kingdom. The conferees note the facility is early-to-need based on an ongoing analysis of alternatives related to a separate military construction requirement. In addition, the agreement does not include an authorization of appropriations for Contingency Construction at Unspecified Worldwide Locations, noting that unobligated balances remain available in the military

construction account and other authorities exist to construct projects that are in keeping with a national security interest.

*Authorized defense agencies construction and land acquisition projects (sec. 2401)*

The House bill contained a provision (sec. 2401) that would contain the list of authorized defense agencies' construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The state list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2401).

The Senate recedes with an amendment.

*Authorized energy conservation projects (sec. 2402)*

The House bill contained a provision (sec. 2402) that would authorize the Secretary of Defense to carry out energy resilience and conservation projects.

The Senate amendment contained a similar provision (sec. 2402).

The House recedes with an amendment.

The conferees note that in addition to the budget request of \$150.0 million, this Act authorizes an additional \$43.4 million in specific projects and an additional \$5.0 million in planning and design for a total of \$48.4 million.

The specific projects receiving additional authorization are:

1. Anniston Army Depot, AL (\$20.0 million);
2. Naval Base Ventura County, CA (\$6.5 million);
3. Salina Training Center, KS (\$3.5 million);
4. Joint Reserve Base Naval Air Station New Orleans, LA (\$5.3 million);
5. Camp Mabry, TX (\$5.5 million); and
6. Naval Air Station Oceana, VA (\$2.5 million).

*Authorization of appropriations, defense agencies (sec. 2403)*

The House bill contained a provision (sec. 2403) that would authorize appropriations for defense agencies' military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2403).

The House recedes.

*Extension of authorizations of certain fiscal year 2015 projects  
(sec. 2404)*

The House bill contained a provision (sec. 2404) that would extend the authorization of certain projects originally authorized by section 2401 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113-291) until October 1, 2019, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2020, whichever is later.

The Senate amendment contained a similar provision (sec. 2404).

The Senate recesses.

*Authorization of certain fiscal year 2018 project (sec. 2405)*

The Senate amendment contained a provision (sec. 2405) that would amend section 2401(a) of the National Defense Authorization Act for Fiscal Year 2018 (division B of Public Law 115-91) by authorizing the Fort Bliss Blood Processing Center for \$8,300,000.

The House bill contained no similar provision.

The House recesses.

## **TITLE XXV—INTERNATIONAL PROGRAMS**

### **SUBTITLE A—NORTH ATLANTIC TREATY**

#### **ORGANIZATION SECURITY INVESTMENT PROGRAM**

*Summary*

The budget request included \$171,064,000 for military construction in fiscal year 2019 for the North Atlantic Treaty Organization Security Investment Program. In addition, pursuant to agreement with the Republic of Korea, the budget request included a list of military construction projects to be funded as in-kind contributions by the Republic of Korea.

The conference agreement includes this amount for the North Atlantic Treaty Organization Security Investment Program projects and the authorization to accept the military construction projects funded by the Republic of Korea.

*Authorized NATO construction and land acquisition projects (sec. 2501)*

The House bill contained a provision (sec. 2501) that would authorize the Secretary of Defense to make contributions to the North Atlantic Treaty Organization Security Investment Program in an amount not to exceed the sum of the amount specifically authorized in section 2502 of this Act and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.

The Senate amendment contained an identical provision (sec. 2501).

The conference agreement contains this provision.

*Authorization of appropriations, NATO (sec. 2502)*

The House bill contained a provision (sec. 2502) that would authorize appropriations for the North Atlantic Treaty Organization Security Investment Program at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2502).

The House recedes with a technical amendment.

## **SUBTITLE B—HOST COUNTRY IN-KIND CONTRIBUTIONS**

*Republic of Korea funded construction projects (sec. 2511)*

The House bill contained a provision (sec. 2511) that would authorize the Secretary of Defense to accept 16 military construction projects totaling \$518.6 million pursuant to agreement with the Republic of Korea for required in-kind contributions.

The Senate amendment contained an identical provision (sec. 2511).

The conference agreement contains this provision.

## **TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES**

*Summary*

The budget request included \$467,395,000 for military construction of National Guard and Reserve facilities for fiscal year 2019.

The conference agreement includes authorization of appropriations of \$647,095,000 for military construction of National Guard and Reserve facilities in fiscal year 2019. The conference agreement includes authorization of 12 military construction projects that were not included in the budget request but submitted to the congressional defense committees as part of the services unfunded requirements list. These projects include: \$42.6 million for a Regional ISO Mx Hangar at Westover Air Reserve Base, Massachusetts; \$24.0 million for NORTHCOM - Construct Alert Facilities at Naval Air Station Joint Reserve Base, Louisiana; \$24.0 million for HC-130J Mx Hangar at Patrick Air Force Base, Florida; \$23.0 million for an ECS Modified TEMF at Yakima Training Center Washington; \$13.0 million for Replace Fire Station at Mansfield Lahm Airport, Ohio; \$11.0 million for a Tactical Unmanned Aerial Vehicle Hangar at Boardman, Oregon; \$11.0 million for an Aircraft Vehicle Storage Building at Lexington, Oklahoma; \$9.4 million for an Aerial Port Facility at Grissom Air Reserve Base, Indiana; \$9.0 million to Construct Aircraft Apron at Great Falls International Airport, Montana; \$8.8 million for Relocation Main Gate at Youngstown Air Reserve Station, Ohio; \$8.0 million to Construct Small Arms Range at Rickenbacker International Airport, Ohio; and \$8.0 million to Construct Small Arms Range at Duluth International Airport, Minnesota.

The agreement does not include an authorization of appropriation for a Small Arms Range at Minneapolis-St. Paul International Airport, Minnesota or a Munitions Training/Admin Facility at Naval Air Station Joint Reserve Base Fort Worth, Texas. The conferees note that an authorization and authorization of appropriation were provided for both of these facilities in fiscal year 2018. The conferees do not believe an additional authorization of appropriation for fiscal year 2019 is required for these projects.

## **SUBTITLE A—PROJECT AUTHORIZATIONS AND AUTHORIZATION OF APPROPRIATIONS**

*Authorized Army National Guard construction and land acquisition projects (sec. 2601)*

The House bill contained a provision (sec. 2601) that would contain the list of authorized Army National Guard construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2601).

The House recedes with an amendment.

*Authorized Army Reserve construction and land acquisition projects (sec. 2602)*

The House bill contained a provision (sec. 2602) that would contain the list of authorized Army Reserve construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2602).

The House recedes with an amendment.

*Authorized Navy Reserve and Marine Corps Reserve construction and land acquisition projects (sec. 2603)*

The House bill contained a provision (sec. 2603) that would contain the list of authorized Navy Reserve and Marine Corps Reserve construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2603).

The Senate recedes with an amendment.

*Authorized Air National Guard construction and land acquisition projects (sec. 2604)*

The House bill contained a provision (sec. 2604) that would contain the list of authorized Air National Guard construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2604).

The House recedes with an amendment.

*Authorized Air Force Reserve construction and land acquisition projects (sec. 2605)*

The House bill contained a provision (sec. 2605) that would contain the list of authorized Air Force Reserve construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2605).

The House recesses with an amendment.

*Authorization of appropriations, National Guard and Reserve (sec. 2606)*

The House bill contained a provision (sec. 2606) that would authorize appropriations for the National Guard and Reserve military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2606).

The House recesses.

## **SUBTITLE B—OTHER MATTERS**

*Modification of authority to carry out certain fiscal year 2016 project (sec. 2611)*

The House bill contained a provision (sec. 2611) that would modify the authority provided by section 2603 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114-92) to authorize the Secretary of the Navy to modify the location of a previously authorized construction project.

The Senate amendment contained an identical provision (sec. 2611).

The conference agreement contains this provision.

*Modification of authority to carry out certain fiscal year 2018 project (sec. 2612)*

The House bill contained a provision (sec. 2612) that would modify the authority provided by section 2601 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115-91) to authorize the Secretary of the Army to make certain modifications to the scope of a previously authorized construction project.

The Senate amendment contained a similar provision (sec. 2612).

The Senate recesses.

*Additional authority to carry out certain fiscal year 2019 project (sec. 2613)*

The House bill contained a provision (sec. 2613) that would authorize the Secretary of the Navy to carry out a military construction project and acquire land at Pittsburgh, Pennsylvania, for the construction of a reserve training center. The Secretary may use available, unobligated Navy military construction reserve funds for the project.

The Senate amendment contained a similar provision (sec. 2613).

The Senate recesses.

## **TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES**

### *Summary*

The budget request included \$267,538,000 for Base Realignment and Closure (BRAC) activities related to previous BRAC rounds.

The conference agreement includes authorization of appropriations of \$322,868,000 for Base Realignment and Closure (BRAC) activities related to previous BRAC rounds in fiscal year 2019.

*Authorization of appropriations for base realignment and closure activities funded through Department of Defense Base Closure Account (sec. 2701)*

The House bill contained a provision (sec. 2701) that would authorize appropriations for ongoing activities that are required to implement the base realignment and closure activities authorized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101-510), at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2701).

The House recesses.

*Additional authority to realign or close certain military installations (sec. 2702)*

The House bill contained a provision (sec. 2702) that would provide the Secretary of Defense with authority to close or realign a military installation if the Secretary receives notification from the Governor of a State or territory that recommends the realignment or closure of a military installation within the Governor's State or territory.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Prohibition on conducting additional base realignment and closure (BRAC) round (sec. 2703)*

The House bill contained a provision (sec. 2703) that would affirm that nothing in this Act shall be construed to authorize an additional Base Realignment and Closure round.

The Senate amendment contained an identical provision (sec. 2702).

The conference agreement includes this provision.

## **TITLE XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS**

### **SUBTITLE A—MILITARY CONSTRUCTION PROGRAM AND MILITARY FAMILY HOUSING**

*Modification of contract authority for acquisition, construction, or furnishing of test facilities and equipment (sec. 2801)*

The Senate amendment contained a provision (sec. 2802) that would amend section 2353(a) of title 10, United States Code, to clarify the authority for the contract of a military department to provide for the acquisition or construction of facilities and equipment, by either the government or the contractor, that the secretary of the military department concerned determines to be necessary for the performance of a contract for research, development, or both.

The House bill contained no similar provision.

The House recesses with an amendment that would clarify that the Secretary of Defense and the secretaries of the military departments shall promulgate regulations necessary to give full force and effect to this section.

*Commercial construction standards for facilities on leased property (sec. 2802)*

The House bill contained a provision (sec. 2801) that would amend section 2667 of title 10, United States Code, to allow the use of commercial construction standards when a private developer is constructing facilities on military land for commercial use under an enhanced use lease agreement.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would sunset the authority after 5 years.

*Congressional oversight of projects carried out pursuant to laws other than Military Construction Authorization Acts (sec. 2803)*

The Senate amendment contained a provision (sec. 2805) that would amend section 2802(e)(1) of title 10, United States Code, to include all congressional defense committees in any notification requirements set forth by any law other than a Military Construction Authorization Act.

The House bill contained no similar provision.

The House recesses.

*Small business set-aside for contracts for architectural and engineering services and construction design (sec. 2804)*

The House bill contained a provision (sec. 2803) that would amend contract thresholds for small business set-asides for architectural and engineering services and construction design.

The Senate amendment contained no similar provision.

The Senate recesses.

*Updates and modifications to Department of Defense Form 1391, Unified Facilities Criteria, and military installation master plans (sec. 2805)*

The House bill contained a provision (sec. 311) that would amend section 2864 of title 10, United States Code, to require energy and climate resiliency efforts to be considered in installation master plans to ensure the ability to sustain mission-critical operations.

The Senate amendment contained a similar provision (sec. 2811) that would require the Department of Defense Form 1391 to include a disclosure of whether or not a proposed project falls within or partially within a 100-year floodplain and, if so, a specific risk mitigation plan. The provision would also require

a process for risk analysis and a report on planned mitigation measures for buildings, require disclosure as to whether a project was included in the prior year's future years defense program, require an energy study or life cycle analysis, amend the United Facilities Criteria to ensure building risk data are incorporated into planned designs and modifications, require consideration of energy and climate resiliency efforts in major military installation master plans, amend the definition of military installation resilience, and include threats to military installation resilience for adjustment and diversification assistance.

The House recesses.

*Work in Process Curve charts and outlay tables for military construction projects (sec. 2806)*

The Senate amendment contained a provision (sec. 2812) that would require the Secretary of Defense and the service secretaries to include as an addendum to the 1391 forms submitted with the budget request for each fiscal year a Work in Process Curve chart and monthly outlay table for funding, obligations, and outlay figures for any military construction project over \$35,000,000.

The House bill contained no similar provision.

The House recesses with a technical amendment that changes the required project threshold from \$35,000,000 to \$90,000,000.

*Extension of temporary, limited authority to use operation and maintenance funds for construction projects outside the United States (sec. 2807)*

The House bill contained a provision (sec. 2802) that would provide continued authority for the Secretary of Defense to use funds appropriated for operation and maintenance for military construction to meet temporary operational requirements during a time of declared war, national emergency, or contingency operation through the end of fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2803) that would extend subsection (h) of section 2808 of the Military Construction Authorization Act for Fiscal Year 2004 from 2019 to 2020 and limit the funding authority to \$50.0 million.

The House recesses with a clarifying amendment that limits the total amount allowed to be obligated to \$50 million per year for fiscal years 2019 and 2020 limiting the total authority to \$100 million.

*Authority to obtain architectural and engineering services and construction design for defense laboratory modernization program (sec. 2808)*

The House bill contained a provision (sec. 2804) that would amend section 2803 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to clarify that the Secretary of the military department concerned may use amounts available for research, development, testing, and evaluation funding to obtain architectural and engineering services to carry out a construction project under this authority. This section would also extend the period of the Defense Laboratory Modernization Pilot Program until October 1, 2023.

The Senate amendment contained a similar provision (sec. 2801) that would extend the pilot program for the use of Research, Development, Test, and Evaluation (RDT&E) funds for military construction projects until 2025 and clarify that RDT&E funds may be used to obtain architectural and engineering services and carry out construction design.

The Senate recesses with a technical amendment that would extend the authority until 2025.

*Repeal of limitation on certain Guam project (sec. 2809)*

The House bill contained a provision (sec. 2805) that would amend section 2879 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) by repealing the requirement that the Secretary of the Navy award five military construction projects prior to awarding the "Replace Andersen Housing Phase II" project.

The Senate amendment contained no similar provision.

The Senate recesses.

*Enhancing force protection and safety on military installations (sec. 2810)*

The House bill contained a provision (sec. 2806) that would authorize the secretaries of the military departments to carry out military construction projects to enhance force protection and safety on military installations. This section would require a notification to the congressional defense committees prior to obligating or expending funds to carry out a project under this authority.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment.

*Limitation on use of funds for acquisition of furnished energy for new medical center in Germany (sec. 2811)*

The House bill contained a provision (sec. 2807) that would prohibit the Secretary of Defense or the secretary of any military department from using funds to enter into a contract for the acquisition of energy for the proposed Rhine Ordnance Barracks Army Medical Center until the Secretary of Defense submits certain certifications regarding the source of energy supply and the design of the medical center.

The Senate amendment contained no similar provision.  
The Senate recesses.

## **SUBTITLE B—REAL PROPERTY AND FACILITIES ADMINISTRATION**

*Force structure plans and infrastructure capabilities necessary to support the force structure (sec. 2821)*

The House bill contained a provision (sec. 2812) that would require the Secretary of Defense to submit a force structure plan for each military service not later than February 3, 2021, accompanied by a categorical model of installation capabilities required to support force structure and an assessment of the adequacy of the Department of Defense's existing infrastructure inventory to support force structure plans.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Exemption of Department of Defense off-site use and off-site removal only non-mobile properties from certain excess property disposal requirements (sec. 2822)*

The House bill contained a provision (sec. 2811) that would amend section 11411 of title 42, United States Code, to provide the Department of Defense discretion on the reporting of surplus facilities for possible assistance for the homeless.

The Senate amendment contained no similar provision.

The Senate recesses with a technical amendment that includes a consultation requirement with the Executive Director of the United States Interagency Council on Homelessness prior to any determinations.

*Retrofitting existing windows in military family housing units to be equipped with fall prevention devices (sec. 2823)*

The House bill contained a provision (sec. 2813) that would amend section 2879 of title 10, United States Code, to authorize the secretaries of the military departments to create a grant program from which privatized housing entities and military installations may request funds to retrofit or install window fall prevention devices in privatized and military-owned housing.

The Senate amendment contained no similar provision.

The Senate recesses.

*Updating prohibition on use of certain assessment of public schools on Department of Defense installations to supersede funding of certain projects (sec. 2824)*

The House bill contained a provision (sec. 2814) that would freeze a portion of the Public Schools on Military Installations List required in the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328) to ensure that the original top 38 schools do not lose priority due to any reassessment.

The Senate amendment contained no similar provision.

The Senate recesses.

*Study of feasibility of using 20-year intergovernmental support agreements for installation-support services (sec. 2825)*

The House bill contained a provision (sec. 2815) that would direct each Secretary concerned to conduct a study on the feasibility and desirability of using 20-year intergovernmental support agreements for installation-support services. This section would also require each Secretary to submit a report to the congressional defense committees on the study.

The Senate amendment contained no similar provision.

The Senate recesses.

*Representation of installation interests in negotiations and proceedings with carriers and other public utilities (sec. 2826)*

The Senate amendment contained a provision (sec. 2835) that would amend section 501(c) of title 40, United States Code, by requiring that any representative of the General Services Administration that will represent a military installation in any negotiation must first notify the senior mission commander of the installation and solicit and represent the interest of the installation as determined by the installation's senior mission commander.

The House bill contained no similar provision.

The House recesses.

*Clarification to include National Guard installations in Readiness and Environmental Protection Integration program (sec. 2827)*

The Senate amendment contained a provision (sec. 6801) that would clarify that State-owned National Guard installations qualify as military installations under section 2684a of title 10, United States Code.

The House bill contained no similar provision.

The House recesses.

## **SUBTITLE C—LAND CONVEYANCES**

*Land exchange, Air Force Plant 44, Tucson, Arizona (sec. 2841)*

The House bill contained a provision (sec. 2821) that would grant the Secretary of the Air Force permissive authority to convey 58 acres on Air Force Plant 44, Arizona to Tucson International Airport and the ability to construct new explosives storage facilities to replace the existing facility that would be conveyed with this provision while ensuring that the new explosives storage facilities is within the end-of-runway clear zone.

The Senate amendment contained an identical provision (sec. 2821).

The conference agreement contains this provision.

*Authority for transfer of administrative jurisdiction over certain lands, Marine Corps Air Ground Combat Center Twentynine Palms, California, and Marine Corps Air Station Yuma, Arizona (sec. 2842)*

The House bill contained a provision (sec. 2822) that would authorize the Secretary of the Navy to transfer acquired State and privately owned lands to the Secretary of the Interior for inclusion as public lands withdrawn and reserved by section 2941 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113-66). This section would also allow the Secretary of the Interior to transfer certain parcels of land at Marine Corps Air Station Yuma to the Secretary of the Navy.

The Senate amendment contained no similar provision.

The Senate recesses.

*Environmental restoration and future conveyance of portion of former Mare Island Firing Range, Vallejo, California (sec. 2843)*

The House bill contained a provision (sec. 2823) that would require the Secretary of the Navy to restore the former Mare Island firing range.

The Senate bill contained no similar provision.

The Senate recesses.

The conferees note that the restoration of Mare Island does not set a precedence for future land conveyances.

*Release of restrictions, University of California, San Diego (sec. 2844)*

The Senate amendment contained a provision (sec. 6802) that would allow the Secretary of the Navy to release a parcel of real property consisting of approximately 495 acres to the San Diego campus of the University of California.

The House bill contained no similar provision.

The House recesses with a technical amendment that drops the reversionary clause, as the conveyance requires fair market value to be paid for the property.

*Land exchange, Naval support activity, Washington Navy Yard, District of Columbia (sec. 2845)*

The House bill contained a provision (sec. 2824) that would authorize the Secretary of the Navy to convey one or more parcels of real property, as determined appropriate by the Secretary to protect the interests of the United States.

The Senate amendment contained no similar provision.

The Senate recesses with a technical amendment.

*Land conveyance, Eglin Air Force Base, Florida (sec. 2846)*

The Senate amendment contained a provision (sec. 2822) that would grant the Secretary of the Air Force permissive authority to convey 80 acres of land adjacent to Eglin Air Force Base to the Air Force Enlisted Village.

The House bill contained no similar provision.

The House recesses with an amendment that would require the Air Force Enlisted Village to pay a fair market value for the specified land.

*Public inventory of Guam land parcels for transfer to Government of Guam (sec. 2847)*

The House bill contained a provision (sec. 2827) that would require the Secretary of the Navy to establish, maintain, and regularly update an inventory of real property located on Guam owned by the U.S. Government and administered by the Department of the Navy, which the Secretary of the Navy expects to transfer to the Government of Guam. Such inventory shall be available online and accessible to the public and include specific information about each parcel of land included in the inventory. This section would also establish a formal process for the Governor of Guam to petition the Secretary of the Navy to add parcels to the inventory.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Modification of conditions on land conveyance, Joliet Army Ammunition Plant, Illinois (sec. 2848)*

The House bill contained a provision (sec. 2828) that would amend section 2922(c) of the Military Construction Authorization Act for Fiscal Year 1996 (division B of Public Law 104-106) as amended by section 2842 of the Military Construction Authorization Act for Fiscal Year 2000 (Public Law 106-55) to remove the restrictions on the origin of the waste contained in the landfill and to remove the date of closure of the landfill.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Land conveyance, Naval Academy dairy farm, Gambrills, Maryland (sec. 2849)*

The House bill contained a provision (sec. 2829) that would authorize conveyance of 40 acres of land from the United States Naval Academy Dairy Farm to Anne Arundel County, Maryland, contingent on certain conditions and considerations.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Technical correction of description of Limestone Hills Training Area Land Withdrawal and Reservation, Montana (sec. 2850)*

The House bill contained a provision (sec. 2830) that would amend section 2931 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113-66) to adjust the acreage of withdrawn public land in Broadwater County, Montana.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Land conveyance, Wasatch-Cache National Forest, Rich County, Utah (sec. 2851)*

The House bill contained a provision (sec. 2830A) that would direct the Secretary of Agriculture to transfer ownership of 80 acres of public land to the Utah State University Research Foundation, a 501(c)(3) non-profit.

The Senate amendment contained no similar provision.

The Senate recesses.

*Commemoration of Freedman's Village (sec. 2852)*

The House bill contained a provision (sec. 2830B) that would allow an easement of approximately 0.1 acre of land outside Arlington National Cemetery for the purpose of recognizing Freedman's Village.

The Senate amendment contained a similar provision (sec. 2831) that would allow an easement of no less than 0.1 acre of land outside Arlington National Cemetery and would name the gate for the purpose of recognizing Freedman's Village.

The House recesses.

## **SUBTITLE D—OTHER MATTERS**

*Defense community infrastructure pilot program (sec. 2861)*

The House bill contained a provision (sec. 2841) that would amend section 2391 of title 10, United States Code, to authorize the Secretary of Defense to make grants, conclude cooperative agreements, and supplement funds available under other Federal programs to assist States and local governments in addressing deficiencies in community infrastructure projects or facilities which are located outside of military installations but which support military installations.

The Senate amendment contained a similar provision (sec. 2834) that would amend section 2391 of title 10, United States Code, by granting the Secretary of Defense permissive authority to make grants, conclude cooperative agreements, and supplement funds to assist State and local governments in addressing deficiencies in community infrastructure. The provision would require that the State or local government contribute not less than 30 percent of the funding for the community infrastructure project. The authority set forth in this provision would expire on September 30, 2023.

The House recesses with a technical amendment that would include a 10-year sunset on the program and amend the reference

population of "rural area" in the provision to be consistent with the number of inhabitants below an "urbanized area" as defined by the United States Census Bureau.

The conferees note the importance of the communities that surround and support U.S. military installations and believe that this program can be of tremendous benefit to both the surrounding community and respective installations.

*Strategic plan to improve capabilities of Department of Defense training ranges and installations (sec. 2862)*

The Senate amendment contained a provision (sec. 2832) that would require the Secretary of Defense, working through the Under Secretary of Defense for Acquisition and Sustainment, to develop a comprehensive strategic plan for using existing authorities to address training constraints to improve operations training capabilities requiring training enablers available in and outside the United States.

The House bill contained no similar provision.

The House recesses with a clarifying amendment that requires the strategic plan to include infrastructure requirements.

*Restrictions on use of funds for development of public infrastructure in Commonwealth of Northern Mariana Islands (sec. 2863)*

The House bill contained a provision (sec. 2842) that would require the Secretary of Defense to convene an Economic Adjustment Committee meeting and describe assistance necessary to support changes in Department of Defense activities in the Commonwealth of the Northern Mariana Islands in a report to the congressional defense committees. This section would also prohibit the Department of Defense from carrying out any grant, transfer, cooperative agreement, or supplemental funding that will result in the development of public infrastructure unless such project is included in the Economic Adjustment Committee report and specifically authorized by law.

The Senate amendment contained no similar provision.

The Senate recesses.

*Study and report on inclusion of Coleman Bridge, York River, Virginia in Strategic Highway Network (sec. 2864)*

The House bill contained a provision (sec. 2843) that would require the Commander, U.S. Transportation Command, to review the feasibility of including the George P. Coleman

Memorial Bridge near Naval Weapons Station, Yorktown, Virginia, in the Strategic Highways Network and to report his findings to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment that would strike the findings.

*Defense access roads relating to closures due to sea level fluctuation and flooding (sec. 2865)*

The House bill contained a provision (sec. 2848) that would amend section 210(a)(1) of title 23, United States Code to include closures due to sea level rise and flooding and would authorize the use of defense access roads funds to pay the cost of repairs as a result of or mitigations to prevent closure due to sea level rise or flooding.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

*Authority to transfer funds for construction of Indian River Bridge (sec. 2866)*

The Senate amendment contained a provision (sec. 2835) that would grant the Secretary of Defense permissive authority to transfer up to 50 percent of the shared costs for the construction of the Indian River Bridge to the Administrator of the National Aeronautics and Space Administration.

The House bill contained no similar provision.

The House recedes.

*Plan to allow increased public access to the National Naval Aviation Museum and Barrancas National Cemetery, Naval Air Station Pensacola (sec. 2867)*

The Senate amendment contained a provision (sec. 6803) that required the Secretary of the Navy to submit a plan to the congressional defense committees on allowing increased public access to the National Naval Aviation Museum and Barrancas National Cemetery.

The House bill contained no similar provision.

The House recedes.

#### **LEGISLATIVE PROVISIONS NOT ADOPTED**

*Treatment of leases of non-excess property entered into with insured depository institutions*

The House bill contained a provision (sec. 2808) that would direct the Secretary concerned to accept financial services provided by an insured depository institution to servicemembers and employees of the Department of Defense as sufficient in-kind consideration to cover all lease, services, and utilities costs assessed with regard to the leased property.

The Senate amendment contained no similar provision.

The House recesses.

#### *Promoting responsible leasing of property*

The House bill contained a provision (sec. 2816) that would require the service secretaries to certify that property already owned by the United States that would suit the purpose of the lease is not available before entering into a lease of real property.

The Senate amendment contained no similar provision.

The House recesses.

#### *Reports on buildings and facilities subject to exceptions to accessibility standards*

The House bill contained a provision (sec. 2817) that would require each concerned Secretary to submit an annual report for new construction that contains a list of each building or facility that is subject to certain exceptions to accessibility standards.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Secretary of Defense not later than February 1, 2019 to deliver a report to the congressional defense committees listing each building or facility constructed or leased by the Secretary during fiscal years 2014 through 2018 which is subject to one of the accessibility standard exceptions as follows: (1) The building or facility is leased by the Secretary concerned on a temporary, emergency basis for the use of officials providing disaster assistance; (2) The building or facility is located in a foreign country and is constructed in whole or in part with funds provided by the United States, but the Secretary concerned does not control the design criteria and the building or facility is not required to comply with standards under the Architectural Barriers Act of 1968 (42 U.S.C. 4151 et seq.); (3) The building or facility is located in a foreign country and is leased by the Secretary concerned; (4) The building or facility is subject to a waiver granted by the Principal Deputy Under Secretary of Defense who represents the Department of Defense on the United States Access Board.

*Authority for leasing real property at the Naval Air Station Key West, Florida*

The House bill contained a provision (sec. 2825) that would authorize the Secretary of the Navy to lease approximately 19 acres at the Naval Air Station Key West, Florida, for the purpose of constructing, operating, improving, and maintaining housing units under such terms as the Secretary considers appropriate.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note the Department already has authority to lease real property that has not been determined excess under title 10 section 2667, United States Code, to include authority to accept types of in-kind consideration. However, the property in question remains in a hopelessly dilapidated and unusable state. The conferees assess that the Department has not managed this particular property in responsible manner, and urges the Department to leverage its entire inventory of surplus but not excess properties in support of sailors, marines, and their families around the world.

*Sense of Congress regarding land conveyance, Mountain View, California*

The House bill contained a provision (sec. 2826) that would express the sense of Congress that the Secretary of the Army should explore all possible alternatives to a conveyance of Shenandoah Square, including subleasing the property.

The Senate amendment contained no similar provision.

The House recesses.

The conferees note that the Secretary of the Army should explore alternatives to the conveyance of Shenandoah Square, including subleasing the property to an entity that can better develop affordable housing on the property.

*Indefinite duration of certain military land withdrawals and reservations and improved management of withdrawn and reserved lands*

The House bill contained a provision (sec. 2831) that would amend statutory authority for several military land withdrawals to extend the withdrawals indefinitely. This section would also amend section 670a of title 16, United States Code, to require the Secretary of the Interior and the concerned secretary of a military department to continuously review such withdrawals and would establish a public comment process

regarding the resource management plans and military use of such lands.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Designation of potential wilderness area*

The House bill contained a provision (sec. 2832) that would allow the Secretary of the Interior to permit a microwave communications site on one acre of land within a federally protected wilderness area.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Native American Indian lands environmental mitigation program*

The Senate amendment contained a provision (sec. 2833) that would amend section 160 of title 10, United States Code, to authorize the Secretary of Defense to participate in a program to mitigate the environmental effects of defense activities on Indian lands and culturally connected locations.

The House bill contained no similar provision.  
The Senate recesses.

#### *Battleship preservation grant program*

The House bill contained a provision (sec. 2845) that would establish a grant program within the Department of the Interior for the preservation of historic battleships through fiscal year 2025.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Restrictions on rehabilitation of Over-the-Horizon Backscatter Radar Station*

The House bill contained a provision (sec. 2846) that would restrict the use of funds or resources to rehabilitate the Over-the-Horizon Backscatter Radar Station, unless those funds or resources are used to remove the perimeter fence surrounding it, until the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020.

The Senate amendment contained no similar provision.  
The House recesses.

#### *Modification to First Division Monument*

The House bill contained a provision (sec. 2847) that would allow the Society of the First Infantry Division to make modifications to the First Division Monument located on Federal land in Presidential Park in District of Columbia.

The Senate amendment contained no similar provision.

The House recesses.

#### *Modification of boundaries of White Sands National Monument and White Sands Missile Range*

The House bill contained a provision (sec. 3549) that would modify the boundaries of the White Sands National Monument. This provision would convey 3,737 acres of land from the Secretary of the Interior to the Secretary of the Army. This provision would also convey 8,592 acres of land from the Secretary of the Army to the Secretary of the Interior.

The Senate amendment contained a similar provision (sec. 2836) that would establish White Sands National Park and abolish White Sands National Monument. The establishment of a national park would increase the public recognition of the significant resources of White Sands. This provision would modify the boundary of White Sands National Park and convey 3,737 acres of land from the Secretary of the Interior to the Secretary of the Army. This provision would also convey 8,592 acres of land from the Secretary of the Army to the Secretary of the Interior.

The conference agreement does not include either provision.

#### *Fees for medical services*

The House bill contained a provision (sec. 6101) that would authorize the Secretary of the Interior to collect fees for medical services provided by National Park Service.

The Senate amendment contained no similar provision.

The House recesses.

#### *Superior National Forest Land Exchange*

The Senate amendment contained a provision (sec. 7518) that would allow the Secretary of Agriculture to transfer of approximately 6,650 acres of the National Forest System land within the Superior National Forest to PolyMet Mining, Inc.

The House bill contained no similar provision.

The Senate recesses.

# TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

## *Summary*

The budget request included \$921,420,000 for Overseas Contingency Operations military construction for fiscal year 2019.

The conference agreement includes this amount for Overseas Contingency Operations military construction for fiscal year 2019.

The conference agreement does not include an authorization or an authorization of appropriation for a High-Value Detainee Facility at Guantanamo Bay, Cuba. The conferees believe the Department of Defense did not provide sufficient justification for the need to construct a new, permanent facility with increased capacity and capabilities. In addition, the conferees note that while the current facility may not be ideally configured, it is still capable of meeting current and foreseeable detention requirements.

As noted earlier in this report, the agreement transferred the following two military construction projects from the base budget request to Title XXIX, Overseas Contingency Operations Military Construction: Flightline Support Facilities at Al Udeid, Qatar and Personnel Deployment Processing Facility at Al Udeid, Qatar.

## *Authorized Army construction and land acquisition projects (sec. 2901)*

The House bill contained a provision (sec. 2901) that would contain the list of certain authorized Army construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2901).

The House recedes.

## *Authorized Navy construction and land acquisition projects (sec. 2902)*

The House bill contained a provision (sec. 2902) that would contain the list of authorized Navy construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2902).

The House recesses.

*Authorized Air Force construction and land acquisition projects (sec. 2903)*

The House bill contained a provision (sec. 2903) that would contain the list of certain authorized Air Force construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2903).

The House recesses with an amendment.

*Authorized defense agencies construction and land acquisition projects (sec. 2904)*

The House bill contained a provision (sec. 2904) that would contain the list of authorized defense agencies' construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2904).

The House recesses.

*Authorization of appropriations (sec. 2905)*

The House bill contained a provision (sec. 2905) that would authorize appropriations for Overseas Contingency Operations military construction at the levels identified in section 4602 of division D.

The Senate amendment contained a similar provision (sec. 2905).

The House recesses.

*Restrictions on use of funds for planning and design costs of European Deterrence Initiative projects (sec. 2906)*

The House bill contained a provision (sec. 2906) that would limit the ability of the secretaries concerned from using any of the amounts authorized to be appropriated for planning and design of military construction projects requested under the European Deterrence Initiative until the Secretary of Defense submits a list of the military construction projects to support

the European Deterrence Initiative that are anticipated during fiscal year 2019 and at least the four succeeding fiscal years. The Senate amendment contained no similar provision. The Senate recesses.

## **DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS**

### **TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**

#### **SUBTITLE A—NATIONAL SECURITY PROGRAMS AUTHORIZATIONS**

##### *National Nuclear Security Administration (sec. 3101)*

The House bill contained a provision (sec. 3101) that would authorize appropriations for the National Nuclear Security Administration for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 3101).

The House recesses with technical amendments.

##### *Defense environmental cleanup (sec. 3102)*

The House bill contained a provision (sec. 3102) that would authorize the appropriation of funds for the Department of Energy's defense environmental clean-up activities.

The Senate amendment contained a similar provision (sec. 3102).

The House recesses.

##### *Other defense activities (sec. 3103)*

The House bill contained a provision (sec. 3103) that would authorize appropriations for other defense activities of the Department of Energy for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 3103).

The House recesses.

*Nuclear energy (sec. 3104)*

The House bill contained a provision (sec. 3104) that would authorize appropriations for certain nuclear energy programs for the Department of Energy for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 3104).

The House recesses.

**SUBTITLE B—PROGRAM AUTHORIZATIONS,  
RESTRICTIONS, AND LIMITATIONS**

*Development of low-yield nuclear weapons (sec. 3111)*

The House bill contained a provision (sec. 3114) that would repeal section 3116 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-136), which prohibited the Secretary of Energy from commencing the engineering development phase, or any subsequent phase, of a low-yield nuclear weapon unless specifically authorized by Congress. The provision would also authorize the Secretary, acting through the Administrator for Nuclear Security, to carry out the engineering development phase, and any subsequent phase, to modify or develop a low-yield nuclear warhead for submarine-launched ballistic missiles.

The Senate amendment contained a provision (sec. 3117) that would make a series of findings and modify section 3116 of the National Defense Authorization Act for Fiscal Year 2004 such that the Secretary would be required to specifically request funds for a low-yield nuclear weapon before commencing the engineering development phase, or any subsequent phase, on that weapon.

The House recesses with amendments that would strike the findings and include the specific authorization contained in the House provision. The amendments would also modify section 4209(a)(1) of the Atomic Energy Defense Act (50 U.S.C. 2529) to require that the Secretary only carry out nuclear weapon development or modification programs, regardless of yield, if funds have been authorized to be appropriated for such programs by an act of Congress.

*Department of Energy counterintelligence polygraph program (sec. 3112)*

The House bill contained a provision (sec. 3112) that would amend section 4504b of the Atomic Energy Defense Act

(Public Law 95-238; 50 U.S.C 2654b) by authorizing the Secretary of Energy to add dual citizens to the Department of Energy counterintelligence polygraph program, for the purposes of assessing risk.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that specifies that this addition would only apply in the case of an authorized investigation.

*Inclusion of capital assets acquisition projects in activities by Director for Cost Estimating and Program Evaluation (sec. 3113)*

The House bill contained a provision (sec. 3131) that would amend the responsibility of the Director for Cost Estimating and Program Evaluation at the National Nuclear Security Administration (NNSA) to include cost estimation and program evaluation of acquisition of capital assets for atomic energy defense activities.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would: clarify that nothing in this section shall be construed to require duplicate reviews or cost estimates by the NNSA or other elements of the Department of Energy; defer the effective date of this provision until 18 months from the date of enactment of this Act; and require a briefing by the Administrator for Nuclear Security and the Secretary of Energy not later than 1 year after the date of enactment on a plan for implementing this provision in a manner that avoids duplication of effort.

*Modification of authority for acceptance of contributions for acceleration of removal or security of fissile materials, radiological materials, and related equipment at vulnerable sites worldwide (sec. 3114)*

The Senate amendment contained a provision (sec. 3116) that would amend section 3132(f)(7) of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108-375) to extend the Secretary of Energy's authority to accept, retain, and use contributions for the accelerated removal of and security for fissile materials, radiological materials, and related equipment at vulnerable sites worldwide through 2023.

The House bill contained no similar provision.

The House recedes with an amendment that would remove 30-day notifications to Congress for foreign contributions.

*Notification regarding air release of radioactive or hazardous material at Hanford Nuclear Reservation (sec. 3115)*

The House bill contained a provision (sec. 3121) that would require the Assistant Secretary of Energy for Environmental Management to promptly notify and provide a briefing to the congressional defense committees after a release of contamination resulting from defense waste at the Hanford Site.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the notification requirement to air releases of radioactive material or hazardous material released above statutory or regulatory limits and would clarify the notification timelines.

*Amendments to the Atomic Energy Act of 1954 (sec. 3116)*

The Senate amendment contained a provision (sec. 3113) that would permit the delegation of review under section 57b of the Atomic Energy Act of 1954 (Public Law 83-703), as amended (42 U.S.C. 2077(b)(2)), on a case-by-case basis as consistent with the national security interests of the United States. The provision would also require that, during a review under section 57b of title 42, United States Code, if such a request is denied, the Department of Energy be told the reasons for denial during interagency review or, if the review period is extended, the reason for this extension, to be reported to the congressional defense committees on an annual basis.

The House bill contained no similar provision.

The House recedes with an amendment that would strike the subsection related to interagency consultations and clarify that authority regarding approval of technology transfers may not be delegated for technologies related to enrichment and reprocessing of special nuclear material nor for transfers of any technologies to any covered foreign country. The amendment would also clarify the reporting requirement relating to such delegations, remove the sense of the Senate on civil penalties for violations, and remove the requirement for the Secretary of Energy to revise regulations.

The conferees agree that the Secretary of Energy has the authority to impose civil penalties for violations of section 57 b.(2) of the Atomic Energy Act of 1954 (42. U.S.C. 2077 (b(2))).

*Extension of enhanced procurement authority to manage supply chain risk (sec. 3117)*

The House bill contained a provision (sec. 3113) that would extend the authority provided by section 2786 of title 50, United States Code, the authority for the Secretary of Energy to take certain actions with regard to the protection of the supply chain of the Department of Energy, for an additional 5 years, to June 30, 2023.

The Senate amendment contained a provision (sec. 3114) that would extend the same authority for an additional 6 years. The Senate recesses.

*Hanford waste tank cleanup program (sec. 3118)*

The House bill contained a provision (sec. 3120B) that would extend the Office of River Protection until 2024. The Senate amendment contained no similar provision. The Senate recesses.

*Use of funds for construction and project support activities relating to MOX facility (sec. 3119)*

The House bill contained a provision (sec. 3115) that would require the Secretary of Energy to carry out construction and project support activities relating to the Mixed Oxide Fuel Fabrication Facility with any funds authorized to be appropriated by this Act or otherwise made available for such purposes for fiscal year 2019. The provision would allow the Secretary to waive this requirement if the Secretary submits to the congressional defense committees the matters described under section 3121(b)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91).

The Senate amendment contained a provision (sec. 3118) that would prohibit the Department of Energy from obligating or expending any funds for fiscal year 2019 or prior fiscal years to terminate construction and project support activities at the Mixed Oxide Fuel Fabrication Facility or to convert such facility to be used for any purpose other than its original mission.

The Senate recesses.

*Plutonium pit production (sec. 3120)*

The House bill contained a provision (sec. 3120A) that would require the Secretary of Defense to enter into a contract with a federally funded research and development center (FFRDC) to conduct an assessment of the plutonium strategy of the National Nuclear Security Administration (NNSA). In addition, the provision would require the Secretary of Energy to submit to

the congressional defense committees not later than 180 days from the date of enactment of this Act a report on the plan for producing plutonium pits 31-80 at Los Alamos National Laboratory, in case the MOX facility is not operational and producing pits by 2030. The provision would also require the Secretary of Energy to submit an updated Statement of Mission Need by September 2020. Finally, the provision would require the Chairman of the Nuclear Weapons Council to submit annually to the Secretary of Defense, the Administrator for Nuclear Security, and the congressional defense committees a written certification that the plutonium pit production plan of the NNSA is on track to meet the military requirement of 80 pits per year by 2030, the statutory requirements for pit production timelines under section 4219 of the Atomic Energy Defense Act (50 U.S.C. 2538a), and milestones for implementation of the NNSA's plutonium strategy.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would require the Secretary of Defense to consult with the Administrator for Nuclear Security in entering into the contract with the FFRDC and would modify the elements of the assessment. The amendments would also require that the FFRDC have full and direct access to all information related to pit production from the NNSA and from its management and operating contractors. The amendments would further modify the report regarding plutonium pit production at Los Alamos to require the Administrator for Nuclear Security to write the report and to require additional details on the plan to produce 30 pits per year by 2026. Finally, the amendments would strike the requirement to submit an updated Statement of Mission Need and add a requirement that the NNSA Director for Cost Estimation and Program Evaluation submit to the congressional defense committees an assessment of the NNSA report on pit production at Los Alamos, including an assessment of the impact of increased ARIES activity in support of the dilute and dispose program on the plutonium pit production mission.

The conferees note that the Senate report accompanying S. 2987 (S. Rept. 115-262) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 required a similar FFRDC assessment. The conferees intend for the requirement in this provision to replace the requirement in the Senate report rather than create a new requirement for another assessment.

Finally, the conferees direct the Comptroller General of the United States to review the report required by subsection (c)(2) of this provision, specifically the assessment of the effect of increased ARIES activity on the plutonium pit production mission. The Comptroller General shall provide a

briefing on this assessment to the House and Senate Armed Services Committees, with the scope of the assessment and the date of the briefing to be determined in consultation with the committees.

*Pilot program on conduct by Department of Energy of background reviews for access by certain individuals to national security laboratories (sec. 3121)*

The Senate amendment contained a provision (sec. 3115) that would establish a pilot program for 2 years at the Department of Energy to independently conduct background reviews prior to admitting to national security laboratories citizens of nations on the current sensitive countries list. The provision would require the Federal Bureau of Investigation and the Director of National Intelligence to continue to conduct background reviews under section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) for the duration of the pilot program.

The House bill contained no similar provision.

The House recesses.

*Prohibition on availability of funds for programs in Russian Federation (sec. 3122)*

The House bill contained a provision (sec. 3116) that would prohibit obligation or expenditure of any funds for fiscal year 2019 for atomic energy defense activities to enter into a contract with, or otherwise provide assistance to, the Russian Federation. The provision would also provide for a waiver and would not apply to up to \$3.0 million that the Secretary of Energy may make available for the Department of Energy's Russian Health Studies Program.

The Senate amendment contained no similar provision.

The Senate recesses.

*Prohibition on availability of funds for research and development of advanced naval nuclear fuel system based on low-enriched uranium (sec. 3123)*

The House bill contained a provision (sec. 3117) that would prohibit the authorization or expenditure of any funds for fiscal year 2019 for the Department of Energy or the Department of Defense for research and development of an advanced naval nuclear fuel system based on low-enriched uranium (LEU). The provision contains an exception that would authorize, from within amounts made available for fiscal year 2019 for defense

nuclear nonproliferation, \$10.0 million to be made available to the Deputy Administrator for Naval Reactors for LEU activities.

The Senate amendment contained no similar provision.

The Senate recesses.

The conferees note that both Departments' expertise in naval fuel requirements and design resides within the Naval Nuclear Propulsion Program. The conferees believe that funds authorized and appropriated for the purposes of research and design into the use of LEU in naval reactors are best spent in support of Naval Reactors' activities at the Naval Nuclear Laboratory.

*Limitation on availability of funds relating to submission of annual reports on unfunded priorities (sec. 3124)*

The House bill contained a provision (sec. 3118) that would prohibit the obligation or expenditure of funds authorized to be appropriated from the National Nuclear Security Administration's Federal Salaries and Expenses account for travel and transportation of persons until the Administrator for Nuclear Security submits a report that contains at least one unfunded priority under section 4716 of the Atomic Energy Defense Act (50 U.S.C. 2756). This provision would apply to each year from fiscal years 2020 through 2024.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment that would modify the prohibition such that not more than 65 percent of funds may be obligated or expended from this account until the report described above is submitted.

## **SUBTITLE C—PLANS AND REPORTS**

*Modifications to cost-benefit analyses for competition of management and operating contracts (sec. 3131)*

The Senate amendment contained a provision (sec. 3121) that would modify the requirement for the Administrator of the National Nuclear Security Administration (NNSA) to provide a report to the congressional defense committees containing a cost-benefit analysis of competition of management and operating contracts for NNSA laboratories and production plants following each award of such a contract such that the report would be due 30 days after the transition to a new contract is complete.

The House bill contained no similar provision.

The House recesses with amendments that would extend the requirement through 2022 and add a requirement for the Administrator to provide a briefing no later than 7 days after

the release of a request for proposal for any contract to manage and operate an NNSA facility. This briefing would provide a preliminary estimate of the costs and benefits of competing such contract. The amendment would also make a technical change that would transfer the entire requirement from the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-239) into title 50 of United States Code.

*Nuclear forensics analyses (sec. 3132)*

The House bill contained a provision (sec. 3120) that would require the Secretary of Energy, in consultation with the Secretary of Defense and the Secretary of Homeland Security, to seek to enter into an agreement with the National Academy of Sciences for an independent assessment of nuclear forensic analyses conducted by the Federal Government.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

*Review of defense environmental cleanup activities (sec. 3133)*

The Senate amendment contained a provision (sec. 3122) that would require the Secretary of Energy to coordinate with the National Academies of Sciences, Engineering, and Medicine on a review of the cleanup activities in the Office of Environmental Management.

The House bill contained no similar provision.

The House recedes with an amendment to include recommendations in the assessment that would enhance effectiveness and efficiency within the program.

*Whistleblower protections (sec. 3134)*

The House bill contained a provision (sec. 3132) that would contain findings and express the sense of Congress regarding nuclear safety and require the Secretary of Energy to impose civil penalties on contractors, subcontractors, and suppliers for violations of Department of Energy rules, regulations, and orders relating to nuclear safety and radiation protection. The provision would also require the Secretary to define, within 120 days of enactment of this Act, what constitutes evidence of a chilled work environment with respect to employees and contractors making a whistleblower complaint and would require an annual congressional notification on the imposition of any penalties related to violations of rules, regulations, and orders by contractors, subcontractors, and suppliers.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would strike the findings, strike the requirement to impose civil penalties as the Secretary or the Administrator determines appropriate and instead add it to the sense of Congress, and clarify the reporting requirement related to a chilled work environment.

*Implementation of Nuclear Posture Review by National Nuclear Security Administration (sec. 3135)*

The Senate amendment contained a provision (sec. 3125) that would require the Administrator of the National Nuclear Security Administration (NNSA) to submit to the congressional defense committees a report on the implementation of the 2018 Nuclear Posture Review (NPR) by the NNSA. The report would identify specific actions associated with the NPR, including the office of primary responsibility for each action and key milestones associated with it.

The House bill contained no similar provision.

The House recedes with an amendment that would require the report to include the estimated cost of an action when available.

*Survey of workforce of national security laboratories and nuclear weapons production facilities (sec. 3136)*

The Senate amendment contained a provision (sec. 3123) that would require the Administrator of the National Nuclear Security Administration (NNSA) to submit to the congressional defense committees a proposal to conduct a survey, similar to the Federal Employee Viewpoint Survey, of the employees of the NNSA laboratories and production plants.

The House bill contained no similar provision.

The House recedes with an amendment that would add a requirement for the Administrator to consider in her report the value of the survey in light of other tools for gathering similar data on workforce issues in order to avoid unnecessary duplication.

*Elimination of certain reports (sec. 3137)*

The Senate amendment contained a provision (sec. 3124) that would eliminate certain reporting requirements for the Department of Energy's Environmental Management Office.

The House bill contained no similar provision.

The House recedes with an amendment to preserve the future-years defense environmental management plan and to keep

the certification requirements for waste shipments to the Waste Isolation Pilot Plant until fiscal year 2019.

## **SUBTITLE D—OTHER MATTERS**

*Acceleration of replacement of cesium blood irradiation sources (sec. 3141)*

The House bill contained a provision (sec. 3119) that would require the Administrator for the National Nuclear Security Administration (NNSA) to ensure that the goal of the Cesium Irradiator Replacement Program and the Offsite Source Recovery Program is the elimination of the use in the United States of blood irradiation devices that rely on cesium chloride by December 31, 2027.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Administrator for NNSA to identify in a reporting requirement the disposal pathway for cesium chloride sources.

*Sense of Congress regarding compensation of individuals relating to uranium mining and nuclear testing (sec. 3142)*

The House bill contained a provision (sec. 3122) that would state the sense of Congress that the United States should compensate and recognize all of the miners, workers, downwinders, and others suffering from the effects of uranium mining and nuclear testing carried out during the Cold War.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make a series of related findings regarding the Radiation Exposure Compensation Act (Public Law 101-426) and the Energy Employees Occupational Illness Compensation Program Act of 2000 (Public Law 106-398). The amendment would also acknowledge that, as of the date of enactment of this Act, more than 150,231 claims have been paid out for a total of \$17.4 billion in lump sum compensation and medical expenses under these two Acts.

## **LEGISLATIVE PROVISIONS NOT ADOPTED**

*Security clearance for dual nationals employed by National Nuclear Security Agency*

The House bill contained a provision (sec. 3111) that would authorize the Secretary of Energy to apply additional

security reviews to dual citizens seeking positions that require access to highly classified information.

The Senate amendment contained no similar provision.

The House recesses.

The conferees expect an appropriate level of vetting of all personnel with access to classified information, and encourage the Secretary to pay particular attention to the vetting of dual nationals.

#### *Manufacturing Trades Education Grant Program*

The House bill contained a provision (sec. 3120C) that would authorize the Secretary of Energy to establish the Manufacturing Trades Education Grant Program.

The Senate amendment contained no similar provision.

The House recesses.

The conferees recognize the importance of technical skills-based training, including apprenticeship and pre-apprenticeship programs, and supports efforts to strengthen these programs. The conferees encourage further work with the Secretary of Energy on these efforts, and encourage the Secretary to continue to use such programs to further the missions of the Department of Energy and National Nuclear Security Administration.

#### *Clarification of roles and authorities of National Nuclear Security Administration*

The Senate amendment contained a provision (sec. 3111) that would clarify the roles and authorities of the National Nuclear Security Administration (NNSA) through a series of amendments to the National Nuclear Security Administration Act (50 U.S.C. Ch. 41) and the Atomic Energy Defense Act (50 U.S.C. Ch. 42). The provision would also make several technical corrections to the Atomic Energy Defense Act and remove the cap imposed on the number of full-time equivalent federal employees at the NNSA by section 3241A of the NNSA Act (50 U.S.C. 2441a).

The House bill contained no similar provision.

The Senate recesses.

The conferees note that similar legislation was considered in the course of the drafting of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-239). The statement of managers accompanying that Act noted that there was "widespread recognition that the current system for governance, management, and oversight of the nuclear security enterprise is broken." The same statement noted similar conclusions made by the 2009 Congressional Commission on the Strategic Posture of

the United States and several other bipartisan or nonpartisan organizations. Additional studies and commissions have agreed in the years since.

The National Defense Authorization Act for Fiscal Year 2013 also created a bipartisan advisory commission to provide "actionable recommendations that directly address the host of systemic problems identified by previous studies and by the conferees," later known as the Augustine-Mies Panel. In 2014, this panel recommended a sweeping series of major changes at NNSA and the Department of Energy more broadly, including renaming the Department to be the "Department of Energy and Nuclear Security," more fully integrating the NNSA into the Department, elevating the NNSA Administrator to the level of Deputy Secretary, and other actions to address deep-rooted cultural problems. The conferees note that a lack of consensus among the Department and the many congressional committees of jurisdiction prevented most of the major recommendations from being implemented, while others have languished in the bureaucracy or have been implemented without sufficient efforts to measure success. The conferees appreciate the work of the ongoing joint National Academies of Sciences, Engineering, and Medicine (NAS) and National Academy of Public Administration (NAPA) panel created by the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to assess the NNSA's and the Department's progress in implementing prior recommendations, and note that the panel's most recent interim report concludes that activities to implement prior reform recommendations have not been "rooted in an adequate foundation of strategic thinking."

The conferees note that the Augustine-Mies Panel concluded that, if "significant progress [was] not made within the next two years," the "only remaining course of action—and a clearly inferior one—is to remove [NNSA] from what is now the Department of Energy and establish it as an autonomous, independent organization."

The conferees note that almost 4 years have elapsed since the Augustine-Mies Panel made its recommendations, and almost 6 years have elapsed since the 2013 statement of managers described the nuclear security enterprise as "broken." While disagreement remains with some of the specific conclusions of the panel, the conferees have not witnessed significant progress—only "changes on the margins," as anticipated by the 2013 conferees. Continued cost overruns on major projects, critical capital acquisition decisions mired in dispute, ongoing safety and security concerns, and delayed infrastructure modernization projects indicate that significant progress has not been made.

The conferees expect that the joint NAS/NAPA panel will conclude its work in 2020. Rather than allowing the panel's reports and recommendations to languish along with over two decades of studies and commissions on this subject, the conferees believe that, at that time, the appropriate committees must work with the Department and the NNSA to consider major reforms to the governance of the nuclear security enterprise, but stress that a return to previous, failed models of organization and management are unlikely to be an acceptable option.

Finally, the conferees also note that a significant recommendation of the Augustine-Mies Panel was to "solidify Cabinet Secretary ownership of the mission" of the NNSA. As long as the NNSA remains part of the Department of Energy under the current construct of the NNSA Act, the conferees expect appropriate levels of engagement by the Secretary of Energy, the Deputy Secretary of Energy, and the Administrator for Nuclear Security with the committees of jurisdiction on priority atomic energy defense programs to ensure that the NNSA meets the military requirements set by the Department of Defense while making efficient and responsible use of taxpayer dollars.

#### *National Nuclear Security Administration Personnel System*

The Senate amendment contained a provision (sec. 3112) that would make permanent the personnel demonstration project carried out by the National Nuclear Security Administration since 2008.

The House bill contained no similar provision.

The Senate recesses.

#### *Assessment regarding eligibility for compensation for compensable diseases under Radiation Exposure Compensation Act*

The House bill contained a provision (sec. 1087) that would require the National Cancer Institute and the Centers for Disease Control and Prevention to assess the application of probability of causation/assigned share (PC/AS) to determine eligibility for compensation for compensable diseases under the Radiation Exposure Compensation Act.

The Senate amendment contained no similar provision.

The House recesses.

The conferees direct the Attorney General, not later than 120 days after the enactment of this Act, to submit a report to Congress on the feasibility and advisability of the application of PC/AS to determine eligibility for compensation for

compensable diseases under the Radiation Exposure Compensation Act.

*Additional amounts for inertial confinement fusion and high yield program*

The Senate amendment contained a provision (sec. 7101) that would authorize \$100.0 million in additional funds for the Department of Energy's initial confinement fusion and high yield program.

The House bill contained no similar provision.  
The Senate recesses.

## **TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD**

*Authorization (sec. 3201)*

The House bill contained a provision (sec. 3201) that would authorize funding for the Defense Nuclear Facilities Safety Board at \$31.2 million, consistent with the budget request.

The Senate amendment contained an identical provision (sec. 3201).

The conference agreement includes this provision.

## **TITLE XXXIV—NAVAL PETROLEUM RESERVES**

*Authorization of appropriations (sec. 3401)*

The House bill contained a provision (sec. 3401) that would authorize funds for the purpose of carrying out activities under chapter 641 of title 10, United States Code, relating to the naval petroleum reserves.

The Senate amendment contained no similar provision.  
The Senate recesses.

## **TITLE XXXV—MARITIME MATTERS**

### **SUBTITLE A—MARITIME ADMINISTRATION**

*Authorization of the Maritime Administration (sec. 3501)*

The House bill contained a provision (sec. 3501) that would authorize appropriations of the Department of Transportation for fiscal year 2019 for programs associated with maintaining the United States merchant marine, including authorizations for: the United States Merchant Marine Academy (USMMA); State maritime academies; National Security Multi-Mission Vessel; Maritime Administration (MARAD) operations and programs; disposal of vessels in the National Defense Reserve Fleet (NDRF); Title XI loan program; and Small Shipyards Grant program.

The Senate amendment contained similar provisions (sec. 3501, 7501, and 7502) that would authorize appropriations for most of the same programs at, generally, different authorization levels. The Senate amendment would also include a set-aside for port infrastructure development within MARAD operations and programs. The Senate amendment would also require a report on the status of unexpended appropriations for capital asset management at the USMMA, and the plan for expending such appropriations.

The House recedes with an amendment that would adopt Senate authorization levels for: State maritime academies, the National Security Multi-Mission Vessel program; and MARAD operations and programs. It would adopt the Senate provisions on port infrastructure development and the capital assessment management program report. It would adopt House authorization levels on the USMMA, and it would reiterate the authorization of the Small Shipyards Grant program in a manner similar to the House bill. It would set a compromise authorization level on disposal of vessels in the NDRF.

*Compliance by Ready Reserve Fleet vessels with SOLAS lifeboats and fire suppression requirements (sec. 3502)*

The House bill contained a provision (sec. 3502) that would require the Secretary of Defense to incorporate lifeboat and fire suppression standards associated with the International Convention for the Safety of Life at Sea for Ready Reserve Fleet vessels that are planned to be retained by the Secretary beyond October 1, 2026.

The Senate amendment contained no similar provision.  
The Senate recedes.

*Maritime Administration National Security Multi-Mission Vessel Program (sec. 3503)*

The House bill contained a provision (sec. 3503) that would limit the Maritime Administration from procuring used training vessels for the National Security Multi-Mission Vessel Program. Nothing in this provision would apply to the procurement of a used vessel, including a used vessel intended for State maritime academy training, that is not a national security multi-mission vessel under section 3505 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328).

The Senate amendment contained no similar provision.  
The Senate recesses.

*Permanent authority of Secretary of Transportation to issue vessel war risk insurance (sec. 3504)*

The House bill contained a provision (sec. 3504) that would amend chapter 539 of title 46, United States Code, to make permanent the authority of the Secretary of Transportation to provide vessel war risk insurance.

The Senate amendment contained an identical provision (sec. 7515).

The conference agreement includes this provision.

*Use of State maritime academy training vessels (sec. 3505)*

The House bill contained a provision (sec. 3505) that would require the Secretary, acting through the Maritime Administrator and in consultation with the State maritime academies (SMAs), to implement a program of vessel capacity sharing among the SMAs as necessary to ensure that training needs of each academy are met.

The Senate amendment contained a similar provision, which would, among other differences with the House bill, clarify that the program shall be implemented upon consultation with the maritime academies and to the extent feasible with the consent of the maritime academies.

The House recesses with an amendment that would, subject to the availability of appropriations, authorize the Maritime Administrator to provide additional funding to the SMAs during periods of limited training vessel capacity, for costs associated with training vessel sharing.

*Concurrent jurisdiction (sec. 3506)*

The Senate amendment contained a provision (sec. 7503) that would allow the Secretary of Transportation to relinquish,

at the Secretary's discretion, certain jurisdiction over the United States Merchant Marine Academy to local law enforcement, as necessary, to enable concurrent jurisdiction with the State of New York.

The House bill contained no similar provision.

The House recesses.

*United States Merchant Marine Academy policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking (sec. 3507)*

The Senate amendment contained a provision (sec. 7504) that would amend section 51318 of title 46, United States Code, to update the United States Merchant Marine Academy policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking.

The House bill contained no similar provision.

The House recesses.

*Report on implementation of recommendations for the United States Merchant Marine Academy Sexual Assault Prevention and Response Program (sec. 3508)*

The Senate amendment contained a provision (sec. 7505) that would require the Maritime Administrator to submit to Congress a report describing the progress of the Maritime Administration in implementing and completing each of the recommendations made in the Department of Transportation Office of Inspector General's report identifying gaps in the United States Merchant Marine Academy's Sexual Assault Prevention and Response Program.

The House bill contained no similar provision.

The House recesses.

*Report on the application of the Uniform Code of Military Justice to the United States Merchant Marine Academy (sec. 3509)*

The Senate amendment contained a provision (sec. 7506) that would require a report on impediments to the application of the Uniform Code of Military Justice at the United States Merchant Marine Academy.

The House bill contained no similar provision.

The House recesses.

*Electronic records on mariner availability to meet national security needs (sec. 3510)*

The Senate amendment contained a provision (sec. 7507) that would require the Secretary of Homeland Security to coordinate with the Secretary of Transportation to ensure that electronic records provide information on mariner availability to meet national security needs for credentialed mariners crewing strategic sealift vessels.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Department in which the Coast Guard is operating to ensure that these records are able to be used by the Secretary of Transportation to: (1) Determine the potential availability of mariners to meet national security sealift needs; and (2) Receive information on the qualification of such mariners.

#### *Small shipyard grants (sec. 3511)*

The Senate amendment contained a provision (sec. 7508) that would require the Maritime Administrator to post a notice of funding opportunity regarding assistance for small shipyards under section 54101 of title 46, United States Code, not more than 15 days after the date of enactment of the relevant appropriations Act for the fiscal year.

The House bill contained no similar provision.

The House recedes.

#### *Sea year on contracted vessels (sec. 3512)*

The Senate amendment contained a provision (sec. 7510) that would allow the Secretary of Transportation to meet United States Merchant Marine Academy (USMMA) cadet Sea Year training needs by requiring two USMMA cadets, if available, to be placed on each Maritime Security Program (MSP) and Military Sealift Command (MSC) vessel. The provision would allow the Commander of the MSC to waive the MSC-related requirements at any time if the Commander determines such placement would create an undue burden on the vessel. This provision would not affect the discretion of the Secretary to determine whether to place a USMMA cadet on a vessel; the Secretary would retain discretion to determine whether a cadet is available to be placed on an MSP or MSC vessel. The provision also would not affect the authority of the Coast Guard regarding a vessel security plan approved under section 70103 of title 46, United States Code. Finally, the provision would not affect the discretion of the master of the vessel to ensure the safety of all crew members.

The House bill contained no similar provision.  
The House recesses.

*GAO report on national maritime strategy (sec. 3513)*

The Senate amendment contained a provision (sec. 7511) that would require the Comptroller General to submit to Congress a report on national maritime strategy, including the following: (1) Key challenges, if any, to ensuring that the U.S. marine transportation system and merchant marine are sufficient to support U.S. economic and defense needs; (2) The extent to which a national maritime strategy incorporates desirable characteristics of successful national strategies; and (3) The extent to which Federal efforts to establish national maritime strategy are duplicative or fragmented.

The House bill contained no similar provision.

The House recesses with an amendment that would: (1) Require the due date for the Government Accountability Office report to be 12 months after the date of enactment of this Act, and (2) Update the due date for the national maritime strategy required under section 603 of the Howard Coble Coast Guard and Maritime Transportation Act of 2014 (Public Law 113-281) to be 18 months after enactment of this Act.

*Multi-year contracts (sec. 3514)*

The Senate amendment contained a provision (sec. 7513) that would clarify that nothing in the existing contracting authority for the National Security Multi-Mission Vessel Program, as codified in the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), may be construed to prohibit the Maritime Administration (MARAD) from entering into a multi-year contract for the procurement of up to five new vessels within the National Security Multi-Mission Vessel Program.

The House bill contained no similar provision.

The House recesses with an amendment that would clarify nothing in that existing authority may be construed to prohibit the entity responsible for contracting from entering into a multiple year or block contract for the procurement of up to six new vessels and associated government furnished equipment, subject to the availability of appropriations.

*Miscellaneous (sec. 3515)*

The House bill contained a provision (sec. 3533) that would amend multiple sections of title 14, United States Code, with various technical changes.

The Senate amendment contained no similar provision.

The Senate recesses.

*Department of Transportation Inspector General report on Title XI program (sec. 3516)*

The Senate amendment contained a provision (sec. 7512) that would require the Department of Transportation (DOT) Office of Inspector General to submit to Congress a report on the financial controls and protections included in the policies and procedures of the DOT for approving loan applications for the Title XI Program.

The House bill contained no similar provision.

The House recesses.

## **SUBTITLE B—COAST GUARD**

*Alignment with Department of Defense and sea services authorities (sec. 3521)*

The House bill contained a provision (sec. 3521) that would require the Coast Guard to notify Congress if there is not in effect any general order or regulation prohibiting sexual harassment by members of the Coast Guard and that the violation of such order or regulation is punishable in accordance with the Uniform Code of Military Justice. The notification is required to include the status of the drafting of such a regulation, the projected implementation timeline, and an explanation of any barriers to implementation. The provision also would add sexual harassment as part of the Coast Guard's annual report on sexual assault, and it also would add a requirement for the Coast Guard to submit to Congress an annual update on Coast Guard mission performance during the previous year.

The Senate amendment contained no similar provision.

The Senate recesses.

*Preliminary development and demonstration (sec. 3522)*

The House bill contained a provision (sec. 3522) that would amend section 573 of title 14, United States Code, to clarify the process to report safety concerns found either by an independent third party or a Government employee for acquisition

programs or projects or a capability or asset or any subsystem of a capability or asset not previously identified during operational test and evaluation of a capability or asset already in low, initial or full-rate production.

The Senate amendment contained no similar provision.

The Senate recesses.

*Contract termination (sec. 3523)*

The House bill contained a provision (sec. 3523) that would amend chapter 17 of title 14, United States Code, by inserting a new section 657 to establish a process for contract cancellation, including requiring the Coast Guard to notify each vendor when it terminates a procurement or acquisition contact with a total value of more than \$1.0 million and that such vendors are required to maintain all work product related to the contract for at least one year. Additionally, the Coast Guard shall provide an annual report to Congress on terminated contracts.

The Senate amendment contained no similar provision.

The Senate recesses with an amendment.

*Reimbursement for travel expenses (sec. 3524)*

The House bill contained a provision (sec. 3524) that would amend section 518 of title 14, United States Code, to state that a covered beneficiary and their dependents residing on an island located in the 48 contiguous States and the District of Columbia that lacks public access roads to the mainland, shall be reimbursed for reasonable travel expenses for medical services when referred by a primary care physician to a physician on the mainland or the Coast Guard medical regional manager for the area determines medical services cannot be provided on the island.

The Senate amendment contained no similar provision.

The Senate recesses.

*Capital investment plan (sec. 3525)*

The House bill contained a provision (sec. 3525) that would amend section 2902(a) of title 14, United States Code, to change the date when the Capital Investment shall be reported to Congress to require reporting on projected commissioning and decommissioning dates for each asset.

The Senate amendment contained no similar provision.

The Senate recesses.

*Major acquisition program risk assessment (sec. 3526)*

The House amendment contained a provision (sec. 3526) that would amend chapter 29 of title 14, United States Code, to add a section on major acquisition program risk assessment stating that twice a year the Coast Guard shall provide to Congress a briefing regarding a current assessment of risks associated with all current major acquisition programs, including breach of program schedule or costs.

The Senate bill contained no similar provision.

The Senate recesses.

*Marine safety implementation status (sec. 3527)*

The House bill contained a provision (sec. 3527) that would state that the Coast Guard shall submit a report to Congress on the date on which the President submits to Congress a budget for fiscal year 2020 and for the following two years on the implementation of each action outlined in the Commandant's final action memo from December 19, 2017.

The Senate amendment contained no similar provision.

The Senate recesses.

*Retirement of Vice Commandant (sec. 3528)*

The House bill contained a provision (sec. 3528) that would amend section 46 of title 14, United States Code, to state that a Vice Commandant who is not reappointed or appointed Commandant shall retire with the grade of admiral.

The Senate amendment contained no similar provision.

The Senate recesses.

*Large recreational vessel regulations (sec. 3529)*

The House bill contained a provision (sec. 3529) that would require the Secretary of the department in which the Coast Guard is operating through the Commandant of the Coast Guard to establish a code for certification of certain large recreational vessels.

The Senate amendment contained no similar provision.

The Senate recesses with amendment that would provide an interim process for large recreational vessels while the Coast Guard is developing the new certification process. It would also clarify that those vessels must be used exclusively for private use, not carry any cargo or passengers for hire, and limit application of the provision to U.S.-owned vessels.

## **SUBTITLE C—COAST GUARD AND SHIPPING TECHNICAL CORRECTIONS**

### **CHAPTER 1—COAST GUARD**

#### *Commandant defined (sec. 3531)*

The House bill contained a provision (sec. 3531) that would amend chapter 1 of title 14, United States Code, to add a section with the definition of the Commandant as the "Commandant of the Coast Guard". Throughout title 14, "Commandant of the Coast Guard" is replaced with "Commandant".

The Senate amendment contained no similar provision.  
The Senate recesses.

#### *Training course on workings of Congress (sec. 3532)*

The House bill contained a provision (sec. 3532) that would amend section 60(d) of title 14, United States Code, by striking an outdated training requirement and stating that a Coast Guard flag officer or Coast Guard Senior Executive Service employee working in the National Capital Region shall complete a training course on the workings of Congress not later than 60 days after reporting for duty.

The Senate amendment contained no similar provision.  
The Senate recesses.

#### *Miscellaneous (sec. 3533)*

The Senate amendment contained a provision (sec. 7517) that would clarify the definition of commercial vessel for the purposes of United States Merchant Marine Academy (USMMA) training requirements and that would streamline sexual assault training recordkeeping. The provision also would allow the Secretary of Commerce to waive bond requirements for certain vessel repairs, similar to authority already granted the Secretary of Transportation. Finally, the provision would remove certain funding limitations for State Maritime Academies, in a manner consistent with overall appropriation levels, as long as such academies meet certain admissions requirements.

The House bill contained no similar provision.  
The House recesses.

#### *Department of Defense consultation (sec. 3534)*

The House bill contained a provision (sec. 3534) that would amend section 566 of title 14, United States Code, to change "enter into" to "maintain" the memorandum of understanding with the Navy for technical assistance. This section would also amend section 566 of title 14, United States Code, to remove language for an already delivered one-time report on Coast Guard acquisitions.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Repeal (sec. 3535)*

The House bill contained a provision (sec. 3535) that would strike section 568 of title 14, United States Code, to remove guidance on excessive pass-through charges related to the long-defunct Deepwater acquisition program.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Mission need statement (sec. 3536)*

The House bill contained a provision (sec. 3536) that would amend section 569 of title 14, United States Code, to appear after section 2904 and renumber this section. This section would also amend subsection (a) in section 2904 of title 14, United States Code, as so redesignated, to strike ", on the date on which the President submits to Congress a budget for fiscal year 2019 under such section," and replace "for fiscal year 2016" with "for fiscal year 2019".

The Senate amendment contained no similar provision.  
The Senate recesses.

*Continuation on active duty (sec. 3537)*

The House bill contained a provision (sec. 3537) that would amend section 290(a) of title 14, United States Code, to change "Officers, other than the Commandant, serving" to "Officers serving" in or above the grade of vice admiral are not subject to consideration for continuation under this subsection.

The Senate amendment contained no similar provision.  
The Senate recesses.

*System acquisition authorization (sec. 3538)*

The House bill contained a provision (sec. 3538) that would amend section 2701(2) of title 14, United States Code, to

change "and aircraft" to "aircraft, and systems" for the requirement for prior authorization of appropriations. This section would also amend section 2702(2) of title 14, United States Code, to change "and aircraft" to "aircraft, and systems" for the appropriations.

The Senate amendment contained no similar provision.  
The Senate recedes.

#### *Inventory of real property (sec. 3539)*

The House bill contained a provision (sec. 3539) that would amend section 679(a) of title 14, United States Code, to change "not later than September 30, 2015, the Commandant shall establish" to "The Commandant shall maintain" the inventory of real property. This section would also amend section 679(b) of title 14, United States Code, to state that the Commandant shall update inventory of real property not later than 30 days after any change to control of such property.

The Senate amendment contained no similar provision.  
The Senate recedes.

## **CHAPTER 2—MARITIME TRANSPORTATION**

#### *Definitions (sec. 3541)*

The House bill contained a provision (sec. 3541) that would amend section 2101 of title 46, United States Code, to add the definition of the Commandant as the "Commandant of the Coast Guard", re-designate existing definitions, and update all cross-references to the definitions in section 2101 of title 46, United States Code, throughout the code.

The Senate amendment contained no similar provision.  
The Senate recedes.

#### *Authority to exempt vessels (sec. 3542)*

The House bill contained a provision (sec. 3542) that would amend section 2113 of title 46, United States Code, to strike subsections (4) and (5) and replace with a new subsection (4) to state that the Secretary may maintain different structural fire protection, manning, operating, and equipment requirements for vessels.

The Senate amendment contained no similar provision.  
The Senate recedes.

#### *Passenger vessels (sec. 3543)*

The House bill contained a provision (sec. 3543) that would amend section 3507 of title 46, United States Code, to strike subsection (a)(3) pertaining to an expired effective date, clarify subsection (e)(2) by changing "services confidential" to "services as confidential", and, in subsection (i), replace "Within 6 months after the date of enactment of the Cruise Vessel Security and Safety Act of 2010, the Secretary shall issue" with "The Secretary shall maintain" for procedures related to passenger vessel security and safety requirements. This section would also amend section 3508 of title 46, United States Code, to strike subsection (d) and removes outdated requirements in subsections (a), (c), and (e), as redesignated by the section.

The Senate amendment contained no similar provision.  
The Senate recedes.

#### *Tank vessels (sec. 3544)*

The House bill contained a provision (sec. 3544) that would amend section 3703a, 3705 and 3706 of title 46, United States Code, to remove outdated requirements. It would also amend section 1001(32)(A) of the Oil Pollution Act of 1990 (33 U.S.C. 2701(32)(a)) to remove an outdated cross-reference.

The Senate amendment contained no similar provision.  
The Senate recedes.

#### *Grounds for denial or revocation (sec. 3545)*

The House bill contained a provision (sec. 3545) that would amend section 7503a and 7704 of title 46, United States Code, to renumber the subsections after striking previously repealed subsection (a) in each section.

The Senate amendment contained no similar provision.  
The Senate recedes.

#### *Miscellaneous corrections to title 46, U.S.C. (sec. 3546)*

The House bill contained a provision (sec. 3546) that would amend miscellaneous sections of title 46, United States Code, to remove outdated requirements, re-designate subsections, and update cross-references.

The Senate amendment contained no similar provision.  
The Senate recedes.

#### *Miscellaneous corrections to Oil Pollution Act of 1990 (sec. 3547)*

The House bill contained a provision (sec. 3547) that would amend the Oil Pollution Act of 1990 (33 U.S.C. 2701) to remove outdated requirements, re-designate subsections, and update cross-references.

The Senate amendment contained no similar provision.  
The Senate recesses.

*Miscellaneous corrections (sec. 3548)*

The House bill contained a provision (sec. 3548) that would amend: section 1 of the Act of June 15, 1917 (chapter 30; 50 U.S.C. 191) to replace the "Secretary of Transportation" with the "Secretary of the department in which the Coast Guard is operating."; section 5(b) of the Act entitled "An Act to regulate the construction of bridges over navigable waters", approved March 23, 1906 (chapter 1130; 33 U.S.C. 495(b)) to remove outdated requirements; and section 5(f) of the Act to Prevent Pollution from Ships (33 U.S.C. 1904(f)) to remove outdated cross-references.

The Senate amendment contained no similar provision.  
The Senate recesses.

**LEGISLATIVE PROVISIONS NOT ADOPTED**

*Domestic ship recycling facilities*

The Senate amendment contained a provision (sec. 7509) that would establish a streamlined process for obtaining consent from the Environmental Protection Agency to import vessels containing regulated levels of polychlorinated biphenyl into the United States for recycling.

The House bill contained no similar provision.  
The Senate recesses.

*Navigation system study and report*

The Senate amendment contained a provision (sec. 7516) that would require the Government Accountability Office to conduct a comprehensive study of the Great Lakes - Saint Lawrence Seaway navigation system that examines the current state of the system and makes recommendations for improvements.

The House bill contained no similar provision.  
The Senate recesses.

*Coast Guard Authorization Act of 2018*

The House bill contained a division (Division D) that would authorize certain aspects of the Coast Guard.

The Senate amendment contained no similar provisions. The House recesses.

## **DIVISION D—FUNDING TABLES**

### *Authorization of amounts in funding tables (sec. 4001)*

The House bill contained a provision (sec. 7001) that would provide for the allocation of funds among programs, projects, and activities in accordance with the tables in division D of this Act, subject to reprogramming guidance in accordance with established procedures.

Consistent with the previously expressed views of the committee, the provision would also require that decisions by an agency head to commit, obligate, or expend funds to a specific entity on the basis of such funding tables be based on authorized, transparent, statutory criteria, or merit-based selection procedures in accordance with the requirements of sections 2304(k) and 2374 of title 10, United States Code, and other applicable provisions of law.

The Senate amendment contained a similar provision (sec. 4001).

The House recesses.

## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
<b>DISCRETIONARY AUTHORIZATIONS WITHIN THE JURISDICTION OF THE ARMED SERVICES COMMITTEE</b>			
<b>National Defense Funding, Base Budget Request</b>			
<b>Function 051, Department of Defense-Military</b>			
<b>Division A: Department of Defense Authorizations</b>			
<b>Title I—Procurement</b>			
Aircraft Procurement, Army .....	3,782,558	337,000	4,119,558
Missile Procurement, Army .....	3,355,777	-128,100	3,227,677
Weapons & Tracked Combat Vehicles, Army .....	4,489,118	-17,848	4,471,270
Procurement of Ammunition, Army .....	2,234,761	25,000	2,259,761
Other Procurement, Army .....	7,999,529	-329,665	7,669,864
Aircraft Procurement, Navy .....	19,041,799	-220,963	18,820,836
Weapons Procurement, Navy .....	3,702,393	73,836	3,776,229
Procurement of Ammunition, Navy & Marine Corps .....	1,006,209	-7,750	998,459
Shipbuilding & Conversion, Navy .....	21,871,437	2,180,261	24,051,698
Other Procurement, Navy .....	9,414,355	-101,292	9,313,063
Procurement, Marine Corps .....	2,860,410	-73,181	2,787,229
Aircraft Procurement, Air Force .....	16,206,937	310,857	16,517,794
Missile Procurement, Air Force .....	2,669,454	-21,520	2,647,934
Space Procurement, Air Force .....	2,527,542		2,527,542
Procurement of Ammunition, Air Force .....	1,587,304		1,587,304
Other Procurement, Air Force .....	20,890,164	-149,336	20,740,828
Procurement, Defense-Wide .....	6,786,271	-24,940	6,761,331
Joint Urgent Operational Needs Fund .....	100,025	-100,025	0
<b>Subtotal, Title I—Procurement .....</b>	<b>130,526,043</b>	<b>1,752,334</b>	<b>132,278,377</b>
<b>Title II—Research, Development, Test and Evaluation</b>			
Research, Development, Test & Evaluation, Army .....	10,159,379	-197,829	9,961,550
Research, Development, Test & Evaluation, Navy .....	18,481,666	-97,133	18,384,533
Research, Development, Test & Evaluation, Air Force .....	40,178,343	499,594	40,677,937
Research, Development, Test & Evaluation, Defense- Wide .....	22,016,553	454,921	22,471,474
Operational Test & Evaluation, Defense .....	221,009	10,900	231,909
<b>Subtotal, Title II—Research, Development, Test and Evaluation .....</b>	<b>91,056,950</b>	<b>670,453</b>	<b>91,727,403</b>
<b>Title III—Operation and Maintenance</b>			
Operation & Maintenance, Army .....	42,009,317	-931,223	41,078,094
Operation & Maintenance, Army Reserve .....	2,916,909	14,000	2,930,909
Operation & Maintenance, Army National Guard .....	7,399,295	35,000	7,434,295
Operation & Maintenance, Navy .....	49,003,633	10,611	49,014,244
Operation & Maintenance, Marine Corps .....	6,832,510	35,205	6,867,715
Operation & Maintenance, Navy Reserve .....	1,027,006	7,960	1,034,966
Operation & Maintenance, Marine Corps Reserve .....	271,570	10,000	281,570
Operation & Maintenance, Air Force .....	42,060,568	38,031	42,098,599
Operation & Maintenance, Air Force Reserve .....	3,260,234	57,700	3,317,934
Operation & Maintenance, Air National Guard .....	6,427,622	-3,500	6,424,122

## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Operation & Maintenance, Defense-Wide .....	36,352,625	-292,752	36,059,873
US Court of Appeals for the Armed Forces, Defense ...	14,662		14,662
DoD Acquisition Workforce Development Fund .....	400,000		400,000
Overseas Humanitarian, Disaster and Civic Aid .....	107,663		107,663
Cooperative Threat Reduction .....	335,240		335,240
Environmental Restoration, Army .....	203,449	10,000	213,449
Environmental Restoration, Navy .....	329,253	10,000	339,253
Environmental Restoration, Air Force .....	296,808	39,000	335,808
Environmental Restoration, Defense .....	8,926		8,926
Environmental Restoration, Formerly Used Sites .....	212,346		212,346
<b>Subtotal, Title III—Operation and Maintenance .....</b>	<b>199,469,636</b>	<b>-959,968</b>	<b>198,509,668</b>
<b>Title IV—Military Personnel</b>			
Military Personnel Appropriations .....	140,689,301	-1,165,280	139,524,021
Medicare-Eligible Retiree Health Fund Contributions ...	7,533,090		7,533,090
<b>Subtotal, Title IV—Military Personnel .....</b>	<b>148,222,391</b>	<b>-1,165,280</b>	<b>147,057,111</b>
<b>Title XIV—Other Authorizations</b>			
Working Capital Fund, Army .....	158,765		158,765
Working Capital Fund, Air Force .....	69,054		69,054
Working Capital Fund, DECA .....	48,096		48,096
Working Capital Fund, Defense-Wide .....	1,266,200		1,266,200
National Defense Sealift Fund .....	0		0
Chemical Agents & Munitions Destruction .....	993,816		993,816
Drug Interdiction and Counter Drug Activities .....	787,525	20,000	807,525
Office of the Inspector General .....	329,273		329,273
Defense Health Program .....	33,729,192	-393,000	33,336,192
<b>Subtotal, Title XIV—Other Authorizations .....</b>	<b>37,381,921</b>	<b>-373,000</b>	<b>37,008,921</b>
<b>Total, Division A: Department of Defense Authoriza-</b>			
<b>tions .....</b>	<b>606,656,941</b>	<b>-75,461</b>	<b>606,581,480</b>
<b>Division B: Military Construction Authorizations</b>			
<b>Military Construction</b>			
Army .....	1,011,768	159,100	1,170,868
Navy .....	2,543,189	-130,330	2,412,859
Air Force .....	1,725,707	-116,934	1,608,773
Defense-Wide .....	2,693,324	-186,596	2,506,728
NATO Security Investment Program .....	171,064		171,064
Army National Guard .....	180,122	22,000	202,122
Army Reserve .....	64,919	23,000	87,919
Navy and Marine Corps Reserve .....	43,065		43,065
Air National Guard .....	129,126	62,000	191,126
Air Force Reserve .....	50,163	72,700	122,863
Unaccompanied Housing Improvement Fund .....	600		600
<b>Subtotal, Military Construction .....</b>	<b>8,613,047</b>	<b>-95,060</b>	<b>8,517,987</b>
<b>Family Housing</b>			
Construction, Army .....	330,660		330,660

## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Operation & Maintenance, Army .....	376,509		376,509
Construction, Navy and Marine Corps .....	104,581		104,581
Operation & Maintenance, Navy and Marine Corps .....	314,536		314,536
Construction, Air Force .....	78,446		78,446
Operation & Maintenance, Air Force .....	317,274		317,274
Operation & Maintenance, Defense-Wide .....	58,373		58,373
Improvement Fund .....	1,653		1,653
<b>Subtotal, Family Housing .....</b>	<b>1,582,032</b>	<b>0</b>	<b>1,582,032</b>
<b>Base Realignment and Closure</b>			
Base Realignment and Closure—Army .....	62,796	18,110	80,906
Base Realignment and Closure—Navy .....	151,839	19,110	170,949
Base Realignment and Closure—Air Force .....	52,903	18,110	71,013
<b>Subtotal, Base Realignment and Closure .....</b>	<b>267,538</b>	<b>55,330</b>	<b>322,868</b>
Prior Year Savings .....	0	-83,296	-83,296
<b>Total, Division B: Military Construction Authoriza- tions .....</b>	<b>10,462,617</b>	<b>-123,026</b>	<b>10,339,591</b>
<b>Total, 051, Department of Defense-Military .....</b>	<b>617,119,558</b>	<b>-198,487</b>	<b>616,921,071</b>
<b>Division C: Department of Energy National Security Authorization and Other Authorizations</b>			
<b>Function 053, Atomic Energy Defense Activities</b>			
<b>Environmental and Other Defense Activities</b>			
Nuclear Energy .....	136,090		136,090
Weapons Activities .....	11,017,078	175,586	11,192,664
Defense Nuclear Nonproliferation .....	1,862,825	-15,396	1,847,429
Naval Reactors .....	1,788,618		1,788,618
Federal Salaries and Expenses .....	422,529	-18,000	404,529
Defense Environmental Cleanup .....	5,630,217	-3,581	5,626,636
Other Defense Activities .....	853,300		853,300
Defense Nuclear Waste Disposal .....	30,000	-30,000	0
<b>Subtotal, Environmental and Other Defense Activi- ties .....</b>	<b>21,740,657</b>	<b>108,609</b>	<b>21,849,266</b>
<b>Independent Federal Agency Authorization</b>			
Defense Nuclear Facilities Safety Board .....	31,243		31,243
<b>Subtotal, Independent Federal Agency Authorization</b>	<b>31,243</b>	<b>0</b>	<b>31,243</b>
<b>Subtotal, 053, Atomic Energy Defense Activities .....</b>	<b>21,771,900</b>	<b>108,609</b>	<b>21,880,509</b>
<b>Function 054, Defense-Related Activities</b>			
<b>Other Agency Authorizations</b>			
Maritime Security Program .....	214,000	86,000	300,000
<b>Subtotal, Independent Federal Agency Authorization</b>	<b>214,000</b>	<b>86,000</b>	<b>300,000</b>

## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
<b>Subtotal, 054, Defense-Related Activities .....</b>	<b>214,000</b>	<b>86,000</b>	<b>300,000</b>
<b>Subtotal, Division C: Department of Energy National Security Authorization and Other Authorizations ..</b>	<b>21,985,900</b>	<b>194,609</b>	<b>22,180,509</b>
<b>Total, National Defense Funding, Base Budget Re- quest .....</b>	<b>639,105,458</b>	<b>-3,878</b>	<b>639,101,580</b>

## National Defense Funding, Overseas Contingency Operations

## Function 051, Department of Defense-Military

**Procurement**

Aircraft Procurement, Army .....	363,363		363,363
Missile Procurement, Army .....	1,802,351		1,802,351
Weapons & Tracked Combat Vehicles, Army .....	1,107,183		1,107,183
Procurement of Ammunition, Army .....	309,525		309,525
Other Procurement, Army .....	1,382,047		1,382,047
Aircraft Procurement, Navy .....	80,119		80,119
Weapons Procurement, Navy .....	14,134		14,134
Procurement of Ammunition, Navy & Marine Corps .....	246,541	-2,000	244,541
Other Procurement, Navy .....	187,173	-3,000	184,173
Procurement, Marine Corps .....	58,023		58,023
Aircraft Procurement, Air Force .....	1,018,888	-74,040	944,848
Missile Procurement, Air Force .....	493,526		493,526
Procurement of Ammunition, Air Force .....	1,421,516		1,421,516
Other Procurement, Air Force .....	3,725,944	-20,900	3,705,044
Procurement, Defense-Wide .....	572,135		572,135
National Guard & Reserve Equipment .....	0	225,000	225,000
<b>Subtotal, Procurement .....</b>	<b>12,782,468</b>	<b>125,060</b>	<b>12,907,528</b>

**Research, Development, Test and Evaluation**

Research, Development, Test & Evaluation, Army .....	325,104		325,104
Research, Development, Test & Evaluation, Navy .....	167,812		167,812
Research, Development, Test & Evaluation, Air Force .....	314,271		314,271
Research, Development, Test & Evaluation, Defense- Wide .....	500,544	-84,161	416,383
<b>Subtotal, Research, Development, Test and Evalua- tion .....</b>	<b>1,307,731</b>	<b>-84,161</b>	<b>1,223,570</b>

**Operation and Maintenance**

Operation & Maintenance, Army .....	18,210,500	456,700	18,667,200
Operation & Maintenance, Army Reserve .....	41,887		41,887
Operation & Maintenance, Army National Guard .....	110,729		110,729
Afghanistan Security Forces Fund .....	5,199,450		5,199,450
Counter-ISIS Train & Equip Fund .....	1,400,000		1,400,000
Operation & Maintenance, Navy .....	4,757,155		4,757,155
Operation & Maintenance, Marine Corps .....	1,121,900		1,121,900
Operation & Maintenance, Navy Reserve .....	25,637		25,637
Operation & Maintenance, Marine Corps Reserve .....	3,345		3,345

## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Operation & Maintenance, Air Force .....	9,285,789		9,285,789
Operation & Maintenance, Air Force Reserve .....	60,500		60,500
Operation & Maintenance, Air National Guard .....	15,870		15,870
Operation & Maintenance, Defense-Wide .....	8,549,908	-750,000	7,799,908
Ukraine Security Assistance .....	0	250,000	250,000
<b>Subtotal, Operation and Maintenance .....</b>	<b>48,782,670</b>	<b>-43,300</b>	<b>48,739,370</b>
<b>Military Personnel</b>			
Military Personnel Appropriations .....	4,660,661		4,660,661
<b>Subtotal, Military Personnel .....</b>	<b>4,660,661</b>	<b>0</b>	<b>4,660,661</b>
<b>Other Authorizations</b>			
Working Capital Fund, Army .....	6,600		6,600
Working Capital Fund, Air Force .....	8,590		8,590
Drug Interdiction and Counter Drug Activities .....	153,100		153,100
Office of the Inspector General .....	24,692		24,692
Defense Health Program .....	352,068		352,068
<b>Subtotal, Other Authorizations .....</b>	<b>545,050</b>	<b>0</b>	<b>545,050</b>
<b>Military Construction</b>			
Army .....	261,250	-69,000	192,250
Navy .....	227,320		227,320
Air Force .....	345,800	69,000	414,800
Defense-Wide .....	87,050		87,050
<b>Subtotal, Military Construction .....</b>	<b>921,420</b>	<b>0</b>	<b>921,420</b>
<b>Total, National Defense Funding, Overseas Contingency Operations .....</b>	<b>69,000,000</b>	<b>-2,401</b>	<b>68,997,599</b>
<b>Total, National Defense .....</b>	<b>708,105,458</b>	<b>-6,279</b>	<b>708,099,179</b>
<b>MEMORANDUM: NON-DEFENSE AUTHORIZATIONS</b>			
Title XIV—Armed Forces Retirement Home (Function 600) .....	64,300		64,300
Title XVII—Review of Foreign Investment and Export Controls (Function 800) .....		20,000	20,000
Title XXXIV—Naval Petroleum and Oil Shale Reserves (Function 270) .....	10,000		10,000
<b>MEMORANDUM: TRANSFER AUTHORITIES (NON-ADD)</b>			
Title X—General Transfer Authority .....	[5,000,000]	[-500,000]	[4,500,000]
Title XV—Special Transfer Authority .....	[4,500,000]	[-1,000,000]	[3,500,000]
<b>MEMORANDUM: DEFENSE AUTHORIZATIONS NOT UNDER THE JURISDICTION OF THE ARMED SERVICES COMMITTEE (NON-ADD)</b>			
Defense Production Act .....	[38,578]		[38,578]

## NATIONAL DEFENSE BUDGET AUTHORITY IMPLICATION

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
<b>Summary, Discretionary Authorizations Within the Jurisdiction of the Armed Services Committee</b>			
<b>SUBTOTAL, DEPARTMENT OF DEFENSE (051)</b> .....	<b>617,119,558</b>	<b>-198,487</b>	<b>616,921,071</b>
<b>SUBTOTAL, ATOMIC ENERGY DEFENSE PROGRAMS (053)</b> .....	<b>21,771,900</b>	<b>108,609</b>	<b>21,880,509</b>
<b>SUBTOTAL, DEFENSE-RELATED ACTIVITIES (054)</b> .....	<b>214,000</b>	<b>86,000</b>	<b>300,000</b>
<b>TOTAL, NATIONAL DEFENSE (050)—BASE BILL</b> .....	<b>639,105,458</b>	<b>-3,878</b>	<b>639,101,580</b>
<b>TOTAL, OVERSEAS CONTINGENCY OPERATIONS</b> .....	<b>69,000,000</b>	<b>-2,401</b>	<b>68,997,599</b>
<b>GRAND TOTAL, NATIONAL DEFENSE</b> .....	<b>708,105,458</b>	<b>-6,279</b>	<b>708,099,179</b>
<b>Scoring adjustments to account for transfers out already credited to 050 by OMB</b>			
Transfers to non-Defense budget functions .....	-128,000		-128,000
<b>Subtotal, Budget Sub-Function 051</b> .....	<b>-128,000</b>		<b>-128,000</b>
<b>Base National Defense Discretionary Programs that are Not In the Jurisdiction of the Armed Services Committee or Do Not Require Additional Authorization (CBO Estimates)</b>			
Defense Production Act Purchases .....	39,000		39,000
Indefinite Account: Disposal Of DOD Real Property .....	8,000		8,000
Indefinite Account: Lease Of DOD Real Property .....	36,000		36,000
<b>Subtotal, Budget Sub-Function 051</b> .....	<b>83,000</b>		<b>83,000</b>
Formerly Utilized Sites Remedial Action Program .....	120,000		120,000
<b>Subtotal, Budget Sub-Function 053</b> .....	<b>120,000</b>		<b>120,000</b>
Other Discretionary Programs .....	7,819,542		7,819,542
<b>Subtotal, Budget Sub-Function 054</b> .....	<b>7,819,542</b>		<b>7,819,542</b>
<b>Total Defense Discretionary Adjustments (050)</b> .....	<b>8,022,542</b>		<b>8,022,542</b>
<b>Budget Authority Implication, National Defense Discretionary</b>			
Department of Defense--Military (051) .....	686,074,558	-200,888	685,873,670
Atomic Energy Defense Activities (053) .....	21,891,900	108,609	22,000,509
Defense-Related Activities (054) .....	8,033,542	86,000	8,119,542
<b>Total BA Implication, National Defense Discretionary</b> .....	<b>716,000,000</b>	<b>-6,279</b>	<b>715,993,721</b>
<b>National Defense Mandatory Programs, Current Law (CBO Baseline)</b>			
Concurrent receipt accrual payments to the Military Retirement Fund .....	7,720,000		7,720,000
Revolving, trust and other DOD Mandatory .....	1,794,000		1,794,000
Offsetting receipts .....	-1,855,000		-1,855,000
<b>Subtotal, Budget Sub-Function 051</b> .....	<b>7,659,000</b>		<b>7,659,000</b>
Energy employees occupational illness compensation programs and other .....	1,277,000		1,277,000
<b>Subtotal, Budget Sub-Function 053</b> .....	<b>1,277,000</b>		<b>1,277,000</b>
Radiation exposure compensation trust fund .....	50,000		50,000
Payment to CIA retirement fund and other .....	514,000		514,000
<b>Subtotal, Budget Sub-Function 054</b> .....	<b>564,000</b>		<b>564,000</b>
<b>Total National Defense Mandatory (050)</b> .....	<b>9,500,000</b>		<b>9,500,000</b>
<b>Budget Authority Implication, National Defense Discretionary and Mandatory</b>			
Department of Defense--Military (051) .....	693,733,558	-200,888	693,532,670
Atomic Energy Defense Activities (053) .....	23,168,900	108,609	23,277,509

**NATIONAL DEFENSE BUDGET AUTHORITY IMPLICATION—Continued**

(In Thousands of Dollars)

	<b>FY 2019 Request</b>	<b>Conference Change</b>	<b>Conference Authorized</b>
Defense-Related Activities (054) .....	8,597,542	86,000	8,683,542
<b>Total BA Implication, National Defense Discretionary and Mandatory .....</b>	<b>725,500,000</b>	<b>-6,279</b>	<b>725,493,721</b>

# TITLE XLI—PROCUREMENT

## SEC. 4101. PROCUREMENT.

SEC. 4101. PROCUREMENT (In Thousands of Dollars)											
Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>AIRCRAFT PROCUREMENT, ARMY</b>											
<b>FIXED WING</b>											
002	UTILITY F/W AIRCRAFT .....		744		744		744				744
003	MQ-1 UAV .....		43,326		103,326		43,326		60,000		103,326
	MQ-1 Gray Eagle Service Life Extension Program .....				[60,000]				[60,000]		
004	RQ-11 (RAVEN) .....		46,416		46,416		46,416				46,416
<b>ROTARY</b>											
007	AH-64 APACHE BLOCK IIIA REMAN .....	48	753,248	48	753,248	48	753,248			48	753,248
008	ADVANCE PROCUREMENT (CY) .....		174,550		174,550		174,550				174,550
009	AH-64 APACHE BLOCK IIIB NEW BUILD .....	12	284,687	12	284,687	12	284,687	6	168,000	18	452,687
	Additional AH-64Es to address ARNG shortfalls .....			[6]	[192,000]			[6]	[168,000]		
	Realignment to cover ARNG shortfalls .....			[-6]	[-192,000]						
010	ADVANCE PROCUREMENT (CY) .....		58,600		58,600		58,600				58,600
011	UH-60 BLACKHAWK M MODEL (MYP) .....	49	988,810	54	1,073,810	49	988,810	5	85,000	54	1,073,810
	Additional UH-60Ms for ARNG .....			[5]	[85,000]			[5]	[85,000]		
012	ADVANCE PROCUREMENT (CY) .....		106,150		106,150		106,150				106,150
013	UH-60 BLACK HAWK A AND L MODELS .....	18	146,138	18	146,138	18	146,138			18	146,138
014	CH-47 HELICOPTER .....	6	99,278	6	99,278	6	99,278			6	99,278
015	ADVANCE PROCUREMENT (CY) .....		24,235		24,235		24,235				24,235
<b>MODIFICATION OF AIRCRAFT</b>											
018	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS) .....		27,114		27,114		27,114				27,114
019	GRAY EAGLE MODS2 .....		97,781		97,781		97,781				97,781
020	MULTI SENSOR ABN RECON (MIP) .....		52,274		66,274		52,274		14,000		66,274
	Army UFR: program increase .....				[14,000]				[14,000]		
021	AH-64 MODS .....		104,996		104,996		104,996				104,996
022	CH-47 CARGO HELICOPTER MODS (MYP) .....		7,807		7,807		7,807				7,807

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
023	GRCS SEMA MODS (MIP) .....		5,573		5,573		5,573				5,573
024	ARL SEMA MODS (MIP) .....		7,522		7,522		7,522				7,522
025	EMARSS SEMA MODS (MIP) .....		20,448		20,448		20,448				20,448
026	UTILITY/CARGO AIRPLANE MODS .....		17,719		17,719		17,719				17,719
027	UTILITY HELICOPTER MODS .....		6,443		16,443		6,443		10,000		16,443
	UH-72A Life-Cycle Sustainability .....				(10,000)				(10,000)		
028	NETWORK AND MISSION PLAN .....		123,614		123,614		123,614				123,614
029	COMMS, NAV SURVEILLANCE .....		161,969		161,969		161,969				161,969
030	DEGRADED VISUAL ENVIRONMENT .....		30,000		30,000		30,000				30,000
031	GATM ROLLUP .....		26,848		26,848		26,848				26,848
032	RQ-7 UAV MODS .....		103,246		154,114		103,246				103,246
	Realignment of EDI APS Unit Set from OCO to Base .....				(50,868)						
033	UAS MODS .....		17,644		21,046		17,644				17,644
	Realignment of EDI APS Unit Set from OCO to Base .....				(3,402)						
	<b>GROUND SUPPORT AVIONICS</b>										
034	AIRCRAFT SURVIVABILITY EQUIPMENT .....		57,170		57,170		57,170				57,170
035	SURVIVABILITY CM .....		5,853		5,853		5,853				5,853
036	CMWS .....		13,496		13,496		13,496				13,496
037	COMMON INFRARED COUNTERMEASURES (CIRCM) .....		36,839		36,839		36,839				36,839
	<b>OTHER SUPPORT</b>										
038	AVIONICS SUPPORT EQUIPMENT .....		1,778		1,778		1,778				1,778
039	COMMON GROUND EQUIPMENT .....		34,818		34,818		34,818				34,818
040	AIRCREW INTEGRATED SYSTEMS .....		27,243		27,243		27,243				27,243
041	AIR TRAFFIC CONTROL .....		63,872		63,872		63,872				63,872
042	INDUSTRIAL FACILITIES .....		1,417		1,417		1,417				1,417
043	LAUNCHER, 2.75 ROCKET .....		1,901		1,901		1,901				1,901
044	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2 .....		991		991		991				991
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY .....</b>	<b>133</b>	<b>3,782,558</b>	<b>138</b>	<b>4,005,828</b>	<b>133</b>	<b>3,782,558</b>	<b>11</b>	<b>337,000</b>	<b>144</b>	<b>4,119,558</b>
	<b>MISSILE PROCUREMENT, ARMY</b>										
	<b>SURFACE-TO-AIR MISSILE SYSTEM</b>										
001	LOWER TIER AIR AND MISSILE DEFENSE (AMD) .....		111,395		111,395		111,395				111,395
002	MSE MISSILE .....	179	871,276	179	1,131,276	179	871,276			179	871,276

					[260,000]					
003	Realignment of EDI APS Unit Set from OCO to Base .....				145,636					232,636
	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I .....	145,636			145,636		645,636	87,000		
	Interim cruise missile defense .....						[500,000]	[87,000]		
004	ADVANCE PROCUREMENT (CY) .....	31,286			31,286		31,286	-3,700		27,586
	Ahead of need .....							[-3,700]		
	<b>AIR-TO-SURFACE MISSILE SYSTEM</b>									
006	JOINT AIR-TO-GROUND MSLs (JAGM) .....	1,046	276,462	1,046	248,862	1,046	276,462	-27,600	1,046	248,862
	Unit cost and engineering services cost growth .....							[-27,600]		
	<b>ANTI-TANK/ASSAULT MISSILE SYS</b>									
008	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	709	303,665	709	267,465	709	303,665	-84,000	709	219,665
	Forward financed in the FY18 Omnibus for command launch units.							[-84,000]		
	Realignment of EDI APS Unit Set from OCO to Base .....									
009	TOW 2 SYSTEM SUMMARY .....	1,472	105,014	1,472	105,014	1,472	105,014		1,472	105,014
010	ADVANCE PROCUREMENT (CY) .....		19,949		19,949		19,949			19,949
011	GUIDED MLRS ROCKET (GMLRS) .....	3,267	359,613	3,267	329,613	3,267	359,613	-30,000	3,267	329,613
	Forward financed in the FY18 Omnibus .....							[-30,000]		
012	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR) .....	2,214	20,964	2,214	20,964	2,214	20,964		2,214	20,964
013	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS) .....				171,138					
	Realignment of EDI APS Unit Set from OCO to Base .....									
	<b>MODIFICATIONS</b>									
015	PATRIOT MODS .....	313,228			333,228		313,228	10,000		323,228
	Increase PATRIOT Mod efforts .....							[10,000]		
016	ATACMS MODS .....	221,656			236,656	-82	141,656	-79,800		141,856
	Realignment of EDI APS Unit Set from OCO to Base .....									
	Requested quantity exceeds maximum .....									
017	GMLRS MOD .....	266			266		266			266
018	STINGER MODS .....	94,756			94,756		94,756			94,756
019	AVENGER MODS .....	48,670			48,670		48,670			48,670
020	ITAS/TOW MODS .....	3,173			3,173		3,173			3,173
021	MLRS MODS .....	383,216			505,216		383,216			383,216
	Realignment of EDI APS Unit Set from OCO to Base .....									
022	HIMARS MODIFICATIONS .....	10,196			10,196		10,196			10,196
	<b>SPARES AND REPAIR PARTS</b>									
023	SPARES AND REPAIR PARTS .....	27,737			27,737		27,737			27,737
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>									
024	AIR DEFENSE TARGETS .....	6,417			6,417		6,417			6,417
025	PRODUCTION BASE SUPPORT .....	1,202			1,202		1,202			1,202
	<b>TOTAL MISSILE PROCUREMENT, ARMY</b> .....	<b>8,887</b>	<b>3,355,777</b>	<b>8,887</b>	<b>3,850,115</b>	<b>8,805</b>	<b>3,775,777</b>	<b>-128,100</b>	<b>8,887</b>	<b>3,227,677</b>

SEC. 4101. PROCUREMENT  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>PROCUREMENT OF W&amp;TCV, ARMY</b>											
<b>TRACKED COMBAT VEHICLES</b>											
001	BRADLEY PROGRAM .....				205,000						
	Realignment of EDI APS Unit Set from OCO to Base .....				[205,000]						
002	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	131	479,801	131	710,160	131	379,801		-31,148	131	448,653
	Program decrease .....						[-100,000]		[-31,148]		
	Realignment of EDI APS Unit Set from OCO to Base .....				[230,359]						
<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>											
004	STRYKER (MOD) .....		287,490		138,190		138,100		-149,300		138,190
	Army requested realignment to WTCV-5 .....				[-149,300]		[-149,390]		[-149,300]		
005	STRYKER UPGRADE .....	3	21,900		360,000	3	171,290	66	203,400	69	225,300
	A1 conversions for 5th SBCT .....			[61]	[188,800]			[17]	[54,100]		
	Army requested realignment—A1 conversions for 5th SBCT ..			[49]	[149,300]		[149,390]	[49]	[149,300]		
006	BRADLEY PROGRAM (MOD) .....		625,424		675,424		301,424		-160,000		465,424
	Program decrease .....						[-324,000]		[-160,000]		
	Realignment of EDI APS Unit Set from OCO to Base .....				[50,000]						
007	M109 FOV MODIFICATIONS .....		26,482		26,482		26,482				26,482
008	PALADIN INTEGRATED MANAGEMENT (PIM) .....	30	351,802	30	493,802	30	461,802	9	110,000	39	461,802
	Program increase .....				[75,000]		[110,000]	[9]	[110,000]		
	Realignment of EDI APS Unit Set from OCO to Base .....				[67,000]						
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	26	110,500	26	152,854	26	110,500			26	110,500
	Realignment of EDI APS Unit Set from OCO to Base .....				[42,354]						
010	ASSAULT BRIDGE (MOD) .....		2,120		2,120		2,120				2,120
011	ASSAULT BREACHER VEHICLE .....	12	62,407	12	62,407	12	62,407			12	62,407
012	M88 FOV MODS .....		4,517		4,517		4,517				4,517
013	JOINT ASSAULT BRIDGE .....	30	142,255	30	142,255	30	142,255			30	142,255
014	M1 ABRAMS TANK (MOD) .....		927,600		961,600		927,600				927,600
	Realignment of EDI APS Unit Set from OCO to Base .....				[34,000]						
015	ABRAMS UPGRADE PROGRAM .....	95	1,075,999	95	1,530,999	95	1,075,999			95	1,075,999
	Realignment of EDI APS Unit Set from OCO to Base .....				[455,000]						
<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>											
018	M240 MEDIUM MACHINE GUN (7.62MM) .....		1,955		7,081		1,955		5,000		6,955
	Program Increase—M240L and M240B .....				[5,000]				[5,000]		

	Realignment of EDI APS Unit Set from OCO to Base .....			[126]							
019	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S .....	23,345		23,345		23,345			23,345		
020	GUN AUTOMATIC 30MM M230 .....	7,434		7,434		7,434			7,434		
021	MACHINE GUN, CAL .50 M2 ROLL .....	22,330		22,330		22,330			22,330		
022	MORTAR SYSTEMS .....	12,470		12,650		12,470			12,470		
	Realignment of EDI APS Unit Set from OCO to Base .....			[180]							
023	XM320 GRENADE LAUNCHER MODULE (GLM) .....	697		697		697			697		
024	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM .....	46,236		46,236		46,236			46,236		
025	CARBINE .....	69,306		71,106		69,306			69,306		
	Realignment of EDI APS Unit Set from OCO to Base .....			[1,800]							
026	SMALL ARMS—FIRE CONTROL .....	7,929		7,929		7,929			7,929		
027	COMMON REMOTELY OPERATED WEAPONS STATION .....	35,968		39,346		35,968			35,968		
	Realignment of EDI APS Unit Set from OCO to Base .....			[3,378]							
028	HANDGUN .....	48,251		48,251		48,251			48,251		
	<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>										
029	MK-19 GRENADE MACHINE GUN MODS .....	1,684		1,684		1,684			1,684		
030	M777 MODS .....	3,086		3,086		3,086			3,086		
031	M4 CARBINE MODS .....	31,575		35,775		31,575	4,200		35,775		
	Additional free-float forward extended rails .....			[4,200]			[4,200]				
032	M2 50 CAL MACHINE GUN MODS .....	21,600		26,520		21,600			21,600		
	Realignment of EDI APS Unit Set from OCO to Base .....			[4,920]							
033	M249 SAW MACHINE GUN MODS .....	3,924		3,924		3,924			3,924		
034	M240 MEDIUM MACHINE GUN MODS .....	6,940		6,947		6,940			6,940		
	Realignment of EDI APS Unit Set from OCO to Base .....			[7]							
035	SNIPER RIFLES MODIFICATIONS .....	2,747		2,747		2,747			2,747		
036	M119 MODIFICATIONS .....	5,704		5,704		5,704			5,704		
037	MORTAR MODIFICATION .....	3,965		3,965		3,965			3,965		
038	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) .....	5,577		5,577		5,577			5,577		
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>										
039	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	3,174		4,571		3,174			3,174		
	Realignment of EDI APS Unit Set from OCO to Base .....			[1,397]							
040	PRODUCTION BASE SUPPORT (WOCV-WTCV) .....	3,284		3,284		3,284			3,284		
041	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) .....	1,640		1,640		1,640			1,640		
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b> .....	<b>327</b>	<b>4,489,118</b>	<b>437</b>	<b>5,857,639</b>	<b>327</b>	<b>4,175,118</b>	<b>75</b>	<b>-17,848</b>	<b>402</b>	<b>4,471,270</b>
	<b>PROCUREMENT OF AMMUNITION, ARMY</b>										
	<b>SMALL/MEDIUM CAL AMMUNITION</b>										
001	CTG, 5.56MM, ALL TYPES .....	41,848		45,240		35,148			41,848		
	FY2018 Omnibus forward finance .....					[-6,700]					
	Realignment of EDI APS Unit Set from OCO to Base .....			[3,392]							

SEC. 4101. PROCUREMENT  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
002	CTG, 7.62MM, ALL TYPES .....		86,199		86,239		86,199				86,199
	Realignment of EDI APS Unit Set from OCO to Base .....				[40]						
003	CTG, HANDGUN, ALL TYPES .....		20,158		20,175		20,158				20,158
	Realignment of EDI APS Unit Set from OCO to Base .....				[17]						
004	CTG, .50 CAL, ALL TYPES .....		65,573		65,762		65,573				65,573
	Realignment of EDI APS Unit Set from OCO to Base .....				[189]						
005	CTG, 20MM, ALL TYPES .....		8,198		8,198		8,198				8,198
007	CTG, 30MM, ALL TYPES .....		77,995		102,995		77,995				77,995
	Realignment of EDI APS Unit Set from OCO to Base .....				[25,000]						
008	CTG, 40MM, ALL TYPES .....		69,781		69,781		69,781				69,781
	<b>MORTAR AMMUNITION</b>										
009	60MM MORTAR, ALL TYPES .....		45,280		45,498		45,280				45,280
	Realignment of EDI APS Unit Set from OCO to Base .....				[218]						
010	81MM MORTAR, ALL TYPES .....		46,853		47,337		46,853				46,853
	Realignment of EDI APS Unit Set from OCO to Base .....				[484]						
011	120MM MORTAR, ALL TYPES .....		83,003		83,003		83,003				83,003
	<b>TANK AMMUNITION</b>										
012	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES .....		168,101		168,101		168,101				168,101
	<b>ARTILLERY AMMUNITION</b>										
013	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES .....		39,341		39,341		39,341				39,341
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....		211,442		290,842		211,442				211,442
	Realignment of EDI APS Unit Set from OCO to Base .....				[79,400]						
015	PROJ 155MM EXTENDED RANGE M982 .....	1,189	100,906	1,189	152,606	1,189	100,906			1,189	100,906
	Realignment of EDI APS Unit Set from OCO to Base .....				[51,700]						
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL .....		236,677		268,577		136,677		-30,000		206,677
	Program decrease .....				[-17,000]		[-100,000]		[-30,000]		
	Realignment of EDI APS Unit Set from OCO to Base .....				[48,900]						
	<b>MINES</b>										
017	MINES & CLEARING CHARGES, ALL TYPES .....		15,905		15,905		15,905				15,905
	<b>ROCKETS</b>										
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....		4,503	1,572	31,745		4,503	1,572	25,000	1,572	29,503
	Army UFR: bunker defeat munitions .....			[1,572]	[25,000]			[1,572]	[25,000]		
	Realignment of EDI APS Unit Set from OCO to Base .....				[2,242]						

019	ROCKET, HYDRA 70, ALL TYPES .....	211,211	20,000	241,211	211,211	20,000	30,000	20,000	241,211		
	Army UFR: additional HYDRA rockets .....		[20,000]	[30,000]		[20,000]	[30,000]				
	<b>OTHER AMMUNITION</b>										
020	CAD/PAD, ALL TYPES .....	10,428		10,428	10,428				10,428		
021	DEMOLITION MUNITIONS, ALL TYPES .....	44,656		44,661	44,656				44,656		
	Realignment of EDI APS Unit Set from OCO to Base .....			[5]							
022	GRENADES, ALL TYPES .....	19,896		19,904	19,896				19,896		
	Realignment of EDI APS Unit Set from OCO to Base .....			[8]							
023	SIGNALS, ALL TYPES .....	10,121		10,121	10,121				10,121		
024	SIMULATORS, ALL TYPES .....	11,464		11,464	11,464				11,464		
	<b>MISCELLANEOUS</b>										
025	AMMO COMPONENTS, ALL TYPES .....	5,224		5,224	5,224				5,224		
026	NON-LETHAL AMMUNITION, ALL TYPES .....	4,310		4,310	4,310				4,310		
027	ITEMS LESS THAN \$5 MILLION (AMMO) .....	11,193		11,259	11,193				11,193		
	Realignment of EDI APS Unit Set from OCO to Base .....			[66]							
028	AMMUNITION PECULIAR EQUIPMENT .....	10,500		10,500	10,500				10,500		
029	FIRST DESTINATION TRANSPORTATION (AMMO) .....	18,456		18,456	18,456				18,456		
030	CLOSEOUT LIABILITIES .....	100		100	100				100		
	<b>PRODUCTION BASE SUPPORT</b>										
032	INDUSTRIAL FACILITIES .....	394,133		394,133	394,133				394,133		
033	CONVENTIONAL MUNITIONS DEMILITARIZATION .....	157,535		157,535	157,535				157,535		
034	ARMS INITIATIVE .....	3,771		3,771	3,771				3,771		
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY .....</b>	<b>1,189</b>	<b>2,234,761</b>	<b>22,761</b>	<b>2,484,422</b>	<b>1,189</b>	<b>2,128,061</b>	<b>21,572</b>	<b>25,000</b>	<b>22,761</b>	<b>2,259,761</b>
	<b>OTHER PROCUREMENT, ARMY</b>										
	<b>TACTICAL VEHICLES</b>										
001	TACTICAL TRAILERS/DOLLY SETS .....	16,512		16,512	16,512				16,512		
002	SEMITRAILERS, FLATBED: .....	16,951		24,951	16,951				16,951		
	Realignment of EDI APS Unit Set from OCO to Base .....			[8,000]							
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4 .....	50,123		70,893	50,123				50,123		
	Realignment of EDI APS Unit Set from OCO to Base .....			[20,770]							
004	GROUND MOBILITY VEHICLES (GMV) .....	46,988		36,988	46,988			-4,293	42,695		
	Unobligated Balances .....			[-10,000]				[-4,293]			
005	ARNG HMMWV MODERNIZATION PROGRAM .....			25,000				25,000	25,000		
	Additional HMMWVs .....			[25,000]				[25,000]			
006	JOINT LIGHT TACTICAL VEHICLE .....	1,319,436		1,319,436	1,069,436			-32,036	1,287,400		
	Program reduction .....				[-250,000]			[-32,036]			
007	TRUCK, DUMP, 20T (CCE) .....	6,480		6,480	6,480				6,480		
008	FAMILY OF MEDIUM TACTICAL VEH (FMTV) .....	132,882		132,882	132,882				132,882		
009	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP .....	14,842		14,842	14,842				14,842		

SEC. 4101. PROCUREMENT  
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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....		138,105		253,505		138,105		-15,219		122,886
	CLS contract award delay .....								[-15,219]		
	Realignment of EDI APS Unit Set from OCO to Base .....				[115,400]						
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV .....		31,892		38,574		31,892		-1,514		30,378
	Realignment of EDI APS Unit Set from OCO to Base .....				[6,682]						
	Unit cost growth .....								[-1,514]		
013	TACTICAL WHEELED VEHICLE PROTECTION KITS .....		38,128		88,128		38,128				38,128
	Realignment of EDI APS Unit Set from OCO to Base .....				[50,000]						
014	MODIFICATION OF IN SVC EQUIP .....		78,507		78,884		78,507				78,507
	Realignment of EDI APS Unit Set from OCO to Base .....				[377]						
015	MINE-RESISTANT AMBUSH-PROTECTED (MRAP) MODS .....				27,000						
	SFAB emerging requirements .....				[27,000]						
	<b>NON-TACTICAL VEHICLES</b>										
016	HEAVY ARMORED VEHICLE .....		790		790		790				790
017	PASSENGER CARRYING VEHICLES .....		1,390		1,390		1,390				1,390
018	NONTACTICAL VEHICLES, OTHER .....		15,415		15,415		15,415				15,415
	<b>COMM—JOINT COMMUNICATIONS</b>										
020	SIGNAL MODERNIZATION PROGRAM .....		150,777		150,777		150,777		-60,850		89,927
	Requirement funded in fiscal year 2018 .....								[-41,000]		
	SBU VSAT and gateway unjustified request .....								[-19,850]		
021	TACTICAL NETWORK TECHNOLOGY MOD IN SVC .....		469,117		533,117		469,117		50,250		519,367
	Additional TCN-L, NOSC-L, and next generation embedded kits for IBCTs and SBCTs.				[64,000]				[56,000]		
	Program management excess growth .....								[-5,750]		
022	SITUATION INFORMATION TRANSPORT .....		62,727		62,727		62,727				62,727
023	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY .....		13,895		13,895		13,895				13,895
024	JCSE EQUIPMENT (USREDCOM) .....		4,866		4,866		4,866				4,866
	<b>COMM—SATELLITE COMMUNICATIONS</b>										
027	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS .....		108,133		108,133		108,133				108,133
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....		56,737		56,737		56,737				56,737
029	SHF TERM .....		13,100		13,100		13,100				13,100
030	SMART-T (SPACE) .....		9,160		9,160		9,160				9,160
031	GLOBAL BRDCST SVC—GBS .....		25,647		25,647		25,647				25,647

032	ENROUTE MISSION COMMAND (EMC) .....	37,401	37,401	37,401		37,401
	<b>COMM—C3 SYSTEM</b>					
036	COE TACTICAL SERVER INFRASTRUCTURE (TSI) .....	20,500	20,500	20,500		20,500
	<b>COMM—COMBAT COMMUNICATIONS</b>					
037	JOINT TACTICAL RADIO SYSTEM .....		1,560			
	Realignment of EDI APS Unit Set from OCO to Base .....		(1,560)			
038	HANDHELD MANPACK SMALL FORM FIT (HMS) .....	351,565	351,565	351,565	-51,591	299,974
	Requirement funded in fiscal year 2018 .....				(-51,591)	
040	RADIO TERMINAL SET, MIDS LVT(2) .....	4,641	4,641	4,641		4,641
041	TRACTOR DESK .....	2,187	2,187	2,187		2,187
042	TRACTOR RIDE .....	9,411	22,611	9,411		9,411
	Army UFR: program increase .....		(13,200)			
044	SPIDER FAMILY OF NETWORKED MUNITIONS INCR .....	17,515	17,515	17,515		17,515
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM .....	819	819	819		819
046	UNIFIED COMMAND SUITE .....	17,807	17,807	17,807		17,807
047	COTS COMMUNICATIONS EQUIPMENT .....	191,835	208,835	191,835	-128,000	63,835
	Program decrease .....		(-5,000)			
	Realignment of EDI APS Unit Set from OCO to Base .....		(22,000)			
	Requirement funded in fiscal year 2018 .....				(-128,000)	
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE .....	25,177	25,177	25,177		25,177
	<b>COMM—INTELLIGENCE COMM</b>					
050	CI AUTOMATION ARCHITECTURE (MIP) .....	9,740	9,740	9,740		9,740
051	DEFENSE MILITARY DECEPTION INITIATIVE .....	2,667	2,667	2,667		2,667
	<b>INFORMATION SECURITY</b>					
053	FAMILY OF BIOMETRICS .....	8,319	8,319	8,319		8,319
054	INFORMATION SYSTEM SECURITY PROGRAM-ISSP .....	2,000	2,000	2,000		2,000
055	COMMUNICATIONS SECURITY (COMSEC) .....	88,337	88,340	88,337		88,337
	Realignment of EDI APS Unit Set from OCO to Base .....		(3)			
056	DEFENSIVE CYBER OPERATIONS .....	51,343	51,343	51,343		51,343
057	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO .....	330	330	330		330
058	PERSISTENT CYBER TRAINING ENVIRONMENT .....	3,000	3,000	3,000		3,000
	<b>COMM—LONG HAUL COMMUNICATIONS</b>					
059	BASE SUPPORT COMMUNICATIONS .....	34,434	34,434	34,434		34,434
	<b>COMM—BASE COMMUNICATIONS</b>					
060	INFORMATION SYSTEMS .....	95,558	95,558	95,558	-13,949	81,609
	ARCYBER funded in excess to requirement .....				(-13,949)	
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM .....	4,736	4,736	4,736		4,736
062	HOME STATION MISSION COMMAND CENTERS (HSMCC) .....	24,479	24,479	24,479		24,479
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	216,433	225,483	216,433	-20,000	196,433
	Excess hardware growth .....				(-20,000)	

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Realignment of EDI APS Unit Set from OCO to Base .....				[9,050]						
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>										
066	JTT/CIBS-M (MIP) .....		10,268		10,268		10,268				10,268
068	DCGS-A (MIP) .....		261,863		261,863		261,863				261,863
069	JOINT TACTICAL GROUND STATION (JTGS) (MIP) .....		5,434		5,434		5,434				5,434
070	TROJAN (MIP) .....		20,623		21,223		20,623				20,623
	Realignment of EDI APS Unit Set from OCO to Base .....				[600]						
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) .....		45,998		45,998		47,798				45,998
	SOUTHCOM SIGINT Suite COMSAT RF .....						[1,800]				
072	CI HUMINT AUTO REPRTING & COLL(CHARCS)(MIP) .....		296		296		296				296
076	ITEMS LESS THAN \$5.0M (MIP) .....		410		410		410				410
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>										
077	LIGHTWEIGHT COUNTER MORTAR RADAR .....		9,165		9,165		9,165				9,165
078	EW PLANNING & MANAGEMENT TOOLS (EWPMT) .....		5,875		5,875		5,875				5,875
079	AIR VIGILANCE (AV) (MIP) .....		8,497		8,497		8,497				8,497
083	CI MODERNIZATION (MIP) .....		486		486		486				486
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>										
084	SENTINEL MODS .....		79,629		79,629		79,629				79,629
085	NIGHT VISION DEVICES .....		153,180		153,266		153,180				153,180
	Realignment of EDI APS Unit Set from OCO to Base .....				[86]						
086	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM .....				2,861						
	Realignment of EDI APS Unit Set from OCO to Base .....				[2,861]						
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF .....		22,882		22,882		22,882				22,882
088	RADIATION MONITORING SYSTEMS .....		17,393		17,404		17,393				17,393
	Realignment of EDI APS Unit Set from OCO to Base .....				[11]						
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS .....		46,740		47,002		46,740		-6,305		40,435
	C-RAM enhancements fielding unjustified request .....								[-6,305]		
	Realignment of EDI APS Unit Set from OCO to Base .....				[262]						
091	FAMILY OF WEAPON SIGHTS (FWS) .....		140,737		131,962		140,737		-9,300		131,437
	Realignment of EDI APS Unit Set from OCO to Base .....				[525]						
	Unexecutable funds .....				[-9,300]				[-9,300]		
093	PROFILER .....		171		171		171				171
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....		405,239		431,385		405,239		-13,358		391,881

	Realignment of EDI APS Unit Set from OCO to Base .....		[26,146]			
	Requirement funded in fiscal year 2018 .....					[-13,358]
095	JOINT EFFECTS TARGETING SYSTEM (JETS) .....	66,574	66,574	66,574		66,574
096	MOD OF IN-SVC EQUIP (LLDR) .....	20,783	24,833	20,783		20,783
	Realignment of EDI APS Unit Set from OCO to Base .....		[4,050]			
097	COMPUTER BALLISTICS: LHMCB XM32 .....	8,553	8,553	8,553		8,553
098	MORTAR FIRE CONTROL SYSTEM .....	21,489	21,489	21,489		21,489
099	COUNTERFIRE RADARS .....	162,121	162,121	162,121		162,121
	<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>					
100	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE ( .....	2,855	2,855	2,855		2,855
101	FIRE SUPPORT C2 FAMILY .....	19,153	19,153	19,153		19,153
102	AIR & MSL DEFENSE PLANNING & CONTROL SYS .....	33,837	33,837	33,837		33,837
103	LIFE CYCLE SOFTWARE SUPPORT (LCSS) .....	5,136	5,136	5,136		5,136
104	NETWORK MANAGEMENT INITIALIZATION AND SERVICE .....	18,329	18,329	18,329		18,329
105	MANEUVER CONTROL SYSTEM (MCS) .....	38,015	38,015	38,015		38,015
106	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A) .....	15,164	15,164	15,164		15,164
107	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP) .....	29,239	29,239	29,239		29,239
109	RECONNAISSANCE AND SURVEYING INSTRUMENT SET .....	6,823	6,823	6,823		6,823
110	MOD OF IN-SVC EQUIPMENT (ENFIRE) .....	1,177	1,177	1,177		1,177
	<b>ELECT EQUIP—AUTOMATION</b>					
111	ARMY TRAINING MODERNIZATION .....	12,265	12,265	12,265		12,265
112	AUTOMATED DATA PROCESSING EQUIP .....	201,875	201,875	186,875		201,875
	Consolidating more IT purchases .....			[-15,000]		
113	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM .....	10,976	10,976	10,976		10,976
114	HIGH PERF COMPUTING MOD PGM (HPCMP) .....	66,330	66,330	66,330		66,330
115	CONTRACT WRITING SYSTEM .....	5,927	5,927	5,927		5,927
116	RESERVE COMPONENT AUTOMATION SYS (RCAS) .....	27,896	27,896	27,896		27,896
	<b>ELECT EQUIP—AUDIO VISUAL SYS (A/V)</b>					
117	TACTICAL DIGITAL MEDIA .....	4,392	4,392	4,392		4,392
118	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) .....	1,970	1,970	1,970		1,970
	<b>ELECT EQUIP—SUPPORT</b>					
119	PRODUCTION BASE SUPPORT (C-E) .....	506	506	506		506
	<b>CLASSIFIED PROGRAMS</b>					
120A	CLASSIFIED PROGRAMS .....	4,501	4,501	4,501		4,501
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>					
121	PROTECTIVE SYSTEMS .....	2,314	2,341	2,314		2,314
	Realignment of EDI APS Unit Set from OCO to Base .....		[27]			
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE) .....	7,478	7,478	7,478		7,478
124	CBRN DEFENSE .....	173,954	174,271	173,954		173,954
	Realignment of EDI APS Unit Set from OCO to Base .....		[317]			

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>BRIDGING EQUIPMENT</b>											
125	TACTICAL BRIDGING .....		98,229		98,229		98,229				98,229
126	TACTICAL BRIDGE, FLOAT-RIBBON .....		64,438		64,438		64,438				64,438
127	COMMON BRIDGE TRANSPORTER (CBT) RECAP .....		79,916		79,916		79,916				79,916
<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>											
128	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST .....		8,471		8,471		8,471				8,471
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS) .....		29,883		29,883		29,883				29,883
130	AREA MINE DETECTION SYSTEM (AMDS) .....		11,594		11,595		11,594				11,594
	Realignment of EDI APS Unit Set from OCO to Base .....				[1]						
131	HUSKY MOUNTED DETECTION SYSTEM (HMDS) .....		40,834		40,834		40,834				40,834
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS) .....		4,029		4,029		4,029				4,029
133	EOD ROBOTICS SYSTEMS RECAPITALIZATION .....		14,208		14,208		14,208				14,208
134	ROBOTICS AND APPLIQUE SYSTEMS .....		31,456		31,456		31,456				31,456
136	REMOTE DEMOLITION SYSTEMS .....		1,748		1,749		1,748				1,748
	Realignment of EDI APS Unit Set from OCO to Base .....				[1]						
137	< \$5M, COUNTERMINE EQUIPMENT .....		7,829		7,829		7,829				7,829
138	FAMILY OF BOATS AND MOTORS .....		5,806		5,806		5,806				5,806
<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>											
139	HEATERS AND ECU'S .....		9,852		9,852		9,852				9,852
140	SOLDIER ENHANCEMENT .....		1,103		1,103		1,103				1,103
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....		5,875		5,875		5,875				5,875
142	GROUND SOLDIER SYSTEM .....		92,487		92,487		92,487				36,487
	Requirement funded in fiscal year 2018 .....								-56,000		
143	MOBILE SOLDIER POWER .....		30,774		30,774		30,774		[-56,000]		30,774
145	FIELD FEEDING EQUIPMENT .....		17,521		17,521		17,521				17,521
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....		44,855		44,855		44,855				44,855
147	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS .....		17,173		17,173		17,173				17,173
148	ITEMS LESS THAN \$5M (ENG SPT) .....		2,000		2,000		2,000				2,000
<b>PETROLEUM EQUIPMENT</b>											
149	QUALITY SURVEILLANCE EQUIPMENT .....		1,770		1,770		1,770				1,770
150	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....		39,730		39,730		39,730				39,730
<b>MEDICAL EQUIPMENT</b>											
151	COMBAT SUPPORT MEDICAL .....		57,752		77,752		57,752				57,752

	Simulators and other technologies to reduce the use of live animal tissue for medical training.		[20,000]		
	<b>MAINTENANCE EQUIPMENT</b>				
152	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	37,722	37,722	37,722	37,722
153	ITEMS LESS THAN \$5.0M (MAINT EQ) .....	4,985	5,253	4,985	4,985
	Realignment of EDI APS Unit Set from OCO to Base .....		[268]		
	<b>CONSTRUCTION EQUIPMENT</b>				
155	SCRAPERS, EARTHMOVING .....	7,961	7,961	7,961	7,961
156	HYDRAULIC EXCAVATOR .....	1,355	1,355	1,355	1,355
158	ALL TERRAIN CRANES .....	13,031	13,031	13,031	13,031
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) .....	46,048	46,048	46,048	46,048
160	ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP .....	980	8,480	980	8,480
	Program increase—additional ERACC systems .....		[7,500]	7,500	[7,500]
161	CONST EQUIP ESP .....	37,017	37,017	37,017	37,017
162	ITEMS LESS THAN \$5.0M (CONST EQUIP) .....	6,103	6,103	6,103	6,103
	<b>RAIL FLOAT CONTAINERIZATION EQUIPMENT</b>				
163	ARMY WATERCRAFT ESP .....	27,711	27,711	27,711	27,711
164	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) .....	8,385	8,385	8,385	8,385
	<b>GENERATORS</b>				
165	GENERATORS AND ASSOCIATED EQUIP .....	133,772	133,772	133,772	133,772
166	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	8,333	8,333	8,333	8,333
	<b>MATERIAL HANDLING EQUIPMENT</b>				
167	FAMILY OF FORKLIFTS .....	12,901	12,901	12,901	12,901
	<b>TRAINING EQUIPMENT</b>				
168	COMBAT TRAINING CENTERS SUPPORT .....	123,228	123,228	123,228	123,228
169	TRAINING DEVICES, NONSYSTEM .....	228,598	228,598	228,598	228,598
170	CLOSE COMBAT TACTICAL TRAINER .....	33,080	33,080	33,080	33,080
171	AVIATION COMBINED ARMS TACTICAL TRAINER .....	32,700	32,700	32,700	32,700
172	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING .....	25,161	25,161	25,161	25,161
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>				
173	CALIBRATION SETS EQUIPMENT .....	4,270	4,270	4,270	4,270
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	76,295	85,790	76,295	76,295
	Realignment of EDI APS Unit Set from OCO to Base .....		[9,495]		
175	TEST EQUIPMENT MODERNIZATION (TEMOD) .....	9,806	9,806	9,806	9,806
	<b>OTHER SUPPORT EQUIPMENT</b>				
176	M25 STABILIZED BINOCULAR .....	4,368	4,401	4,368	4,368
	Realignment of EDI APS Unit Set from OCO to Base .....		[33]		
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT .....	9,879	9,879	9,879	9,879
178	PHYSICAL SECURITY SYSTEMS (OPA3) .....	54,043	54,043	54,043	54,043
179	BASE LEVEL COMMON EQUIPMENT .....	6,633	6,633	6,633	6,633

SEC. 4101. PROCUREMENT  
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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....		49,797		49,797		49,797				49,797
181	PRODUCTION BASE SUPPORT (OTH) .....		2,301		2,301		2,301				2,301
182	SPECIAL EQUIPMENT FOR USER TESTING .....		11,608		11,608		11,608				11,608
183	TRACTOR YARD .....		4,956		4,956		4,956				4,956
	<b>OPA2</b>										
184	INITIAL SPARES—C&E .....		9,817		9,817		9,817				9,817
	<b>TOTAL OTHER PROCUREMENT, ARMY .....</b>		<b>7,999,529</b>		<b>8,410,454</b>		<b>7,736,329</b>		<b>-329,665</b>		<b>7,669,864</b>
	<b>AIRCRAFT PROCUREMENT, NAVY</b>										
	<b>COMBAT AIRCRAFT</b>										
001	F/A-18E/F (FIGHTER) HORNET .....	24	1,937,553	24	1,907,553	24	1,937,553		-56,249	24	1,881,304
	Excess NRE and Support Costs .....				[-30,000]				[-56,249]		
002	ADVANCE PROCUREMENT (CY) .....		58,799		58,799		58,799				58,799
003	JOINT STRIKE FIGHTER CV .....	9	1,144,958	9	1,132,058	8	1,023,958		-12,900	9	1,132,058
	Production Efficiencies .....				[-12,900]				[-12,900]		
	Program Realignment .....					[-1]	[-121,000]				
004	ADVANCE PROCUREMENT (CY) .....		140,010		140,010		140,010				140,010
005	JSF STOVL .....	20	2,312,847	20	2,276,547	20	2,312,847		-36,300	20	2,276,547
	Production Efficiencies .....				[-36,300]				[-36,300]		
006	ADVANCE PROCUREMENT (CY) .....		228,492		228,492		228,492				228,492
007	CH-53K (HEAVY LIFT) .....	8	1,113,804	8	1,089,804	8	1,113,804		-45,378	8	1,068,426
	Support cost growth .....				[-24,000]				[-45,378]		
008	ADVANCE PROCUREMENT (CY) .....		161,079		161,079		161,079				161,079
009	V-22 (MEDIUM LIFT) .....	7	806,337	7	806,337	7	806,337		-22,000	7	784,337
	Unit cost savings .....								[-22,000]		
010	ADVANCE PROCUREMENT (CY) .....		36,955		36,955		36,955				36,955
011	H-1 UPGRADES (UH-1Y/AH-1Z) .....	25	820,755	25	820,755	25	820,755			25	820,755
014	P-8A POSEIDON .....	10	1,803,753	10	1,777,753	10	1,803,753		-25,000	10	1,778,753
	Excessive CFE Electronics cost growth .....				[-5,000]				[-5,000]		
	Excessive GFE Electronics cost growth .....				[-1,000]						
	Excessive support cost growth .....				[-20,000]				[-20,000]		
015	ADVANCE PROCUREMENT (CY) .....		180,000		180,000		180,000				180,000
016	E-2D ADV HAWKEYE .....	4	742,693	4	726,393	5	917,693	1	161,500	5	904,193



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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Forward financed .....										
039	C-130 SERIES .....		79,075		79,075		79,075				72,152
	Forward financed .....										
040	FEWSG .....		597		597		597				597
041	CARGO/TRANSPORT A/C SERIES .....		8,932		8,932		8,932				8,932
042	E-6 SERIES .....		181,821		181,821		181,821				180,493
	Excess installation costs .....										
043	EXECUTIVE HELICOPTERS SERIES .....		23,566		23,566		23,566				23,566
044	SPECIAL PROJECT AIRCRAFT .....		7,620		7,620		7,620				7,620
045	T-45 SERIES .....		195,475		195,475		195,475				195,475
046	POWER PLANT CHANGES .....		21,521		21,521		21,521				21,521
047	JPATS SERIES .....		27,644		27,644		27,644				27,644
048	AVIATION LIFE SUPPORT MODS .....		15,864		15,864		15,864				15,864
049	COMMON ECM EQUIPMENT .....		166,306		191,306	43	191,306				191,306
	Navy UFR: F/A-18E/F Super Hornet Adaptive RADAR counter-measures .....				(25,000)	(43)	(25,000)				
050	COMMON AVIONICS CHANGES .....		117,551		112,551		117,551				117,551
	Program decrease .....				(5,000)						
051	COMMON DEFENSIVE WEAPON SYSTEM .....		1,994		1,994		1,994				1,994
052	ID SYSTEMS .....		40,696		40,696		40,696				40,696
053	P-8 SERIES .....		71,251		71,251		71,251				71,251
054	MAGTF EW FOR AVIATION .....		11,590		11,590		11,590				11,590
055	MQ-8 SERIES .....		37,907		37,907		37,907				37,907
057	V-22 (TILT/ROTOR ACFT) OSPREY .....		214,820		214,820		214,820				211,700
	Excess support costs .....										
058	NEXT GENERATION JAMMER (NGJ) .....		952		952		952				
	Early to need .....										
059	F-35 STOVL SERIES .....		36,618		36,618		70,118				36,618
	F-35B Modifications Increase .....						(33,500)				
060	F-35 CV SERIES .....		21,236		21,236		26,236				21,236
	F-35C Modifications Increase .....						(5,000)				
061	QRC .....		101,499		101,499		101,499				101,499
062	MQ-4 SERIES .....		48,278		48,278		48,278				48,278

063	RQ-21 SERIES .....		6,904		6,904		6,904			6,904	
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>										
064	SPARES AND REPAIR PARTS .....		1,792,920		1,832,920		1,842,920	50,000		1,842,920	
	F-35B and F-35C spares quantity increase .....				[40,000]		[50,000]	[50,000]			
	<b>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</b>										
065	COMMON GROUND EQUIPMENT .....		421,606		411,606		421,606	-10,000		411,606	
	Program decrease .....				[-10,000]			[-10,000]			
066	AIRCRAFT INDUSTRIAL FACILITIES .....		24,496		24,496		24,496			24,496	
067	WAR CONSUMABLES .....		42,108		42,108		42,108			42,108	
068	OTHER PRODUCTION CHARGES .....		1,444		1,444		1,444			1,444	
069	SPECIAL SUPPORT EQUIPMENT .....		49,489		49,489		49,489			49,489	
070	FIRST DESTINATION TRANSPORTATION .....		1,951		1,951		1,951			1,951	
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY</b> .....	<b>120</b>	<b>19,041,799</b>	<b>118</b>	<b>18,713,849</b>	<b>161</b>	<b>19,217,199</b>	<b>-1</b>	<b>-220,963</b>	<b>119</b>	<b>18,820,836</b>
	<b>WEAPONS PROCUREMENT, NAVY</b>										
	<b>MODIFICATION OF MISSILES</b>										
001	TRIDENT II MODS .....		1,078,750		1,078,750		1,078,750			1,078,750	
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>										
002	MISSILE INDUSTRIAL FACILITIES .....		6,998		6,998		6,998			6,998	
	<b>STRATEGIC MISSILES</b>										
003	TOMAHAWK .....		98,570	198	213,370		98,570	-20,164		78,406	
	Forward financed in the FY18 Omnibus .....				[-81,000]						
	Program Increase—198 missile .....			[198]	[216,000]						
	Shutdown costs early to need .....							[-20,164]			
	<b>TACTICAL MISSILES</b>										
004	AMRAAM .....	140	211,058	140	211,058	140	211,058		140	211,058	
005	SIDEWINDER .....	191	77,927	250	122,927	249	122,927	59	45,000	250	122,927
	Navy UFR: additional AIM 9-X missiles .....			[59]	[45,000]	[58]	[45,000]	[59]	[45,000]		
006	JSOW .....		1,330		1,330		1,330			1,330	
007	STANDARD MISSILE .....	125	490,210	125	490,210	125	490,210		125	490,210	
008	ADVANCE PROCUREMENT (CY) .....		125,683		125,683		125,683			125,683	
009	SMALL DIAMETER BOMB II .....	750	91,272	750	91,272	750	91,272		750	91,272	
010	RAM .....	120	96,221	120	93,921	120	96,221		120	96,221	
	Excess Production Support .....				[-2,300]						
011	JOINT AIR GROUND MISSILE (JAGM) .....	75	24,109	75	24,109	75	24,109		75	24,109	
014	STAND OFF PRECISION GUIDED MUNITIONS (SOPGM) .....	31	11,378	31	11,378	31	11,378		31	11,378	
015	AERIAL TARGETS .....		137,137		137,137		137,137			137,137	
016	OTHER MISSILE SUPPORT .....		3,318		3,318		3,318			3,318	
017	LRASM .....	25	81,190	35	111,190	35	111,190	10	30,000	35	111,190
	Navy Unfunded Requirement .....			[10]	[30,000]	[10]	[30,000]	[10]	[30,000]		

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
018	LCS OTH MISSILE .....	8	18,156	8	18,156	8	18,156			8	18,156
	<b>MODIFICATION OF MISSILES</b>										
019	ESSM .....	45	98,384	45	96,384	45	98,384			45	98,384
	Excess Production Support .....				[-2,000]						
020	HARPOON MODS .....		14,840		14,840	48	26,840	48	12,000	48	26,840
	Navy UPL: Increase to max capacity .....					[48]	[12,000]	[48]	[12,000]		
021	HARM MODS .....		187,985		187,985	-200	74,085				187,985
	Reduce procurement due to test results .....					[-200]	[-113,900]				
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>										
023	WEAPONS INDUSTRIAL FACILITIES .....		2,006		2,006		2,006				2,006
024	FLEET SATELLITE COMM FOLLOW-ON .....		66,779		66,779		66,779				66,779
	<b>ORDNANCE SUPPORT EQUIPMENT</b>										
025	ORDNANCE SUPPORT EQUIPMENT .....		62,008		62,008		62,008				62,008
	<b>TORPEDOES AND RELATED EQUIP</b>										
026	SSTD .....		6,353		6,353		6,353				6,353
027	MK-48 TORPEDO .....	45	92,616	50	103,616	50	103,616	5	11,000	50	103,616
	Navy Unfunded Requirement .....			[5]	[11,000]	[5]	[11,000]	[5]	[11,000]		
028	ASW TARGETS .....		12,324		12,324		12,324				12,324
	<b>MOD OF TORPEDOES AND RELATED EQUIP</b>										
029	MK-54 TORPEDO MODS .....		105,946		95,446		105,946		-4,000		101,946
	HAAWC unit cost growth .....				[-6,500]						
	Non Recurring Engineering excess growth .....				[-4,000]				[-4,000]		
030	MK-48 TORPEDO ADCAP MODS .....		40,005		40,005		40,005				40,005
031	QUICKSTRIKE MINE .....		9,758		9,758		9,758				9,758
	<b>SUPPORT EQUIPMENT</b>										
032	TORPEDO SUPPORT EQUIPMENT .....		79,371		79,371		79,371				79,371
033	ASW RANGE SUPPORT .....		3,872		3,872		3,872				3,872
	<b>DESTINATION TRANSPORTATION</b>										
034	FIRST DESTINATION TRANSPORTATION .....		3,726		3,726		3,726				3,726
	<b>GUNS AND GUN MOUNTS</b>										
035	SMALL ARMS AND WEAPONS .....		15,067		15,067		15,067				15,067
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>										
036	CIWS MODS .....		63,318		63,318		63,318				63,318

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037	COAST GUARD WEAPONS .....		40,823		40,823		40,823			40,823	
038	GUN MOUNT MODS .....		74,618		74,618		74,618			74,618	
039	LCS MODULE WEAPONS .....	90	11,350	90	5,550	40	5,350		90	11,350	
	Mission Module Early to need .....				[-5,800]	[-50]	[-6,000]				
041	AIRBORNE MINE NEUTRALIZATION SYSTEMS .....		22,249		22,249		22,249			22,249	
	<b>SPARES AND REPAIR PARTS</b>										
043	SPARES AND REPAIR PARTS .....		135,688		130,688		135,688			135,688	
	Unjustified program cost growth .....				[-5,000]						
	<b>TOTAL WEAPONS PROCUREMENT, NAVY .....</b>	<b>1,645</b>	<b>3,702,393</b>	<b>1,917</b>	<b>3,877,593</b>	<b>1,516</b>	<b>3,680,493</b>	<b>122</b>	<b>73,836</b>	<b>1,767</b>	<b>3,776,229</b>
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>										
	<b>NAVY AMMUNITION</b>										
001	GENERAL PURPOSE BOMBS .....		79,871		79,871		79,871			79,871	
002	JDAM .....	3,688	87,900	3,688	87,900	3,688	87,900		3,688	87,900	
003	AIRBORNE ROCKETS, ALL TYPES .....		151,431		151,431		151,431			144,481	
	APKWS product improvement previously funded .....							[-6,950]			
								[-6,950]			
004	MACHINE GUN AMMUNITION .....		11,344		11,344		11,344			11,344	
005	PRACTICE BOMBS .....		49,471		49,471		49,471			49,471	
006	CARTRIDGES & CART ACTUATED DEVICES .....		56,227		56,227		56,227			56,227	
007	AIR EXPENDABLE COUNTERMEASURES .....		66,382		66,382		66,382			66,382	
008	JATOS .....		2,907		2,907		2,907			2,907	
009	5 INCH/54 GUN AMMUNITION .....		72,657		72,657		72,657			72,657	
010	INTERMEDIATE CALIBER GUN AMMUNITION .....		33,613		33,613	-1,000	20,613		-800	32,813	
	Alamo LRIP ahead of testing .....					[-1,000]	[-13,000]				
	Unit cost growth (57MM, HE-PD) .....								[-800]		
011	OTHER SHIP GUN AMMUNITION .....		42,142		42,142		42,142			42,142	
012	SMALL ARMS & LANDING PARTY AMMO .....		49,888		49,888		49,888			49,888	
013	PYROTECHNIC AND DEMOLITION .....		10,931		10,931		10,931			10,931	
015	AMMUNITION LESS THAN \$5 MILLION .....		1,106		1,106		1,106			1,106	
	<b>MARINE CORPS AMMUNITION</b>										
019	MORTARS .....		28,266		28,266		28,266			28,266	
021	DIRECT SUPPORT MUNITIONS .....		63,664		63,664		63,664			63,664	
022	INFANTRY WEAPONS AMMUNITION .....		59,295		59,295		59,295			59,295	
026	COMBAT SUPPORT MUNITIONS .....		31,577		31,577		31,577			31,577	
028	AMMO MODERNIZATION .....		15,001		15,001		15,001			15,001	
029	ARTILLERY MUNITIONS .....		86,297		86,297		86,297			86,297	
030	ITEMS LESS THAN \$5 MILLION .....		6,239		6,239		6,239			6,239	
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC .....</b>	<b>3,688</b>	<b>1,006,209</b>	<b>3,688</b>	<b>1,006,209</b>	<b>2,688</b>	<b>993,209</b>	<b>-7,750</b>	<b>3,688</b>	<b>998,459</b>	
	<b>SHIPBUILDING AND CONVERSION, NAVY</b>										

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>FLEET BALLISTIC MISSILE SHIPS</b>											
001	ADVANCE PROCUREMENT (CY) .....		3,005,330		3,088,030		3,005,330		237,000		3,242,330
	Accelerated Advance Procurement .....				[150,000]						
	Forward financed in the FY18 Omnibus for the foundry pro- peller center. ....				[-19,000]						
	Ordnance Early to Need .....				[-48,300]				[-13,000]		
	Submarine industrial base expansion .....								[250,000]		
<b>OTHER WARSHIPS</b>											
002	CARRIER REPLACEMENT PROGRAM .....		1,598,181	1	1,549,081		1,598,181	1		1	1,598,181
	Authorize CVN81—One ship .....			[1]	[ ]			[1]			
	Excess change order rate .....				[-49,100]						
004	VIRGINIA CLASS SUBMARINE .....	2	4,373,382	2	5,311,382	2	4,373,382		-20,000	2	4,353,382
	EOQ AP for submarine in FY 2022 and 2023 .....				[1,003,000]						
	Excess change order rate .....				[-20,000]				[-20,000]		
	Forward financed in the FY18 Omnibus .....				[-45,000]						
005	ADVANCE PROCUREMENT (CY) .....		2,796,401		2,796,401		3,046,401				2,796,401
	FY19–23 MYP EOQ or SIB expansion .....						[250,000]				
007	ADVANCE PROCUREMENT (CY) .....		449,597		449,597		449,597				449,597
008	DDG 1000 .....		270,965		270,965						270,965
	Cost growth transfer to Line 28 .....						[-270,965]				
009	DDG-51 .....	3	5,253,327	3	4,941,327	3	5,225,827		-81,500	3	5,171,827
	DDG Flight III Multiyear Procurement Savings .....				[-150,000]						
	Excessive Basic Construction Unit Cost Growth .....				[-162,000]				[-81,500]		
	Multiyear procurement contract savings .....						[-27,500]				
010	ADVANCE PROCUREMENT (CY) .....		391,928		391,928		641,928		250,000		641,928
	Enable greater long lead material procurement .....						[250,000]		[250,000]		
011	LITTORAL COMBAT SHIP .....	1	646,244	3	1,596,244	1	576,244	2	912,261	3	1,558,505
	Align Plans and Other costs with end of production .....						[-70,000]		[-37,739]		
	Program Increase—Two ships .....			[2]	[950,000]			[2]	[950,000]		
<b>AMPHIBIOUS SHIPS</b>											
012A	ADVANCE PROCUREMENT (CY) .....				150,000		650,000		500,000		500,000
	AP for FY2020 LPD Flight II and/or MYP EOQ .....				[150,000]		[650,000]		[500,000]		
013	EXPEDITIONARY SEA BASE (ESB) .....	1	650,000	1	630,000	1	650,000		-3,000	1	647,000



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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
012	VIRGINIA CLASS SUPPORT EQUIPMENT .....		66,328		66,328		66,328				66,328
013	LCS CLASS SUPPORT EQUIPMENT .....		47,241		47,241		47,241				47,241
014	SUBMARINE BATTERIES .....		27,987		27,987		27,987		-2,902		25,085
	Unit cost growth .....								[-2,902]		
015	LPD CLASS SUPPORT EQUIPMENT .....		65,033		65,033		65,033				65,033
016	DDG 1000 CLASS SUPPORT EQUIPMENT .....		89,700		89,700		51,300		-32,000		57,700
	Procurement early to need .....						[-38,400]		[-32,000]		
017	STRATEGIC PLATFORM SUPPORT EQUIP .....		22,254		22,254		22,254				22,254
018	DSPS EQUIPMENT .....		3,629		3,629		3,629				3,629
019	CG MODERNIZATION .....		276,446		272,546		276,446		-3,900		272,546
	Integrated Ship Controls Unit Cost Growth .....				[-3,900]				[-3,900]		
020	LCAC .....		3,709		3,709		3,709				3,709
021	UNDERWATER EOD PROGRAMS .....		78,807		48,407		78,807		-5,807		73,000
	Insufficient transition strategy .....				[-30,400]				[-5,807]		
022	ITEMS LESS THAN \$5 MILLION .....		126,865		126,865		101,865				126,865
	Insufficient justification for CVN-78 in-service requirements .....						[-25,000]				
023	CHEMICAL WARFARE DETECTORS .....		2,966		2,966		2,966				2,966
024	SUBMARINE LIFE SUPPORT SYSTEM .....		11,968		11,968		11,968				11,968
	<b>REACTOR PLANT EQUIPMENT</b>										
025	REACTOR POWER UNITS .....		346,325				346,325				346,325
	Early to need .....				[-346,325]						
026	REACTOR COMPONENTS .....		497,063		497,063		497,063				497,063
	<b>OCEAN ENGINEERING</b>										
027	DIVING AND SALVAGE EQUIPMENT .....		10,706		10,706		10,706				10,706
	<b>SMALL BOATS</b>										
028	STANDARD BOATS .....		49,771		49,771		49,771				49,771
	<b>PRODUCTION FACILITIES EQUIPMENT</b>										
029	OPERATING FORCES IPE .....		225,181		225,181		225,181				225,181
	<b>OTHER SHIP SUPPORT</b>										
031	LCS COMMON MISSION MODULES EQUIPMENT .....		46,732		46,732		46,732		-4,509		42,223
	EMM AN/SQS-62 training equipment unjustified request .....								[-4,509]		
032	LCS MCM MISSION MODULES .....		124,147		124,147		152,063				124,147
	Transfer Cobra trainer from Line 53 .....						[8,616]				

	Transfer Knifefish and UISS trainers from Line 52 .....			[19,300]		
033	LCS ASW MISSION MODULES .....	57,294	7,394	39,294	-49,900	7,394
	Late test event for VDS and MFTA .....		[-49,900]	[-18,000]	[-49,900]	
034	LCS SUW MISSION MODULES .....	26,006	15,006	14,506	-11,500	14,506
	Surface to Surface MM Early to need .....		[-11,000]	[-11,500]	[-11,500]	
035	LCS IN-SERVICE MODERNIZATION .....	70,526	70,526	70,526		70,526
	<b>LOGISTIC SUPPORT</b>					
036	LSD MIDLIFE & MODERNIZATION .....	4,784	4,784	4,784		4,784
	<b>SHIP SONARS</b>					
037	SPQ-9B RADAR .....	20,309	20,309	20,309		20,309
038	AN/SQQ-89 SURF ASW COMBAT SYSTEM .....	115,459	115,459	115,459		115,459
039	SSN ACOUSTIC EQUIPMENT .....	318,189	318,189	318,189		318,189
040	UNDERSEA WARFARE SUPPORT EQUIPMENT .....	10,134	10,134	10,134		10,134
	<b>ASW ELECTRONIC EQUIPMENT</b>					
041	SUBMARINE ACOUSTIC WARFARE SYSTEM .....	23,815	23,815	23,815		23,815
042	SSTD .....	11,277	11,277	6,277	-5,000	6,277
	AN/SLQ-25E contract delay .....			[-5,000]	[-5,000]	
043	FIXED SURVEILLANCE SYSTEM .....	237,780	207,780	237,780		237,780
	Forward financed in the FY18 Omnibus .....		[-30,000]			
044	SURTASS .....	57,872	47,872	57,872		57,872
	Forward financed in the FY18 Omnibus for SURTASS-E .....		[-10,000]			
	<b>ELECTRONIC WARFARE EQUIPMENT</b>					
045	AN/SLQ-32 .....	420,344	397,244	420,344	-27,100	393,244
	Block 3 kit cost excess growth .....				[-12,429]	
	Excess Ship Installation Unit Cost Growth .....		[-23,100]		[-14,671]	
	<b>RECONNAISSANCE EQUIPMENT</b>					
046	SHIPBOARD IW EXPLOIT .....	220,883	220,883	220,883		220,883
047	AUTOMATED IDENTIFICATION SYSTEM (AIS) .....	4,028	4,028	4,028		4,028
	<b>OTHER SHIP ELECTRONIC EQUIPMENT</b>					
048	COOPERATIVE ENGAGEMENT CAPABILITY .....	44,173	42,573	38,173	-6,000	38,173
	Common Array Block antenna program delay .....			[-6,000]	[-6,000]	
	Excess Production Engineering Support .....		[-1,600]			
049	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS) .....	10,991	10,991	10,991		10,991
050	ATDLs .....	34,526	34,526	34,526		34,526
051	NAVY COMMAND AND CONTROL SYSTEM (NCCS) .....	3,769	3,769	3,769		3,769
052	MINESWEEPING SYSTEM REPLACEMENT .....	35,709	35,709	16,409		35,709
	Transfer Knifefish and UISS trainers to Line 32 .....			[-19,300]		
053	SHALLOW WATER MCM .....	8,616	8,616			8,616
	Transfer Cobra trainer to Line 32 .....			[-8,616]		
054	NAVSTAR GPS RECEIVERS (SPACE) .....	10,703	10,703	10,703		10,703

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
055	AMERICAN FORCES RADIO AND TV SERVICE .....		2,626		2,626		2,626				2,626
056	STRATEGIC PLATFORM SUPPORT EQUIP .....		9,467		9,467		9,467				9,467
	<b>AVIATION ELECTRONIC EQUIPMENT</b>										
057	ASHORE ATC EQUIPMENT .....		70,849		70,849		70,849				70,849
058	AFLOAT ATC EQUIPMENT .....		47,890		47,890		47,890				47,890
059	ID SYSTEMS .....		26,163		26,163		26,163				26,163
060	JOINT PRECISION APPROACH AND LANDING SYSTEM ( .....		38,094		38,094		38,094				38,094
061	NAVAL MISSION PLANNING SYSTEMS .....		11,966		11,966		11,966				11,966
	<b>OTHER SHORE ELECTRONIC EQUIPMENT</b>										
062	TACTICAL/MOBILE C4I SYSTEMS .....		42,010		42,010		42,010				42,010
063	DCGS-N .....		12,896		12,896		12,896				12,896
064	CANES .....		423,027		423,027		423,027		-10,274		412,753
	CANES afloat kit prior year carryover .....								[-10,274]		
065	RADIAC .....		8,175		8,175		8,175				8,175
066	CANES-INTELL .....		54,465		54,465		54,465				54,465
067	GPETE .....		5,985		5,985		5,985				5,985
068	MASF .....		5,413		5,413		5,413				5,413
069	INTEG COMBAT SYSTEM TEST FACILITY .....		6,251		6,251		6,251				6,251
070	EMI CONTROL INSTRUMENTATION .....		4,183		4,183		4,183				4,183
071	ITEMS LESS THAN \$5 MILLION .....		148,350		148,350		142,950		-5,400		142,950
	NGSSR installation funding early to need .....						[-5,400]		[-5,400]		
	<b>SHIPBOARD COMMUNICATIONS</b>										
072	SHIPBOARD TACTICAL COMMUNICATIONS .....		45,450		45,450		45,450				45,450
073	SHIP COMMUNICATIONS AUTOMATION .....		105,087		105,087		105,087				105,087
074	COMMUNICATIONS ITEMS UNDER \$5M .....		41,123		41,123		41,123				41,123
	<b>SUBMARINE COMMUNICATIONS</b>										
075	SUBMARINE BROADCAST SUPPORT .....		30,897		30,897		30,897				30,897
076	SUBMARINE COMMUNICATION EQUIPMENT .....		78,580		78,580		78,580				78,580
	<b>SATELLITE COMMUNICATIONS</b>										
077	SATELLITE COMMUNICATIONS SYSTEMS .....		41,205		41,205		41,205				41,205
078	NAVY MULTIBAND TERMINAL (NMT) .....		113,885		113,885		113,885				113,885
	<b>SHORE COMMUNICATIONS</b>										
079	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....		4,292		4,292		4,292				4,292

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	<b>CRYPTOGRAPHIC EQUIPMENT</b>					
080	INFO SYSTEMS SECURITY PROGRAM (ISSP) .....	153,526	153,526	153,526		153,526
081	MIO INTEL EXPLOITATION TEAM .....	951	951	951		951
	<b>CRYPTOLOGIC EQUIPMENT</b>					
082	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	14,209	14,209	17,009	2,800	17,009
	SOUTHCOM CCO Sensor (2 suites) .....			(2,800)	(2,800)	
	<b>OTHER ELECTRONIC SUPPORT</b>					
086	COAST GUARD EQUIPMENT .....	40,713	40,713	40,713		40,713
	<b>SONOBUOYS</b>					
088	SONOBUOYS—ALL TYPES .....	177,891	216,191	213,891	38,300	216,191
	Navy Unfunded Requirement .....		[38,300]	[36,000]	[38,300]	
	<b>AIRCRAFT SUPPORT EQUIPMENT</b>					
089	WEAPONS RANGE SUPPORT EQUIPMENT .....	93,864	93,864	93,864		93,864
090	AIRCRAFT SUPPORT EQUIPMENT .....	111,724	108,524	111,724		111,724
	Program decrease .....		[-3,200]			
091	ADVANCED ARRESTING GEAR (AAG) .....	11,054	11,054	11,054		11,054
092	METEOROLOGICAL EQUIPMENT .....	21,072	21,072	21,072		21,072
093	DCRS/DPL .....	656	656	656		656
094	AIRBORNE MINE COUNTERMEASURES .....	11,299	11,299	11,299		11,299
095	LAMPS EQUIPMENT .....	594	594	594		594
096	AVIATION SUPPORT EQUIPMENT .....	39,374	39,374	39,374	-1,500	37,874
	ASIP unit cost growth .....				[-1,500]	
097	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL .....	35,405	35,405	35,405		35,405
	<b>SHIP GUN SYSTEM EQUIPMENT</b>					
098	SHIP GUN SYSTEMS EQUIPMENT .....	5,337	5,337	5,337		5,337
	<b>SHIP MISSILE SYSTEMS EQUIPMENT</b>					
099	SHIP MISSILE SUPPORT EQUIPMENT .....	213,090	208,090	213,090		213,090
	Unjustified Stalker Growth .....		[-5,000]			
100	TOMAHAWK SUPPORT EQUIPMENT .....	92,890	92,890	92,890		92,890
	<b>FBM SUPPORT EQUIPMENT</b>					
101	STRATEGIC MISSILE SYSTEMS EQUIP .....	271,817	271,817	271,817		271,817
	<b>ASW SUPPORT EQUIPMENT</b>					
102	SSN COMBAT CONTROL SYSTEMS .....	129,501	124,001	129,501		129,501
	Excessive Unit Cost Growth for Install .....		[-5,500]			
103	ASW SUPPORT EQUIPMENT .....	19,436	19,436	19,436		19,436
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>					
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	14,258	14,258	14,258		14,258
105	ITEMS LESS THAN \$5 MILLION .....	5,378	5,378	5,378		5,378
	<b>OTHER EXPENDABLE ORDNANCE</b>					
106	SUBMARINE TRAINING DEVICE MODS .....	65,543	65,543	65,543		65,543

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
107	SURFACE TRAINING EQUIPMENT .....		230,425		230,425		230,425				230,425
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>										
108	PASSENGER CARRYING VEHICLES .....		4,867		4,867		4,867				4,867
109	GENERAL PURPOSE TRUCKS .....		2,674		2,674		2,674				2,674
110	CONSTRUCTION & MAINTENANCE EQUIP .....		20,994		20,994		20,994				20,994
111	FIRE FIGHTING EQUIPMENT .....		17,189		17,189		17,189				17,189
112	TACTICAL VEHICLES .....		19,916		19,916		19,916				19,916
113	AMPHIBIOUS EQUIPMENT .....		7,400		7,400		7,400				7,400
114	POLLUTION CONTROL EQUIPMENT .....		2,713		2,713		2,713				2,713
115	ITEMS UNDER \$5 MILLION .....		35,540		32,040		35,540				35,540
	Program decrease .....				[-3,500]						
116	PHYSICAL SECURITY VEHICLES .....		1,155		1,155		1,155				1,155
	<b>SUPPLY SUPPORT EQUIPMENT</b>										
117	SUPPLY EQUIPMENT .....		18,786		18,786		18,786				18,786
118	FIRST DESTINATION TRANSPORTATION .....		5,375		5,375		5,375				5,375
119	SPECIAL PURPOSE SUPPLY SYSTEMS .....		580,371		580,371		580,371				580,371
	<b>TRAINING DEVICES</b>										
120	TRAINING SUPPORT EQUIPMENT .....		3,400		3,400		3,400				3,400
121	TRAINING AND EDUCATION EQUIPMENT .....		24,283		22,183		24,283		-2,100		22,183
	Excess Production Support .....				[-2,100]				[-2,100]		
	<b>COMMAND SUPPORT EQUIPMENT</b>										
122	COMMAND SUPPORT EQUIPMENT .....		66,681		66,681		66,681				66,681
123	MEDICAL SUPPORT EQUIPMENT .....		3,352		3,352		3,352				3,352
125	NAVAL MIP SUPPORT EQUIPMENT .....		1,984		1,984		1,984				1,984
126	OPERATING FORCES SUPPORT EQUIPMENT .....		15,131		15,131		15,131				15,131
127	CAISR EQUIPMENT .....		3,576		3,576		3,576				3,576
128	ENVIRONMENTAL SUPPORT EQUIPMENT .....		31,902		31,902		31,902				31,902
129	PHYSICAL SECURITY EQUIPMENT .....		175,436		175,436		195,436		20,000		195,436
	New Navy port waterborne security barriers increase .....						[20,000]		[20,000]		
130	ENTERPRISE INFORMATION TECHNOLOGY .....		25,393		25,393		25,393				25,393
	<b>OTHER</b>										
133	NEXT GENERATION ENTERPRISE SERVICE .....		96,269		96,269		96,269				96,269
	<b>CLASSIFIED PROGRAMS</b>										

133A	CLASSIFIED PROGRAMS .....		15,681		15,681		15,681		15,681
	<b>SPARES AND REPAIR PARTS</b>								
134	SPARES AND REPAIR PARTS .....		326,838		326,838		326,838		326,838
	<b>TOTAL OTHER PROCUREMENT, NAVY .....</b>		<b>9,414,355</b>		<b>9,030,330</b>		<b>9,373,855</b>	<b>-101,292</b>	<b>9,313,063</b>
	<b>PROCUREMENT, MARINE CORPS</b>								
	<b>TRACKED COMBAT VEHICLES</b>								
001	AAV7A1 PIP .....		156,249		136,249		78,149		96,836
	Program reduction .....				[-20,000]		[-78,100]		[-59,413]
002	AMPHIBIOUS COMBAT VEHICLE 1.1 .....	30	167,478	30	167,478	30	167,478	30	167,478
003	LAV PIP .....		43,701		43,701		43,701		43,701
	<b>ARTILLERY AND OTHER WEAPONS</b>								
005	155MM LIGHTWEIGHT TOWED HOWITZER .....		47,158		47,158		47,158		47,158
006	ARTILLERY WEAPONS SYSTEM .....		134,246		134,246		134,246		134,246
007	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION .....		40,687		40,687		40,687		40,687
	<b>OTHER SUPPORT</b>								
008	MODIFICATION KITS .....		22,904		22,904		22,904		22,904
	<b>GUIDED MISSILES</b>								
009	GROUND BASED AIR DEFENSE .....		18,334		18,334		18,334		18,334
010	ANTI-ARMOR MISSILE-JAVELIN .....	5	3,020	5	3,020	5	3,020	5	3,020
011	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS) .....		13,760		13,760		13,760		13,760
012	ANTI-ARMOR MISSILE-TOW .....		59,702		59,702		59,702		59,702
	<b>COMMAND AND CONTROL SYSTEMS</b>								
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C) .....		35,467		35,467		35,467		35,467
	<b>REPAIR AND TEST EQUIPMENT</b>								
014	REPAIR AND TEST EQUIPMENT .....		46,081		41,481		46,081		45,656
	Program Reduction .....				[-4,600]				[-425]
	<b>OTHER SUPPORT (TEL)</b>								
015	MODIFICATION KITS .....		971		971		971		971
	<b>COMMAND AND CONTROL SYSTEM (NON-TEL)</b>								
016	ITEMS UNDER \$5 MILLION (COMM & ELEC) .....		69,203		62,203		69,203		67,360
	Program Reduction .....				[-7,000]				[-1,843]
017	AIR OPERATIONS C2 SYSTEMS .....		14,269		14,269		14,269		14,269
	<b>RADAR + EQUIPMENT (NON-TEL)</b>								
018	RADAR SYSTEMS .....		6,694		6,694		6,694		6,694
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	6	224,969	6	224,969	6	224,969	6	224,969
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>								
021	GCSS-MC .....		1,187		1,187		1,187		1,187
022	FIRE SUPPORT SYSTEM .....		60,189		60,189		60,189		60,189
023	INTELLIGENCE SUPPORT EQUIPMENT .....		73,848		67,848		73,848		73,848

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Unjustified request for TSCS Inc 1 .....				[-6,000]						
025	UNMANNED AIR SYSTEMS (INTEL) .....		3,848		3,848		3,848				3,848
026	DCGS-MC .....		16,081		16,081		16,081				16,081
	<b>OTHER SUPPORT (NON-TEL)</b>										
030	NEXT GENERATION ENTERPRISE NETWORK (NGEN) .....		87,120		87,120		87,120				87,120
031	COMMON COMPUTER RESOURCES .....		68,914		68,914		68,914				68,914
032	COMMAND POST SYSTEMS .....		124,838		124,838		99,870				124,838
	Operational limitations of NOTM .....						[-24,968]				
033	RADIO SYSTEMS .....		279,680		264,680		279,680		-15,000		264,680
	Program reduction .....				[-15,000]				[-15,000]		
034	COMM SWITCHING & CONTROL SYSTEMS .....		36,649		36,649		36,649				36,649
035	COMM & ELEC INFRASTRUCTURE SUPPORT .....		83,971		83,971		83,971				83,971
	<b>CLASSIFIED PROGRAMS</b>										
035A	CLASSIFIED PROGRAMS .....		3,626		3,626		3,626				3,626
	<b>ADMINISTRATIVE VEHICLES</b>										
036	COMMERCIAL CARGO VEHICLES .....		25,441		25,441		25,441				25,441
	<b>TACTICAL VEHICLES</b>										
037	MOTOR TRANSPORT MODIFICATIONS .....		11,392		11,392		11,392				11,392
038	JOINT LIGHT TACTICAL VEHICLE .....		607,011	214	676,011		607,011				607,011
	Optimize production profile .....			[214]	[69,000]						
039	FAMILY OF TACTICAL TRAILERS .....		2,393		2,393		2,393				2,393
040	TRAILERS .....		6,540		6,540		6,540				6,540
	<b>ENGINEER AND OTHER EQUIPMENT</b>										
041	ENVIRONMENTAL CONTROL EQUIP ASSORT .....		496		496		496				496
042	TACTICAL FUEL SYSTEMS .....		54		54		54				54
043	POWER EQUIPMENT ASSORTED .....		21,062		21,062		21,062				21,062
044	AMPHIBIOUS SUPPORT EQUIPMENT .....		5,290		5,290		5,290				5,290
045	EOD SYSTEMS .....		47,854		47,854		47,854				47,854
	<b>MATERIALS HANDLING EQUIPMENT</b>										
046	PHYSICAL SECURITY EQUIPMENT .....		28,306		28,306		28,306				28,306
	<b>GENERAL PROPERTY</b>										
047	FIELD MEDICAL EQUIPMENT .....		33,513		33,513		33,513				33,513
048	TRAINING DEVICES .....		52,040		52,040		41,632				52,040



SEC. 4101. PROCUREMENT  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
017	MQ-9 .....	8	221,707	10	264,507	14	341,707	6	120,000	14	341,707
	Increase to accelerate Advanced Battle Management System .....			[2]	[42,800]	[6]	[120,000]	[6]	[120,000]		
	<b>STRATEGIC AIRCRAFT</b>										
019	B-2A .....		60,301		37,301		60,301				60,301
	MOP modifications excess to need .....				[-23,000]						
020	B-1B .....		51,290		51,290		51,290				51,290
021	B-52 .....		105,519		90,819		100,719		-9,689		95,830
	Air Force requested realignment .....				[-14,700]		[-14,800]		[-14,759]		
	Airspace compliance funding ahead of need .....								[-1,954]		
	Bomber tactical data link ahead of need .....								[-2,976]		
	LRASM certification .....						[10,000]		[10,000]		
	<b>TACTICAL AIRCRAFT</b>										
023	A-10 .....		98,720		163,720		163,720		65,000		163,720
	Additional A-10 wing replacements .....				[65,000]		[65,000]		[65,000]		
024	C-130J .....		10,831		10,831		10,831				10,831
025	F-15 .....		548,109		548,109		548,109		-6,528		541,581
	APG-82 install cost growth .....								[-6,528]		
026	F-16 .....		324,323		324,323		324,323				324,323
027	F-22A .....		250,710		250,710		250,710				250,710
029	F-35 MODIFICATIONS .....		247,271		247,271		297,271				247,271
	F-35A Modifications increase .....						[50,000]				
030	F-15 EPAW .....		147,685		214,885		147,685		67,200		214,885
	Eagle Passive Active Warning and Survivability System (EPAWSS) .....				[67,200]				[67,200]		
031	INCREMENT 3.2B .....		9,007		9,007		9,007				9,007
033	KC-46A TANKER .....		8,547		8,547		8,547				8,547
	<b>AIRLIFT AIRCRAFT</b>										
034	C-5 .....		77,845		77,845		77,845		-6,010		71,835
	Mission computer and weather radar cost growth .....								[-6,010]		
036	C-17A .....		102,121		102,121		102,121				102,121
037	C-21 .....		17,516		17,516		17,516				17,516
038	C-32A .....		4,537		4,537		4,537				4,537
039	C-37A .....		419		419		419				419

<b>TRAINER AIRCRAFT</b>									
041	GLIDER MODS .....	137		137		137			137
042	T-6 .....	22,550		22,550		22,550			22,550
043	T-1 .....	21,952		21,952		21,952			21,952
044	T-38 .....	70,623		70,623		70,623			70,623
<b>OTHER AIRCRAFT</b>									
045	U-2 MODS .....	48,774		48,774		48,774			48,774
046	KC-10A (ATCA) .....	11,104		11,104		11,104			11,104
047	C-12 .....	4,900		4,900		4,900			4,900
048	VC-25A MOD .....	36,938		36,938		36,938			36,938
049	C-40 .....	251		251		251			251
050	C-130 .....	22,094		151,094		96,094	129,000		151,094
	Program Increase--eight blade propeller upgrade (88 kits) ...			[55,000]			[55,000]		
	Program Increase--engine enhancement program (88 kits) ...			[74,000]		[74,000]	[74,000]		
051	C-130J MODS .....	132,045		132,045		132,045			132,045
052	C-135 .....	113,076		113,076		113,076		-21,666	91,410
	Aero-I SATCOM ahead of need .....							[-21,666]	
053	OC-135B .....	5,913		5,913		5,913			5,913
054	COMPASS CALL MODS .....	49,885		49,885		49,885			49,885
055	COMBAT FLIGHT INSPECTION (CFIN) .....	499		499		499			499
056	RC-135 .....	394,532		394,532		394,532			394,532
057	E-3 .....	133,906		133,906		133,906		-17,041	116,865
	Electronic protection ahead of need .....							[-17,041]	
058	E-4 .....	67,858		67,858		67,858			67,858
059	E-8 .....	9,919		9,919		34,919	14,888		24,807
	Central Computer upgrade design .....					[25,000]	[14,888]		
060	AIRBORNE WARNING AND CNTR SYS (AWACS) 40/45 .....	57,780		57,780		57,780			57,780
061	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	14,293		14,293		14,293			14,293
062	H-1 .....	2,940		2,940		2,940			2,940
063	H-60 .....	55,466		55,466		55,466			55,466
064	RQ-4 MODS .....	23,715	1	128,715		23,715	1	105,000	128,715
	EQ-4 BACN aircraft increase .....		[1]	[105,000]			[1]	[105,000]	
065	HC/MC-130 MODIFICATIONS .....	37,754		37,754		37,754			37,754
066	OTHER AIRCRAFT .....	62,010		62,010		62,010			62,010
067	MQ-9 MODS .....	171,548		171,548		171,548			171,548
069	CV-22 MODS .....	60,416		60,416		60,416			60,416
<b>AIRCRAFT SPARES AND REPAIR PARTS</b>									
070	INITIAL SPARES/REPAIR PARTS .....	956,408		1,016,408		1,006,408		-91,000	865,408
	F-35A Spares .....			[60,000]				[42,000]	
	KC-46 spares ahead of need .....							[-133,000]	

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	<b>COMMON SUPPORT EQUIPMENT</b>										
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....		81,241		81,241		81,241				81,241
	<b>POST PRODUCTION SUPPORT</b>										
074	B-2A .....		1,763		1,763		1,763				1,763
075	B-2B .....		35,861		35,861		35,861				35,861
076	B-52 .....		12,819		12,819		12,819				12,819
077	C-17A .....		10,114		10,114		10,114				10,114
079	F-15 .....		2,545		2,545		2,545				2,545
081	F-16 .....		11,718		7,718		11,718		-4,200		7,518
	F-16 Line Shutdown .....				[-4,000]				[-4,200]		
082	F-22A .....		14,489		14,489		14,489				14,489
083	OTHER AIRCRAFT .....		9,928		9,928		9,928				9,928
084	RQ-4 POST PRODUCTION CHARGES .....		40,641		3,341		40,641				40,641
	RQ-4 Post Production Support .....				[-37,300]						
	<b>INDUSTRIAL PREPAREDNESS</b>										
086	INDUSTRIAL RESPONSIVENESS .....		17,378		17,378		17,378				17,378
	<b>WAR CONSUMABLES</b>										
088	WAR CONSUMABLES .....		29,342		29,342		29,342				29,342
	<b>OTHER PRODUCTION CHARGES</b>										
089	OTHER PRODUCTION CHARGES .....		1,502,386		1,393,386		1,502,386				1,502,386
	Classified program adjustment .....				[-109,000]						
	<b>CLASSIFIED PROGRAMS</b>										
093	CLASSIFIED PROGRAMS .....		28,278		28,278		28,278				28,278
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>143</b>	<b>16,206,937</b>	<b>141</b>	<b>15,533,421</b>	<b>147</b>	<b>16,620,737</b>	<b>7</b>	<b>310,857</b>	<b>150</b>	<b>16,517,794</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>										
	<b>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</b>										
001	MISSILE REPLACEMENT EQ-BALLISTIC .....		36,786		36,786		36,786		-18,720		18,066
	TERP delays .....								[-18,720]		
	<b>TACTICAL</b>										
002	JOINT AIR-SURFACE STANDOFF MISSILE .....	312	430,708	312	430,708	312	430,708		-13,000	312	417,708
	Forward financing support costs .....								[-13,000]		
003	LRASMO .....	12	44,185	12	44,185	15	54,385	3	10,200	15	54,385

	Restore reduction .....				[3]	[10,200]	[3]	[10,200]		
004	SIDEWINDER (AIM-9X) .....	256	121,253	256	121,253	256	121,253		256	121,253
005	AMRAAM .....	220	337,886	220	337,886	220	337,886		220	337,886
006	PREDATOR HELLFIRE MISSILE .....	1,338	113,765	1,338	113,765	1,338	113,765		1,338	113,765
007	SMALL DIAMETER BOMB .....	2,917	105,034	2,917	105,034	2,917	105,034		2,917	105,034
008	SMALL DIAMETER BOMB II .....	510	100,861	510	100,861	510	92,861		510	100,861
	Unit price adjustment .....						[-8,000]			
	<b>INDUSTRIAL FACILITIES</b>									
009	INDUSTR'L PREPAREDNS/POL PREVENTION .....		787		787		787			787
	<b>CLASS IV</b>									
010	ICBM FUZE MOD .....		15,767		15,767		15,767			15,767
011	ADVANCE PROCUREMENT (CY) .....		4,100		4,100		4,100			4,100
012	MM III MODIFICATIONS .....		129,199		129,199		129,199			129,199
013	AGM-65D MAVERICK .....		288		288		288			288
014	AIR LAUNCH CRUISE MISSILE (ALCM) .....		47,632		47,632		47,632			47,632
	<b>MISSILE SPARES AND REPAIR PARTS</b>									
016	REPLEN SPARES/REPAIR PARTS .....		97,481		97,481		97,481			97,481
	<b>SPECIAL PROGRAMS</b>									
018	SPECIAL UPDATE PROGRAMS .....		188,539		188,539		188,539			188,539
	<b>CLASSIFIED PROGRAMS</b>									
019	CLASSIFIED PROGRAMS .....		895,183		895,183		895,183			895,183
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE .....</b>	<b>5,565</b>	<b>2,669,454</b>	<b>5,565</b>	<b>2,669,454</b>	<b>5,568</b>	<b>2,671,654</b>	<b>3</b>	<b>-21,520</b>	<b>5,568</b>
	<b>SPACE PROCUREMENT, AIR FORCE</b>									
	<b>SPACE PROGRAMS</b>									
001	ADVANCED EHF .....		29,829		29,829		29,829			29,829
002	AF SATELLITE COMM SYSTEM .....		35,400		35,400		35,400			35,400
003	COUNTERSPACE SYSTEMS .....		1,121		1,121		1,121			1,121
004	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....		27,867		27,867		27,867			27,867
005	WIDEBAND GAFILLER SATELLITES(SPACE) .....		61,606		61,606		61,606			61,606
006	GENERAL INFORMATION TECH—SPACE .....		3,425		3,425		3,425			3,425
007	GPS III SPACE SEGMENT .....		69,386		74,386		69,386			69,386
	GPS backup technology demonstration .....				[5,000]					
008	GLOBAL POSITIONING (SPACE) .....		2,181		2,181		2,181			2,181
009	INTEG BROADCAST SERV .....		16,445		16,445		16,445			16,445
010	SPACEBORNE EQUIP (COMSEC) .....		31,895		31,895		31,895			31,895
012	MILSATCOM .....		11,265		11,265		11,265			11,265
013	EVOLVED EXPENDABLE LAUNCH CAPABILITY .....		709,981		709,981		709,981			709,981
014	EVOLVED EXPENDABLE LAUNCH VEH(SPACE) .....	5	994,555	5	994,555	5	994,555		5	994,555
015	SBIR HIGH (SPACE) .....		138,397		138,397		138,397			138,397

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
017	NUDET DETECTION SYSTEM .....		7,705		7,705		7,705				7,705
018	ROCKET SYSTEMS LAUNCH PROGRAM .....		47,609		47,609		47,609				47,609
019	SPACE FENCE .....		51,361		51,361		51,361				51,361
020	SPACE MODS .....		148,065		148,065		148,065				148,065
021	SPACELIFT RANGE SYSTEM SPACE .....		117,637		117,637		117,637				117,637
	<b>SSPARES</b>										
022	SPARES AND REPAIR PARTS .....		21,812		21,812		21,812				21,812
	<b>TOTAL SPACE PROCUREMENT, AIR FORCE .....</b>	<b>5</b>	<b>2,527,542</b>	<b>5</b>	<b>2,532,542</b>	<b>5</b>	<b>2,527,542</b>			<b>5</b>	<b>2,527,542</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>										
	<b>ROCKETS</b>										
001	ROCKETS .....		345,911		345,911		345,911				345,911
	<b>CARTRIDGES</b>										
002	CARTRIDGES .....		163,840		163,840		163,840				163,840
	<b>BOMBS</b>										
003	PRACTICE BOMBS .....		20,876		20,876		20,876				20,876
004	GENERAL PURPOSE BOMBS .....		259,308		259,308		259,308				259,308
005	MASSIVE ORDNANCE PENETRATOR (MOP) .....		38,111		38,111		38,111				38,111
006	JOINT DIRECT ATTACK MUNITION .....	7,899	234,198	7,899	234,198	7,899	234,198			7,899	234,198
007	B61 .....	250	109,292	250	109,292	250	109,292			250	109,292
008	ADVANCE PROCUREMENT (CY) .....		52,731		52,731		52,731				52,731
	<b>OTHER ITEMS</b>										
009	CAD/PAD .....		51,455		51,455		51,455				51,455
010	EXPLOSIVE ORDNANCE DISPOSAL (EOD) .....		6,038		6,038		6,038				6,038
011	SPARES AND REPAIR PARTS .....		524		524		524				524
012	MODIFICATIONS .....		1,270		1,270		1,270				1,270
013	ITEMS LESS THAN \$5,000,000 .....		4,604		4,604		4,604				4,604
	<b>FLARES</b>										
015	FLARES .....		125,286		122,286		125,286				125,286
	Program decrease .....				[-3,000]						
	<b>FUZES</b>										
016	FUZES .....		109,358		109,358		109,358				109,358
	<b>SMALL ARMS</b>										

017	SMALL ARMS .....	64,502	59,502	64,502		64,502
	Program decrease .....		[-5,000]			
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE .....</b>	<b>8,149</b>	<b>1,587,304</b>	<b>8,149</b>	<b>1,579,304</b>	<b>8,149</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>					
	<b>PASSENGER CARRYING VEHICLES</b>					
001	PASSENGER CARRYING VEHICLES .....	6,949	3,449	6,949		6,949
	Forward financed in the FY18 Omnibus .....		[-3,500]			
	<b>CARGO AND UTILITY VEHICLES</b>					
002	MEDIUM TACTICAL VEHICLE .....	36,002	18,002	36,002		36,002
	Forward financed in the FY18 Omnibus .....		[-18,000]			
003	CAP VEHICLES .....	1,022	1,022	1,022		1,022
004	CARGO AND UTILITY VEHICLES .....	42,696	21,696	49,879	3,997	46,693
	Forward financed in the FY18 Omnibus .....		[-21,000]			
	Procurement of 7 DABs for PACOM .....			(7,183)	(3,997)	
	<b>SPECIAL PURPOSE VEHICLES</b>					
005	JOINT LIGHT TACTICAL VEHICLE .....	30,145	30,145	30,145		30,145
006	SECURITY AND TACTICAL VEHICLES .....	1,230	1,230	3,903		1,230
	Procurement of 7 DABs for PACOM .....			(2,673)		
007	SPECIAL PURPOSE VEHICLES .....	43,003	22,003	53,693	10,690	53,693
	Forward financed in the FY18 Omnibus .....		[-21,000]			
	Procurement of 7 DABs for PACOM .....			(10,690)	(10,690)	
	<b>FIRE FIGHTING EQUIPMENT</b>					
008	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	23,328	23,328	32,308	8,980	32,308
	Procurement of 7 DABs for PACOM .....			(8,980)	(8,980)	
	<b>MATERIALS HANDLING EQUIPMENT</b>					
009	MATERIALS HANDLING VEHICLES .....	11,537	11,537	31,309	9,588	21,125
	Procurement of 7 DABs for PACOM .....			(19,772)	(9,588)	
	<b>BASE MAINTENANCE SUPPORT</b>					
010	RUNWAY SNOW REMOV AND CLEANING EQU .....	37,600	37,600	40,353	679	38,279
	Procurement of 7 DABs for PACOM .....			(2,753)	(679)	
011	BASE MAINTENANCE SUPPORT VEHICLES .....	104,923	52,923	104,923		104,923
	Forward financed in the FY18 Omnibus .....		[-52,000]			
	<b>COMM SECURITY EQUIPMENT(COMSEC)</b>					
012	COMSEC EQUIPMENT .....	114,372	114,372	114,372		114,372
	<b>INTELLIGENCE PROGRAMS</b>					
013	INTERNATIONAL INTEL TECH & ARCHITECTURES .....	8,290	8,290	8,290		8,290
014	INTELLIGENCE TRAINING EQUIPMENT .....	2,099	2,099	2,099		2,099
015	INTELLIGENCE COMM EQUIPMENT .....	37,415	37,415	37,415		37,415
	<b>ELECTRONICS PROGRAMS</b>					

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
016	AIR TRAFFIC CONTROL & LANDING SYS .....		57,937		14,387		57,937		-43,550		14,387
	D-RAPCON Cost Growth .....				[-43,550]				[-43,550]		
018	BATTLE CONTROL SYSTEM—FIXED .....		3,012		3,012		3,012				3,012
019	THEATER AIR CONTROL SYS IMPROVEMEN .....		19,989		19,989		19,989				19,989
020	WEATHER OBSERVATION FORECAST .....		45,020		45,020		45,020				45,020
021	STRATEGIC COMMAND AND CONTROL .....		32,836		32,836		32,836				32,836
022	CHEYENNE MOUNTAIN COMPLEX .....		12,454		12,454		12,454				12,454
023	MISSION PLANNING SYSTEMS .....		14,263		14,263		14,263				14,263
025	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN) .....		7,769		7,769		7,769				7,769
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>										
026	GENERAL INFORMATION TECHNOLOGY .....		40,450		40,450		40,450				40,450
027	AF GLOBAL COMMAND & CONTROL SYS .....		6,619		6,619		6,619				6,619
028	MOBILITY COMMAND AND CONTROL .....		10,192		10,192		10,192				10,192
029	AIR FORCE PHYSICAL SECURITY SYSTEM .....		159,313		143,413		161,315		-57,998		101,315
	Previously funded requirement .....				[-15,900]				[-60,000]		
	Procurement of 7 DABs for PACOM .....						[2,002]		[2,002]		
030	COMBAT TRAINING RANGES .....		132,675		132,675		132,675				132,675
031	MINIMUM ESSENTIAL EMERGENCY COMM N .....		140,875		140,875		140,875				140,875
032	WIDE AREA SURVEILLANCE (WAS) .....		92,104		92,104		92,104				92,104
033	C3 COUNTERMEASURES .....		45,152		45,152		45,152				45,152
034	GCSS-AF FOS .....		483		483		483				483
035	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS .....		802		802		802				802
036	MAINTENANCE REPAIR & OVERHAUL INITIATIVE .....		12,207		12,207		12,207				12,207
037	THEATER BATTLE MGT C2 SYSTEM .....		7,644		7,644		7,644				7,644
038	AIR & SPACE OPERATIONS CENTER (AOC) .....		40,066		40,066		40,066				40,066
	<b>AIR FORCE COMMUNICATIONS</b>										
041	BASE INFORMATION TRANSPT INFRAST (BITI) WIRED .....		22,357		22,357		22,357				22,357
042	AFNET .....		102,836		102,836		102,836		-20,000		82,836
	Prior year carryover .....								[-20,000]		
043	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....		3,145		3,145		3,145				3,145
044	USCENTCOM .....		13,194		13,194		13,194				13,194
	<b>ORGANIZATION AND BASE</b>										
045	TACTICAL C-E EQUIPMENT .....		161,231		161,231		161,231				161,231

047	RADIO EQUIPMENT .....	12,142	12,142	12,142		12,142
048	CCTV/AUDIOVISUAL EQUIPMENT .....	6,505	6,505	6,505	-3,250	3,255
	Carryover .....				[-3,250]	
049	BASE COMM INFRASTRUCTURE .....	169,404	169,404	169,404		169,404
	<b>MODIFICATIONS</b>					
050	COMM ELECT MODS .....	10,654	10,654	10,654		10,654
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>					
051	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	51,906	51,906	51,906		51,906
	<b>DEPOT PLANT+MTRLS HANDLING EQ</b>					
052	MECHANIZED MATERIAL HANDLING EQUIP .....	88,298	80,798	88,298		88,298
	Program reduction .....		[-7,500]			
	<b>BASE SUPPORT EQUIPMENT</b>					
053	BASE PROCURED EQUIPMENT .....	17,031	22,031	17,031		17,031
	Civil Engineers Construction, Surveying, and Mapping Equip- ment.		[5,000]			
054	ENGINEERING AND EOD EQUIPMENT .....	82,635	82,635	82,635		82,635
055	MOBILITY EQUIPMENT .....	9,549	6,549	9,549		9,549
	Program reduction .....		[-3,000]			
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....	24,005	17,005	48,048	11,328	35,333
	Procurement of 7 DABs for PACOM .....			[24,043]	[11,328]	
	Program reduction .....		[-7,000]			
	<b>SPECIAL SUPPORT PROJECTS</b>					
058	DARP RC135 .....	26,262	26,262	26,262		26,262
059	DCGS-AF .....	448,290	400,490	448,290	-69,800	378,490
	Forward financed in the FY18 Omnibus .....		[-47,800]		[-69,800]	
061	SPECIAL UPDATE PROGRAM .....	913,813	913,813	913,813		913,813
	<b>CLASSIFIED PROGRAMS</b>					
062	CLASSIFIED PROGRAMS .....	17,258,069	17,258,069	17,258,069		17,258,069
	<b>SPARES AND REPAIR PARTS</b>					
063	SPARES AND REPAIR PARTS .....	86,365	86,365	86,365		86,365
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....	<b>20,890,164</b>	<b>20,654,914</b>	<b>20,968,260</b>	<b>-149,336</b>	<b>20,740,828</b>
	<b>PROCUREMENT, DEFENSE-WIDE</b>					
	<b>MAJOR EQUIPMENT, OSD</b>					
043	MAJOR EQUIPMENT, OSD .....	35,295	35,295	35,295		35,295
	<b>MAJOR EQUIPMENT, NSA</b>					
042	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) .....	5,403	5,403	5,403		5,403
	<b>MAJOR EQUIPMENT, WHS</b>					
046	MAJOR EQUIPMENT, WHS .....	497	497	497		497
	<b>MAJOR EQUIPMENT, DISA</b>					

SEC. 4101. PROCUREMENT  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
007	INFORMATION SYSTEMS SECURITY .....		21,590		21,590		41,590				21,590
	Sharkseer .....						(20,000)				
008	TELEPORT PROGRAM .....		33,905		33,905		33,905				33,905
009	ITEMS LESS THAN \$5 MILLION .....		27,886		27,886		27,886				27,886
010	NET CENTRIC ENTERPRISE SERVICES (NCES) .....		1,017		1,017		1,017				1,017
011	DEFENSE INFORMATION SYSTEM NETWORK .....		150,674		150,674		150,674				150,674
013	WHITE HOUSE COMMUNICATION AGENCY .....		94,610		94,610		94,610				94,610
014	SENIOR LEADERSHIP ENTERPRISE .....		197,246		197,246		197,246				197,246
015	JOINT REGIONAL SECURITY STACKS (JRSS) .....		140,338		140,338		140,338				140,338
016	JOINT SERVICE PROVIDER .....		107,182		107,182		87,682		-6,740		100,442
	General reduction .....						(-19,500)		(-6,740)		
	<b>MAJOR EQUIPMENT, DLA</b>										
018	MAJOR EQUIPMENT .....		5,225		5,225		5,225				5,225
	<b>MAJOR EQUIPMENT, DSS</b>										
021	MAJOR EQUIPMENT .....		1,196		1,196		1,196				1,196
	<b>MAJOR EQUIPMENT, DCAA</b>										
001	ITEMS LESS THAN \$5 MILLION .....		2,542		2,542		2,542				2,542
	<b>MAJOR EQUIPMENT, TJS</b>										
044	MAJOR EQUIPMENT, TJS .....		4,360		4,360		4,360				4,360
045	MAJOR EQUIPMENT, TJS—CE2T2 .....		904		904		904				904
	<b>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</b>										
026	THAAD .....	82	874,068	82	874,068	82	874,068				82
027	GROUND BASED MIDCOURSE .....	14	409,000	14	409,000	14	409,000				14
028	ADVANCE PROCUREMENT (CY) .....		115,000		115,000		115,000				
029	AEGIS BMD .....	43	593,488	43	593,488	43	593,488				43
030	ADVANCE PROCUREMENT (CY) .....		115,206		115,206		115,206				
031	BMDS AN/TPY-2 RADARS .....		13,185		13,185		13,185				
032	ISRAELI PROGRAMS .....		80,000		80,000		80,000				
033	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD) .....		50,000		50,000		50,000				
034	AEGIS ASHORE PHASE III .....		15,000		15,000		15,000				
035	IRON DOME .....		70,000		70,000		70,000				
036	AEGIS BMD HARDWARE AND SOFTWARE .....	28	97,057	28	97,057	28	97,057				28
	<b>MAJOR EQUIPMENT, DHRA</b>										

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003	PERSONNEL ADMINISTRATION .....	10,630	10,630	10,630		10,630
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>					
023	VEHICLES .....	207	207	207		207
024	OTHER MAJOR EQUIPMENT .....	5,592	5,592	5,592		5,592
	<b>MAJOR EQUIPMENT, DODEA</b>					
020	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS .....	1,723	1,723	1,723		1,723
	<b>MAJOR EQUIPMENT, DCMA</b>					
002	MAJOR EQUIPMENT .....	3,873	3,873	3,873		3,873
	<b>MAJOR EQUIPMENT, DMACT</b>					
019	MAJOR EQUIPMENT .....	13,106	13,106	13,106		13,106
	<b>CLASSIFIED PROGRAMS</b>					
046A	CLASSIFIED PROGRAMS .....	589,691	589,691	589,691		589,691
	<b>AVIATION PROGRAMS</b>					
050	ROTARY WING UPGRADES AND SUSTAINMENT .....	148,351	148,351	148,351		148,351
051	UNMANNED ISR .....	57,708	57,708	57,708		57,708
052	NON-STANDARD AVIATION .....	18,731	18,731	18,731		18,731
053	U-28 .....	32,301	32,301	32,301		32,301
054	MH-47 CHINOOK .....	131,033	131,033	131,033		131,033
055	CV-22 MODIFICATION .....	32,529	32,529	32,529		32,529
056	MQ-9 UNMANNED AERIAL VEHICLE .....	24,621	24,621	24,621		24,621
057	PRECISION STRIKE PACKAGE .....	226,965	226,965	226,965		226,965
058	AC/MC-130J .....	165,813	160,813	165,813	-5,000	160,813
	Program decrease .....		[-5,000]		[-5,000]	
059	C-130 MODIFICATIONS .....	80,274	80,274	80,274		80,274
	<b>SHIPBUILDING</b>					
060	UNDERWATER SYSTEMS .....	136,723	136,723	136,723		136,723
	<b>AMMUNITION PROGRAMS</b>					
061	ORDNANCE ITEMS <\$5M .....	357,742	357,742	357,742		357,742
	<b>OTHER PROCUREMENT PROGRAMS</b>					
062	INTELLIGENCE SYSTEMS .....	85,699	85,699	85,699		85,699
063	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	17,863	17,863	17,863		17,863
064	OTHER ITEMS <\$5M .....	112,117	112,117	112,117		112,117
065	COMBATANT CRAFT SYSTEMS .....	7,313	7,313	7,313		7,313
066	SPECIAL PROGRAMS .....	14,026	14,026	14,026		14,026
067	TACTICAL VEHICLES .....	88,608	88,608	88,608	-3,000	85,608
	Non-standard vehicles program decrease .....				[-3,000]	
068	WARRIOR SYSTEMS <\$5M .....	438,590	433,390	438,590	-10,200	428,390
	Link 16 handheld radios for USSOCOM .....		[12,800]		[12,800]	
	SAT Deployable Node .....		[-18,000]		[-18,000]	
069	COMBAT MISSION REQUIREMENTS .....	19,408	19,408	19,408		19,408

SEC. 4101. PROCUREMENT (In Thousands of Dollars)											
Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
070	GLOBAL VIDEO SURVEILLANCE ACTIVITIES .....		6,281		6,281		6,281				6,281
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....		18,509		18,509		18,509				18,509
073	OPERATIONAL ENHANCEMENTS .....		367,433		367,433		367,433				367,433
	<b>CBDP</b>										
074	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS .....		166,418		153,618		166,418				166,418
	Program decrease .....				[-12,800]						
075	CB PROTECTION & HAZARD MITIGATION .....		144,519		144,519		144,519				144,519
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE .....</b>	<b>167</b>	<b>6,786,271</b>	<b>167</b>	<b>6,763,271</b>	<b>167</b>	<b>6,786,771</b>		<b>-24,940</b>	<b>167</b>	<b>6,761,331</b>
	<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>										
	<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>										
001	JOINT URGENT OPERATIONAL NEEDS FUND .....		100,025				100,025		-100,025		
	Program decrease .....				[-100,025]				[-100,025]		
	<b>TOTAL JOINT URGENT OPERATIONAL NEEDS FUND .....</b>		<b>100,025</b>				<b>100,025</b>		<b>-100,025</b>		
	<b>TOTAL PROCUREMENT .....</b>	<b>30,077</b>	<b>130,526,043</b>	<b>52,252</b>	<b>133,573,192</b>	<b>28,915</b>	<b>131,998,763</b>	<b>21,796</b>	<b>1,752,334</b>	<b>51,873</b>	<b>132,278,377</b>

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS.**

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>AIRCRAFT PROCUREMENT, ARMY</b>											
<b>FIXED WING</b>											
003	MQ-1 UAV .....	6	60,000	6	60,000	6	60,000			6	60,000
<b>ROTARY</b>											
011	UH-60 BLACKHAWK M MODEL (MYP) .....	1	21,246	1	21,246	1	21,246			1	21,246
014	CH-47 HELICOPTER .....	2	25,000	2	25,000	2	25,000			2	25,000
<b>MODIFICATION OF AIRCRAFT</b>											
017	MQ-1 PAYLOAD (MIP) .....		11,400		11,400		11,400				11,400
019	GRAY EAGLE MODS2 .....		32,000		32,000		32,000				32,000
020	MULTI SENSOR ABN RECON (MIP) .....		51,000		51,000		51,000				51,000
032	RQ-7 UAV MODS .....		50,868				50,868				50,868
	Realignment of EDI APS Unit Set from OCO to Base .....				[-50,868]						
033	UAS MODS .....		3,402				3,402				3,402
	Realignment of EDI APS Unit Set from OCO to Base .....				[-3,402]						
<b>GROUND SUPPORT AVIONICS</b>											
036	CMWS .....		84,387		84,387		84,387				84,387
037	COMMON INFRARED COUNTERMEASURES (CIRCM) .....		24,060		24,060		24,060				24,060
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY .....</b>	<b>9</b>	<b>363,363</b>	<b>9</b>	<b>309,093</b>	<b>9</b>	<b>363,363</b>			<b>9</b>	<b>363,363</b>
<b>MISSILE PROCUREMENT, ARMY</b>											
<b>SURFACE-TO-AIR MISSILE SYSTEM</b>											
002	MSE MISSILE .....	61	260,000	61		61	260,000			61	260,000
	Realignment of EDI APS Unit Set from OCO to Base .....				[-260,000]						
<b>AIR-TO-SURFACE MISSILE SYSTEM</b>											
005	HELLFIRE SYS SUMMARY .....	2,684	255,040	2,684	255,040	2,684	255,040			2,684	255,040
<b>ANTI-TANK/ASSAULT MISSILE SYS</b>											
008	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	75	31,120	75	17,320	75	31,120			75	31,120
	Realignment of EDI APS Unit Set from OCO to Base .....				[-13,800]						
011	GUIDED MLRS ROCKET (GMLRS) .....	7,584	624,500	7,584	624,500	7,584	624,500			7,584	624,500
013	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS) .....	24	171,138	24		24	171,138			24	171,138

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Realignment of EDI APS Unit Set from OCO to Base .....										
014	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS) .....	1,318	112,973	1,318	112,973	1,318	112,973			1,318	112,973
	<b>MODIFICATIONS</b>										
016	ATACMS MODS .....		225,580		145,580		225,580				225,580
	Realignment of EDI APS Unit Set from OCO to Base .....										
021	MLRS MODS .....		122,000				122,000				122,000
	Realignment of EDI APS Unit Set from OCO to Base .....										
	<b>TOTAL MISSILE PROCUREMENT, ARMY .....</b>	<b>11,746</b>	<b>1,802,351</b>	<b>11,746</b>	<b>1,155,413</b>	<b>11,746</b>	<b>1,802,351</b>			<b>11,746</b>	<b>1,802,351</b>
	<b>PROCUREMENT OF W&amp;TCV, ARMY</b>										
	<b>TRACKED COMBAT VEHICLES</b>										
001	BRADLEY PROGRAM .....	61	205,000	61		61	205,000			61	205,000
	Realignment of EDI APS Unit Set from OCO to Base .....										
002	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	66	230,359	66		66	230,359			66	230,359
	Realignment of EDI APS Unit Set from OCO to Base .....										
	<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>										
006	BRADLEY PROGRAM (MOD) .....		50,000				50,000				50,000
	Realignment of EDI APS Unit Set from OCO to Base .....										
008	PALADIN INTEGRATED MANAGEMENT (PIM) .....	6	67,000	6		6	67,000			6	67,000
	Realignment of EDI APS Unit Set from OCO to Base .....										
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	12	42,354	12		12	42,354			12	42,354
	Realignment of EDI APS Unit Set from OCO to Base .....										
014	M1 ABRAMS TANK (MOD) .....		34,000				34,000				34,000
	Realignment of EDI APS Unit Set from OCO to Base .....										
015	ABRAMS UPGRADE PROGRAM .....	40	455,000	40		40	455,000			40	455,000
	Realignment of EDI APS Unit Set from OCO to Base .....										
	<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>										
018	M240 MEDIUM MACHINE GUN (7.62MM) .....		126				126				126
	Realignment of EDI APS Unit Set from OCO to Base .....										
022	MORTAR SYSTEMS .....		11,842				11,842				11,842
	Realignment of EDI APS Unit Set from OCO to Base .....										
025	CARBINE .....		1,800				1,800				1,800
	Realignment of EDI APS Unit Set from OCO to Base .....										

027	COMMON REMOTELY OPERATED WEAPONS STATION .....	3,378				3,378		3,378
	Realignment of EDI APS Unit Set from OCO to Base .....				[-3,378]			
	<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>							
032	M2 50 CAL MACHINE GUN MODS .....	4,920				4,920		4,920
	Realignment of EDI APS Unit Set from OCO to Base .....				[-4,920]			
034	M240 MEDIUM MACHINE GUN MODS .....	7				7		7
	Realignment of EDI APS Unit Set from OCO to Base .....				[-7]			
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>							
039	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	1,397				1,397		1,397
	Realignment of EDI APS Unit Set from OCO to Base .....				[-1,397]			
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY .....</b>	<b>185</b>	<b>1,107,183</b>	<b>185</b>	<b>11,662</b>	<b>185</b>	<b>1,107,183</b>	<b>185 1,107,183</b>
	<b>PROCUREMENT OF AMMUNITION, ARMY</b>							
	<b>SMALL/MEDIUM CAL AMMUNITION</b>							
001	CTG, 5.56MM, ALL TYPES .....	3,392				3,392		3,392
	Realignment of EDI APS Unit Set from OCO to Base .....				[-3,392]			
002	CTG, 7.62MM, ALL TYPES .....	40				40		40
	Realignment of EDI APS Unit Set from OCO to Base .....				[-40]			
003	CTG, HANDGUN, ALL TYPES .....	17				17		17
	Realignment of EDI APS Unit Set from OCO to Base .....				[-17]			
004	CTG, .50 CAL, ALL TYPES .....	189				189		189
	Realignment of EDI APS Unit Set from OCO to Base .....				[-189]			
005	CTG, 20MM, ALL TYPES .....	1,605			1,605	1,605		1,605
007	CTG, 30MM, ALL TYPES .....	25,000				25,000		25,000
	Realignment of EDI APS Unit Set from OCO to Base .....				[-25,000]			
	<b>MORTAR AMMUNITION</b>							
009	60MM MORTAR, ALL TYPES .....	218				218		218
	Realignment of EDI APS Unit Set from OCO to Base .....				[-218]			
010	81MM MORTAR, ALL TYPES .....	484				484		484
	Realignment of EDI APS Unit Set from OCO to Base .....				[-484]			
	<b>ARTILLERY AMMUNITION</b>							
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....	79,400				79,400		79,400
	Realignment of EDI APS Unit Set from OCO to Base .....				[-79,400]			
015	PROJ 155MM EXTENDED RANGE M982 .....	973	72,985	973	21,285	973	72,985	973 72,985
	Realignment of EDI APS Unit Set from OCO to Base .....				[-51,700]			
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL .....	63,900			15,000	63,900		63,900
	Realignment of EDI APS Unit Set from OCO to Base .....				[-48,900]			
	<b>ROCKETS</b>							
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	22,242			20,000	22,242		22,242
	Realignment of EDI APS Unit Set from OCO to Base .....				[-2,242]			

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
019	ROCKET, HYDRA 70, ALL TYPES .....		39,974		39,974		39,974				39,974
	<b>OTHER AMMUNITION</b>										
021	DEMOLITION MUNITIONS, ALL TYPES .....		5				5				5
	Realignment of EDI APS Unit Set from OCO to Base .....				[-5]						
022	GRENADES, ALL TYPES .....		8				8				8
	Realignment of EDI APS Unit Set from OCO to Base .....				[-8]						
	<b>MISCELLANEOUS</b>										
027	ITEMS LESS THAN \$5 MILLION (AMMO) .....		66				66				66
	Realignment of EDI APS Unit Set from OCO to Base .....				[-66]						
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY .....</b>	<b>973</b>	<b>309,525</b>	<b>973</b>	<b>97,864</b>	<b>973</b>	<b>309,525</b>			<b>973</b>	<b>309,525</b>
	<b>OTHER PROCUREMENT, ARMY</b>										
	<b>TACTICAL VEHICLES</b>										
002	SEMITRAILERS, FLATBED: .....		8,000				8,000				8,000
	Realignment of EDI APS Unit Set from OCO to Base .....				[-8,000]						
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4 .....		20,770				20,770				20,770
	Realignment of EDI APS Unit Set from OCO to Base .....				[-20,770]						
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....	596	115,400	596		596	115,400			596	115,400
	Realignment of EDI APS Unit Set from OCO to Base .....				[-115,400]						
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV .....		6,682				6,682				6,682
	Realignment of EDI APS Unit Set from OCO to Base .....				[-6,682]						
013	TACTICAL WHEELED VEHICLE PROTECTION KITS .....		50,000				50,000				50,000
	Realignment of EDI APS Unit Set from OCO to Base .....				[-50,000]						
014	MODIFICATION OF IN SVC EQUIP .....		186,377				186,377				186,377
	Realignment of EDI APS Unit Set from OCO to Base .....				[-377]						
	<b>COMM—SATELLITE COMMUNICATIONS</b>										
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....		7,100		7,100		7,100				7,100
	<b>COMM—COMBAT COMMUNICATIONS</b>										
037	JOINT TACTICAL RADIO SYSTEM .....		1,560				1,560				1,560
	Realignment of EDI APS Unit Set from OCO to Base .....				[-1,560]						
042	TRACTOR RIDE .....		13,190		13,190		13,190				13,190
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM .....		9,549		9,549		9,549				9,549
047	COTS COMMUNICATIONS EQUIPMENT .....		22,000				22,000				22,000

	Realignment of EDI APS Unit Set from OCO to Base .....		[-22,000]		
	<b>COMM—INTELLIGENCE COMM</b>				
050	CI AUTOMATION ARCHITECTURE (MIP) .....	9,800	9,800	9,800	9,800
	<b>INFORMATION SECURITY</b>				
055	COMMUNICATIONS SECURITY (COMSEC) .....	3		3	3
	Realignment of EDI APS Unit Set from OCO to Base .....		[-3]		
	<b>COMM—LONG HAUL COMMUNICATIONS</b>				
059	BASE SUPPORT COMMUNICATIONS .....	690	690	690	690
	<b>COMM—BASE COMMUNICATIONS</b>				
060	INFORMATION SYSTEMS .....	8,750	8,750	8,750	8,750
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	60,337	51,287	60,337	60,337
	Realignment of EDI APS Unit Set from OCO to Base .....		[-9,050]		
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>				
068	DCGS-A (MIP) .....	37,806	37,806	37,806	37,806
070	TROJAN (MIP) .....	6,926	6,326	6,926	6,926
	Realignment of EDI APS Unit Set from OCO to Base .....		[-600]		
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) .....	2,011	2,011	2,011	2,011
075	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP) .....	5,370	5,370	5,370	5,370
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>				
080	CREW .....	42,651	42,651	42,651	42,651
081	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP) .....	20,050	25,450	20,050	20,050
	SOUTHCOM UFR: CENTAM Maritime Sensor .....		[3,600]		
	SOUTHCOM UFR: SIGINT Suite COMSAT RF .....		[1,800]		
082	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES .....	12,974	12,974	12,974	12,974
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>				
085	NIGHT VISION DEVICES .....	463	377	463	463
	Realignment of EDI APS Unit Set from OCO to Base .....		[-86]		
086	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM .....	2,861		2,861	2,861
	Realignment of EDI APS Unit Set from OCO to Base .....		[-2,861]		
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF .....	60	60	60	60
088	RADIATION MONITORING SYSTEMS .....	11		11	11
	Realignment of EDI APS Unit Set from OCO to Base .....		[-11]		
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS .....	251,062	250,800	251,062	251,062
	Realignment of EDI APS Unit Set from OCO to Base .....		[-262]		
091	FAMILY OF WEAPON SIGHTS (FWS) .....	525		525	525
	Realignment of EDI APS Unit Set from OCO to Base .....		[-525]		
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....	26,146		26,146	26,146
	Realignment of EDI APS Unit Set from OCO to Base .....		[-26,146]		
096	MOD OF IN-SVC EQUIP (LLDR) .....	4,050		4,050	4,050
	Realignment of EDI APS Unit Set from OCO to Base .....		[-4,050]		

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
097	COMPUTER BALLISTICS: LHMCB XM32 .....		960		960		960				960
098	MORTAR FIRE CONTROL SYSTEM .....		7,660		7,660		7,660				7,660
099	COUNTERFIRE RADARS .....		165,200		165,200		165,200				165,200
	<b>ELECT EQUIP—AUTOMATION</b>										
112	AUTOMATED DATA PROCESSING EQUIP .....		28,475		28,475		28,475				28,475
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>										
121	PROTECTIVE SYSTEMS .....		27						27		27
	Realignment of EDI APS Unit Set from OCO to Base .....										[-27]
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE) .....		20,200		20,200		20,200				20,200
123	BASE DEFENSE SYSTEMS (BDS) .....		39,200		39,200		39,200				39,200
124	CBRN DEFENSE .....		2,317		2,000		2,317				2,317
	Realignment of EDI APS Unit Set from OCO to Base .....										[-317]
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>										
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS) .....		16,000		16,000		16,000				16,000
130	AREA MINE DETECTION SYSTEM (AMDS) .....		1				1				1
	Realignment of EDI APS Unit Set from OCO to Base .....										[-1]
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS) .....		4,850		4,850		4,850				4,850
136	REMOTE DEMOLITION SYSTEMS .....		1				1				1
	Realignment of EDI APS Unit Set from OCO to Base .....										[-1]
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>										
139	HEATERS AND ECU'S .....		270		270		270				270
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....		4,300		4,300		4,300				4,300
142	GROUND SOLDIER SYSTEM .....		1,725		1,725		1,725				1,725
144	FORCE PROVIDER .....		55,800		55,800		55,800				55,800
145	FIELD FEEDING EQUIPMENT .....		1,035		1,035		1,035				1,035
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....		1,980		1,980		1,980				1,980
	<b>MEDICAL EQUIPMENT</b>										
151	COMBAT SUPPORT MEDICAL .....		17,527		17,527		17,527				17,527
	<b>MAINTENANCE EQUIPMENT</b>										
153	ITEMS LESS THAN \$5.0M (MAINT EQ) .....		268				268				268
	Realignment of EDI APS Unit Set from OCO to Base .....										[-268]
	<b>CONSTRUCTION EQUIPMENT</b>										
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) .....		25,700		25,700		25,700				25,700

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	<b>GENERATORS</b>								
165	GENERATORS AND ASSOCIATED EQUIP .....	569		569		569		569	
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>								
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	9,495				9,495		9,495	
	Realignment of EDI APS Unit Set from OCO to Base .....				[-9,495]				
	<b>OTHER SUPPORT EQUIPMENT</b>								
176	M25 STABILIZED BINOCULAR .....	33				33		33	
	Realignment of EDI APS Unit Set from OCO to Base .....				[-33]				
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT .....	18,000		18,000		18,000		18,000	
178	PHYSICAL SECURITY SYSTEMS (OPA3) .....	6,000		6,000		6,000		6,000	
179	BASE LEVEL COMMON EQUIPMENT .....	2,080		2,080		2,080		2,080	
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....	19,200		19,200		19,200		19,200	
	<b>TOTAL OTHER PROCUREMENT, ARMY .....</b>	<b>596</b>	<b>1,382,047</b>	<b>596</b>	<b>1,108,922</b>	<b>596</b>	<b>1,382,047</b>	<b>596</b>	<b>1,382,047</b>
	<b>AIRCRAFT PROCUREMENT, NAVY</b>								
	<b>OTHER AIRCRAFT</b>								
025	STUASLO UAV .....	35,065		35,065		35,065		35,065	
	<b>MODIFICATION OF AIRCRAFT</b>								
032	SH-60 SERIES .....	4,858		4,858		4,858		4,858	
034	EP-3 SERIES .....	5,380		5,380		5,380		5,380	
044	SPECIAL PROJECT AIRCRAFT .....	2,165		2,165		2,165		2,165	
049	COMMON ECM EQUIPMENT .....	9,820		9,820		9,820		9,820	
051	COMMON DEFENSIVE WEAPON SYSTEM .....	3,206		3,206		3,206		3,206	
061	QRC .....	2,410		2,410		2,410		2,410	
063	RQ-21 SERIES .....	17,215		17,215		17,215		17,215	
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY .....</b>	<b>80,119</b>		<b>80,119</b>		<b>80,119</b>		<b>80,119</b>	
	<b>WEAPONS PROCUREMENT, NAVY</b>								
	<b>STRATEGIC MISSILES</b>								
003	TOMAHAWK .....					82,800			
	Buy-back Tomahawk .....					[82,800]			
	<b>TACTICAL MISSILES</b>								
004	AMRAAM .....	1	1,183	1	1,183	1	1,183	1	1,183
005	SIDEWINDER .....	1	381	1	381	1	381	1	381
012	HELLFIRE .....	23	1,530	23	1,530	23	1,530	23	1,530
015	AERIAL TARGETS .....		6,500		6,500		6,500		6,500
	<b>GUNS AND GUN MOUNTS</b>								
035	SMALL ARMS AND WEAPONS .....		1,540		1,540		1,540		1,540
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>								
038	GUN MOUNT MODS .....		3,000		3,000		3,000		3,000

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	<b>TOTAL WEAPONS PROCUREMENT, NAVY</b> .....	25	14,134	25	14,134	25	96,934			25	14,134
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>										
	<b>NAVY AMMUNITION</b>										
001	GENERAL PURPOSE BOMBS .....		62,530		62,530		62,530				62,530
002	JDAM .....	3,906	93,019	3,906	93,019	3,906	93,019			3,906	93,019
003	AIRBORNE ROCKETS, ALL TYPES .....		2,163		2,163		2,163				2,163
004	MACHINE GUN AMMUNITION .....		5,000		5,000		5,000				5,000
006	CARTRIDGES & CART ACTUATED DEVICES .....		5,334		5,334		5,334				5,334
007	AIR EXPENDABLE COUNTERMEASURES .....		36,580		36,580		36,580				36,580
008	JATOS .....		747		747		747				747
011	OTHER SHIP GUN AMMUNITION .....		2,538		2,538		2,538				2,538
013	PYROTECHNIC AND DEMOLITION .....		1,807		1,807		1,807				1,807
015	AMMUNITION LESS THAN \$5 MILLION .....		2,229		2,229		229		-2,000		229
	Excess balances .....						[-2,000]		[-2,000]		
	<b>MARINE CORPS AMMUNITION</b>										
019	MORTARS .....		2,018		2,018		2,018				2,018
021	DIRECT SUPPORT MUNITIONS .....		632		632		632				632
022	INFANTRY WEAPONS AMMUNITION .....		779		779		779				779
026	COMBAT SUPPORT MUNITIONS .....		164		164		164				164
029	ARTILLERY MUNITIONS .....		31,001		31,001		31,001				31,001
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</b> .....	3,906	246,541	3,906	246,541	3,906	244,541		-2,000	3,906	244,541
	<b>OTHER PROCUREMENT, NAVY</b>										
	<b>OTHER SHIPBOARD EQUIPMENT</b>										
021	UNDERWATER EOD PROGRAMS .....		9,200		9,200		9,200				9,200
	<b>SMALL BOATS</b>										
028	STANDARD BOATS .....		19,060		19,060		19,060				19,060
	<b>ASW ELECTRONIC EQUIPMENT</b>										
043	FIXED SURVEILLANCE SYSTEM .....		56,950		56,950		56,950				56,950
	<b>SATELLITE COMMUNICATIONS</b>										
077	SATELLITE COMMUNICATIONS SYSTEMS .....		3,200		3,200		3,200				3,200
	<b>CRYPTOLOGIC EQUIPMENT</b>										

082	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	2,000	2,000	2,000	2,000				
	<b>SONOBUOYS</b>								
088	SONOBUOYS—ALL TYPES .....	21,156	21,156	21,156	21,156				
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>								
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	33,580	33,580	33,580	33,580	-3,000			30,580
	JCREW CUAS unit cost growth .....					[-3,000]			
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>								
108	PASSENGER CARRYING VEHICLES .....	170	170	170	170				170
109	GENERAL PURPOSE TRUCKS .....	400	400	400	400				400
111	FIRE FIGHTING EQUIPMENT .....	770	770	770	770				770
112	TACTICAL VEHICLES .....	7,298	7,298	7,298	7,298				7,298
	<b>SUPPLY SUPPORT EQUIPMENT</b>								
118	FIRST DESTINATION TRANSPORTATION .....	500	500	500	500				500
	<b>COMMAND SUPPORT EQUIPMENT</b>								
123	MEDICAL SUPPORT EQUIPMENT .....	6,500	6,500	6,500	6,500				6,500
128	ENVIRONMENTAL SUPPORT EQUIPMENT .....	2,200	2,200	2,200	2,200				2,200
129	PHYSICAL SECURITY EQUIPMENT .....	19,389	19,389	19,389	19,389				19,389
	<b>CLASSIFIED PROGRAMS</b>								
133A	CLASSIFIED PROGRAMS .....	4,800	4,800	4,800	4,800				4,800
	<b>TOTAL OTHER PROCUREMENT, NAVY</b> .....	<b>187,173</b>	<b>187,173</b>	<b>187,173</b>	<b>187,173</b>	<b>-3,000</b>			<b>184,173</b>
	<b>PROCUREMENT, MARINE CORPS</b>								
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>								
022	FIRE SUPPORT SYSTEM .....	5,583	5,583	5,583	5,583				5,583
	<b>TACTICAL VEHICLES</b>								
037	MOTOR TRANSPORT MODIFICATIONS .....	44,440	44,440	44,440	44,440				44,440
	<b>ENGINEER AND OTHER EQUIPMENT</b>								
045	EOD SYSTEMS .....	8,000	8,000	8,000	8,000				8,000
	<b>TOTAL PROCUREMENT, MARINE CORPS</b> .....	<b>58,023</b>	<b>58,023</b>	<b>58,023</b>	<b>58,023</b>				<b>58,023</b>
	<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>								
	<b>OTHER AIRLIFT</b>								
006	HC-130J .....	1	100,000	1	100,000				1
	<b>OTHER AIRCRAFT</b>								
017	MQ-9 .....	21	339,740	12	147,040	-4	-74,040	17	265,700
	Excess attrition aircraft .....			[-9]	[-192,700]	[-4]	[-74,040]		
018	RQ-20B PUMA .....		13,500		13,500				13,500
	<b>STRATEGIC AIRCRAFT</b>								
020	B-1B .....		4,000		4,000				4,000
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES .....		149,778		149,778				149,778

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		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>TACTICAL AIRCRAFT</b>											
023	A-10 .....		10,350		10,350		10,350				10,350
<b>OTHER AIRCRAFT</b>											
045	U-2 MODS .....		7,900		7,900		7,900				7,900
054	COMPASS CALL MODS .....		36,400		36,400		36,400				36,400
059	E-8 .....		13,000		13,000		13,000				13,000
063	H-60 .....		40,560		40,560		40,560				40,560
065	HC/MC-130 MODIFICATIONS .....		87,900		87,900		87,900				87,900
066	OTHER AIRCRAFT .....		53,731		53,731		53,731				53,731
068	MQ-9 UAS PAYLOADS .....		16,000		16,000		16,000				16,000
<b>AIRCRAFT SPARES AND REPAIR PARTS</b>											
070	INITIAL SPARES/REPAIR PARTS .....		91,500		91,500		91,500				91,500
<b>COMMON SUPPORT EQUIPMENT</b>											
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....		32,529		32,529		32,529				32,529
072	OTHER PRODUCTION CHARGES .....		22,000		22,000		22,000				22,000
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE .....</b>	<b>22</b>	<b>1,018,888</b>	<b>13</b>	<b>826,188</b>	<b>22</b>	<b>1,018,888</b>	<b>-4</b>	<b>-74,040</b>	<b>18</b>	<b>944,848</b>
<b>MISSILE PROCUREMENT, AIR FORCE</b>											
<b>TACTICAL</b>											
002	JOINT AIR-SURFACE STANDOFF MISSILE .....	48	61,600	48	61,600	48	84,400			48	61,600
	Buy-back JASSM-ER .....						(22,800)				
005	AMRAAM .....	2	2,600	2	2,600	2	2,600			2	2,600
006	PREDATOR HELLFIRE MISSILE .....	3,000	255,000	3,000	255,000	3,000	255,000			3,000	255,000
007	SMALL DIAMETER BOMB .....	3,909	140,724	3,909	140,724	3,909	140,724			3,909	140,724
<b>CLASS IV</b>											
013	AGM-65D MAVERICK .....		33,602		33,602		33,602				33,602
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE .....</b>	<b>6,959</b>	<b>493,526</b>	<b>6,959</b>	<b>493,526</b>	<b>6,959</b>	<b>516,326</b>			<b>6,959</b>	<b>493,526</b>
<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>											
<b>CARTRIDGES</b>											
002	CARTRIDGES .....		29,587		29,587		29,587				29,587
<b>BOMBS</b>											
004	GENERAL PURPOSE BOMBS .....		551,862		551,862		551,862				551,862

006	JOINT DIRECT ATTACK MUNITION .....	28,101	738,451	28,101	738,451	28,101	738,451	28,101	738,451
	<b>FLARES</b>								
015	FLARES .....		12,116		12,116		12,116		12,116
	<b>FUZES</b>								
016	FUZES .....		81,000		81,000		81,000		81,000
	<b>SMALL ARMS</b>								
017	SMALL ARMS .....		8,500		8,500		8,500		8,500
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE .....</b>	<b>28,101</b>	<b>1,421,516</b>	<b>28,101</b>	<b>1,421,516</b>	<b>28,101</b>	<b>1,421,516</b>	<b>28,101</b>	<b>1,421,516</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>								
	<b>PASSENGER CARRYING VEHICLES</b>								
001	PASSENGER CARRYING VEHICLES .....		9,680		9,680		9,680		9,680
	<b>CARGO AND UTILITY VEHICLES</b>								
002	MEDIUM TACTICAL VEHICLE .....		9,680		9,680		9,680		9,680
004	CARGO AND UTILITY VEHICLES .....		19,680		19,680		19,680		19,680
	<b>SPECIAL PURPOSE VEHICLES</b>								
006	SECURITY AND TACTICAL VEHICLES .....		24,880		24,880		24,880		24,880
007	SPECIAL PURPOSE VEHICLES .....		34,680		34,680		34,680		34,680
	<b>FIRE FIGHTING EQUIPMENT</b>								
008	FIRE FIGHTING/CRASH RESCUE VEHICLES .....		9,736		9,736		9,736		9,736
	<b>MATERIALS HANDLING EQUIPMENT</b>								
009	MATERIALS HANDLING VEHICLES .....		24,680		24,680		24,680		24,680
	<b>BASE MAINTENANCE SUPPORT</b>								
010	RUNWAY SNOW REMOV AND CLEANING EQU .....		9,680		9,680		9,680		9,680
011	BASE MAINTENANCE SUPPORT VEHICLES .....		9,680		9,680		9,680		9,680
	<b>INTELLIGENCE PROGRAMS</b>								
015	INTELLIGENCE COMM EQUIPMENT .....		6,156		6,156		6,156		6,156
	<b>ELECTRONICS PROGRAMS</b>								
016	AIR TRAFFIC CONTROL & LANDING SYS .....		56,884		56,884		56,884		35,984
	D-RAPCON cost growth .....							-20,900	
								[-20,900]	
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>								
029	AIR FORCE PHYSICAL SECURITY SYSTEM .....		46,236		46,236		46,236		46,236
037	THEATER BATTLE MGT C2 SYSTEM .....		2,500		2,500		2,500		2,500
	<b>ORGANIZATION AND BASE</b>								
045	TACTICAL C-E EQUIPMENT .....		27,911		27,911		27,911		27,911
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>								
051	PERSONAL SAFETY AND RESCUE EQUIPMENT .....		13,600		13,600		13,600		13,600
	<b>BASE SUPPORT EQUIPMENT</b>								
053	BASE PROCURED EQUIPMENT .....		28,800		28,800		28,800		28,800
054	ENGINEERING AND EOD EQUIPMENT .....		53,500		53,500		53,500		53,500

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
055	MOBILITY EQUIPMENT .....		78,562		78,562		78,562				78,562
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....		28,055		28,055		28,055				28,055
	<b>SPECIAL SUPPORT PROJECTS</b>										
059	DCGS-AF .....		2,000		2,000		2,000				2,000
	<b>CLASSIFIED PROGRAMS</b>										
062	CLASSIFIED PROGRAMS .....		3,229,364		3,229,364		3,229,364				3,229,364
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE .....</b>		<b>3,725,944</b>		<b>3,725,944</b>		<b>3,725,944</b>		<b>-20,900</b>		<b>3,705,044</b>
	<b>PROCUREMENT, DEFENSE-WIDE</b>										
	<b>MAJOR EQUIPMENT, DISA</b>										
008	TELEPORT PROGRAM .....		3,800		3,800		3,800				3,800
017	DEFENSE INFORMATION SYSTEMS NETWORK .....		12,000		12,000		12,000				12,000
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>										
025	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES .....		5,534		5,534		5,534				5,534
	<b>CLASSIFIED PROGRAMS</b>										
046A	CLASSIFIED PROGRAMS .....		41,559		41,559		41,559				41,559
	<b>AVIATION PROGRAMS</b>										
047	MANNED ISR .....		5,000		5,000		5,000				5,000
048	MC-12 .....		5,000		5,000		5,000				5,000
049	MH-60 BLACKHAWK .....		27,600		27,600		27,600				27,600
051	UNMANNED ISR .....		17,000		17,000		17,000				17,000
052	NON-STANDARD AVIATION .....		13,000		13,000		13,000				13,000
053	U-28 .....		51,722		51,722		51,722				51,722
054	MH-47 CHINOOK .....		36,500		36,500		36,500				36,500
	<b>AMMUNITION PROGRAMS</b>										
061	ORDNANCE ITEMS <\$5M .....		100,850		100,850		100,850				100,850
	<b>OTHER PROCUREMENT PROGRAMS</b>										
062	INTELLIGENCE SYSTEMS .....		16,500		16,500		16,500				16,500
064	OTHER ITEMS <\$5M .....		7,700		7,700		7,700				7,700
067	TACTICAL VEHICLES .....		59,891		59,891		59,891				59,891
068	WARRIOR SYSTEMS <\$5M .....		21,135		21,135		21,135				21,135
069	COMBAT MISSION REQUIREMENTS .....		10,000		10,000		10,000				10,000
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....		10,805		10,805		10,805				10,805

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073	OPERATIONAL ENHANCEMENTS .....	13	126,539	13	126,539	13	126,539		13	126,539	
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE .....</b>	<b>13</b>	<b>572,135</b>	<b>13</b>	<b>572,135</b>	<b>13</b>	<b>572,135</b>		<b>13</b>	<b>572,135</b>	
	<b>NATIONAL GUARD AND RESERVE EQUIPMENT</b>										
	<b>UNDISTRIBUTED</b>										
007	UNDISTRIBUTED .....				150,000			225,000		225,000	
	Program increase .....				[150,000]			[225,000]			
	<b>TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT .....</b>				<b>150,000</b>			<b>225,000</b>		<b>225,000</b>	
	<b>TOTAL PROCUREMENT .....</b>	<b>52,535</b>	<b>12,782,468</b>	<b>52,526</b>	<b>10,458,253</b>	<b>52,535</b>	<b>12,886,068</b>	<b>-4</b>	<b>125,060</b>	<b>52,531</b>	<b>12,907,528</b>

## TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)							
Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</b>							
<b>BASIC RESEARCH</b>							
001	0601101A	IN-HOUSE LABORATORY INDEPENDENT RESEARCH .....	11,585	11,585	11,585		11,585
002	0601102A	DEFENSE RESEARCH SCIENCES .....	276,912	276,912	289,412	12,500	289,412
		Basic research increase .....			[7,500]	[7,500]	
		Quantum information sciences .....			[5,000]	[5,000]	
003	0601103A	UNIVERSITY RESEARCH INITIATIVES .....	65,283	65,283	65,283		65,283
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS .....	92,115	92,115	97,115	5,000	97,115
		Basic research program increase .....			[5,000]	[5,000]	
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>445,895</b>	<b>445,895</b>	<b>463,395</b>	<b>17,500</b>	<b>463,395</b>
<b>APPLIED RESEARCH</b>							
005	0602105A	MATERIALS TECHNOLOGY .....	28,600	29,600	28,600	1,000	29,600
		Conformal batteries and composite armor .....		[1,000]		[1,000]	
006	0602120A	SENSORS AND ELECTRONIC SURVIVABILITY .....	32,366	36,366	37,366	9,000	41,366
		Expand Army Research lab Open Campus project .....		[4,000]		[4,000]	
		Program increase .....			[5,000]	[5,000]	
007	0602122A	TRACTOR HIP .....	8,674	8,674	8,674		8,674
008	0602126A	TRACTOR JACK .....	400	400	400		400

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009	0602211A	AVIATION TECHNOLOGY .....	64,847	64,847	59,847		64,847
		Mission systems / engine and drives coordination .....			[−5,000]		
010	0602270A	ELECTRONIC WARFARE TECHNOLOGY .....	25,571	25,571	25,571		25,571
011	0602303A	MISSILE TECHNOLOGY .....	50,183	50,183	50,183		50,183
012	0602307A	ADVANCED WEAPONS TECHNOLOGY .....	29,502	29,502	29,502		29,502
013	0602308A	ADVANCED CONCEPTS AND SIMULATION .....	28,500	28,500	38,500		28,500
		Pilot for cyber modeling and simulation .....			[10,000]		
014	0602601A	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY .....	70,450	70,450	70,450		70,450
015	0602618A	BALLISTICS TECHNOLOGY .....	75,541	75,541	75,541		75,541
016	0602622A	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY .....	5,032	5,032	5,032		5,032
017	0602623A	JOINT SERVICE SMALL ARMS PROGRAM .....	12,394	12,394	12,394		12,394
018	0602624A	WEAPONS AND MUNITIONS TECHNOLOGY .....	40,444	50,444	42,944	12,500	52,944
		Accelerate Army railgun development and prototyping .....		[10,000]		[10,000]	
		Advanced warheads technology .....			[2,500]	[2,500]	
019	0602705A	ELECTRONICS AND ELECTRONIC DEVICES .....	58,283	58,283	58,283		58,283
020	0602709A	NIGHT VISION TECHNOLOGY .....	29,582	29,582	29,582		29,582
021	0602712A	COUNTERMINE SYSTEMS .....	21,244	21,244	21,244		21,244
022	0602716A	HUMAN FACTORS ENGINEERING TECHNOLOGY .....	24,131	24,131	26,631	2,500	26,631
		General program increase .....			[2,500]	[2,500]	
023	0602720A	ENVIRONMENTAL QUALITY TECHNOLOGY .....	13,242	13,242	13,242		13,242
024	0602782A	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY .....	55,003	55,003	50,003	−5,000	50,003
		General Program Reduction .....			[−5,000]	[−5,000]	
025	0602783A	COMPUTER AND SOFTWARE TECHNOLOGY .....	14,958	14,958	14,958		14,958
026	0602784A	MILITARY ENGINEERING TECHNOLOGY .....	78,159	78,159	78,159		78,159
027	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY .....	21,862	21,862	21,862		21,862
028	0602786A	WARFIGHTER TECHNOLOGY .....	40,566	45,566	40,566	5,000	45,566
		Program increase .....		[5,000]		[5,000]	
029	0602787A	MEDICAL TECHNOLOGY .....	90,075	90,075	90,075		90,075
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>919,609</b>	<b>939,609</b>	<b>929,609</b>	<b>25,000</b>	<b>944,609</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>					
030	0603001A	WARFIGHTER ADVANCED TECHNOLOGY .....	39,338	39,338	39,338		39,338

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
031	0603002A	MEDICAL ADVANCED TECHNOLOGY .....	62,496	62,496	62,496		62,496
032	0603003A	AVIATION ADVANCED TECHNOLOGY .....	124,958	124,958	119,958		124,958
		Platform design and structures systems .....			[-5,000]		
033	0603004A	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY .....	102,686	102,686	122,686	20,000	122,686
		Accelerate ERCA gun .....			[20,000]	[20,000]	
034	0603005A	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY .....	119,739	119,739	192,239	9,500	129,239
		Modular scalable powertrain .....			[2,500]	[2,500]	
		Prototype Next Generation Combat Vehicle .....			[70,000]	[7,000]	
035	0603006A	SPACE APPLICATION ADVANCED TECHNOLOGY .....	13,000	13,000	13,000		13,000
036	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY .....	8,044	8,044	8,044		8,044
037	0603009A	TRACTOR HIKE .....	22,631	22,631	22,631		22,631
038	0603015A	NEXT GENERATION TRAINING & SIMULATION SYSTEMS .....	25,682	25,682	25,682		25,682
040	0603125A	COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT .....	3,762	3,762	3,762		3,762
041	0603130A	TRACTOR NAIL .....	4,896	4,896	4,896		4,896
042	0603131A	TRACTOR EGGS .....	6,041	6,041	6,041		6,041
043	0603270A	ELECTRONIC WARFARE TECHNOLOGY .....	31,491	31,491	31,491		31,491
044	0603313A	MISSILE AND ROCKET ADVANCED TECHNOLOGY .....	61,132	71,132	61,132	10,000	71,132
		Shoot-on-the-Move Technology Development for SHORAD platforms ....		[10,000]		[10,000]	
045	0603322A	TRACTOR CAGE .....	16,845	16,845	16,845		16,845
046	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM .....	183,322	188,322	188,322	10,000	193,322
		Enhance and accelerate Army artificial intelligence and machine learning.		[5,000]		[5,000]	
		Program increase .....			[5,000]	[5,000]	
047	0603606A	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY .....	11,104	11,104	11,104		11,104
048	0603607A	JOINT SERVICE SMALL ARMS PROGRAM .....	5,885	5,885	5,885		5,885
049	0603710A	NIGHT VISION ADVANCED TECHNOLOGY .....	61,376	58,876	61,376	-2,500	58,876
		Program decrease .....		[-2,500]		[-2,500]	

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050	0603728A	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS .....	9,136	9,136	9,136		9,136
051	0603734A	MILITARY ENGINEERING ADVANCED TECHNOLOGY .....	25,864	25,864	38,864	7,000	32,864
		Minor MILCON .....			[8,000]	[2,000]	
		Program increase .....			[5,000]	[5,000]	
052	0603772A	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY .....	34,883	39,883	37,383	7,500	42,383
		PNT research .....			[2,500]	[2,500]	
		Program increase .....		[5,000]		[5,000]	
053	0603794A	C3 ADVANCED TECHNOLOGY .....	52,387	49,887	47,387	-5,000	47,387
		Program decrease .....		[-2,500]	[-5,000]	[-5,000]	
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT .....</b>	<b>1,026,698</b>	<b>1,041,698</b>	<b>1,129,698</b>	<b>56,500</b>	<b>1,083,198</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>					
054	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .....	10,777	10,777	10,777		10,777
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING .....	42,802	43,802	42,802		42,802
		Realignment of EDI APS Unit Set from OCO to Base .....		[1,000]			
057	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV .....	45,254	45,254	45,254		45,254
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV .....	22,700	22,700	22,700		22,700
059	0603639A	TANK AND MEDIUM CALIBER AMMUNITION .....	41,974	55,974	55,974	12,000	53,974
		Army UFR: test and evaluation of the M999 155mm Anti-Personnel Improved Conventional Munition.		[14,000]	[14,000]	[12,000]	
060	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV .....	119,395	119,395	119,395	-8,000	111,395
		Developmental testing early to need .....				[-8,000]	
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	8,746	8,746	8,746		8,746
062	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV .....	35,667	35,667	43,667		35,667
		ISR capabilities to support long range field artillery .....			[8,000]		
063	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT .....	7,350	7,350	7,350		7,350
064	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL .....	14,749	14,749	14,749		14,749
065	0603790A	NATO RESEARCH AND DEVELOPMENT .....	3,687	3,687	3,687		3,687
066	0603801A	AVIATION—ADV DEV .....	10,793	10,793	10,793		10,793
067	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV .....	14,248	14,248	14,248		14,248
068	0603807A	MEDICAL SYSTEMS—ADV DEV .....	34,284	34,284	34,284		34,284
069	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT .....	18,044	28,044	18,044	10,000	28,044

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
		Advanced materials research for personal protective equipment (PPE)		[10,000]		[10,000]	
070	0604017A	ROBOTICS DEVELOPMENT .....	95,660	95,660	95,660	-13,702	81,958
		RCV Phase 2 funding ahead of need .....				[-13,702]	
071	0604020A	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING	38,000	68,000	38,000	-28,500	9,500
		Iron Dome short range air defense experimentation .....		[30,000]			
		Unjustified request .....				[-28,500]	
072	0604100A	ANALYSIS OF ALTERNATIVES .....	9,765	9,765	9,765		9,765
073	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS) .....	12,393	12,393	12,393		12,393
074	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR .....	120,374	120,374	120,374	-11,015	109,359
		Contracting award planning early to need .....				[-2,515]	
		Test funding ahead of need .....				[-8,500]	
075	0604115A	TECHNOLOGY MATURATION INITIATIVES .....	95,347	95,347	95,347		95,347
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) .....	95,085	118,085	95,085	-10,000	85,085
		Delayed new start effort .....				[-10,000]	
		Realignment of EDI APS Unit Set from OCO to Base .....		[23,000]			
077	0604118A	TRACTOR BEAM .....	52,894	52,894	52,894		52,894
079	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING .....	77,939	77,939	77,939		77,939
080	0604319A	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2—INTERCEPT (IFPC2)	51,030	51,030	81,030		51,030
		Accelerate delivery and capacity for IFPC .....			[30,000]		
081	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT .....	65,817	65,817	70,817		65,817
		Army Cyber Center of Excellence .....			[5,000]		
082	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) .....	146,300	146,300	146,300		146,300
083	1206308A	ARMY SPACE SYSTEMS INTEGRATION .....	38,319	38,319	38,319		38,319
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES .....</b>	<b>1,329,393</b>	<b>1,407,393</b>	<b>1,386,393</b>	<b>-49,217</b>	<b>1,280,176</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>					
084	0604201A	AIRCRAFT AVIONICS .....	32,293	32,293	32,293		32,293

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085	0604270A	ELECTRONIC WARFARE DEVELOPMENT .....	78,699	78,699	78,699	-5,749	72,950
		Funding excess to need .....				[-5,749]	
088	0604328A	TRACTOR CAGE .....	17,050	17,050	17,050		17,050
089	0604601A	INFANTRY SUPPORT WEAPONS .....	83,155	83,155	83,155		83,155
090	0604604A	MEDIUM TACTICAL VEHICLES .....	3,704	3,704	3,704		3,704
091	0604611A	JAVELIN .....	10,623	10,623	10,623	-5,000	5,623
		Schedule delays .....				[-5,000]	
092	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES .....	11,950	11,950	11,950		11,950
093	0604633A	AIR TRAFFIC CONTROL .....	12,347	12,347	12,347		12,347
095	0604642A	LIGHT TACTICAL WHEELED VEHICLES .....	8,212	8,212	8,212		8,212
096	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV .....	393,613	393,613	318,613	-75,000	318,613
		Mobile Protected Firepower decrease .....			[-75,000]	[-75,000]	
097	0604710A	NIGHT VISION SYSTEMS—ENG DEV .....	139,614	139,614	139,614		139,614
098	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT .....	4,507	4,507	4,507		4,507
099	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV .....	49,436	49,436	49,436	-5,000	44,436
		Historical underexecution .....				[-5,000]	
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV .....	95,172	95,172	95,172		95,172
101	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT .....	22,628	22,628	22,628		22,628
102	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT .....	13,297	13,297	13,297		13,297
103	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV .....	9,145	9,145	9,145		9,145
104	0604768A	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT) .....	9,894	9,894	9,894	-3,000	6,894
		Prior year carryover .....				[-3,000]	
105	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE .....	21,964	21,964	21,964		21,964
106	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION .....	49,288	49,288	49,288		49,288
107	0604802A	WEAPONS AND MUNITIONS—ENG DEV .....	183,100	183,100	183,100	-7,000	176,100
		Delayed new start efforts .....				[-7,000]	
108	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV .....	79,706	75,906	79,706	-3,225	76,481
		Late MSV-L contract award and concurrency .....		[-3,800]		[-3,225]	
109	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV .....	15,970	15,970	15,970		15,970
110	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV .....	44,542	44,542	44,542		44,542
111	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV .....	50,817	50,817	50,817	-5,700	45,117
		Prior year carryover .....				[-5,700]	

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
112	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE .....	178,693	178,693	178,693	-10,000	168,693
		Command post integrated infrastructure delayed new start .....				[-10,000]	
113	0604820A	RADAR DEVELOPMENT .....	39,338	39,338	39,338		39,338
114	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB)S .....	37,851	37,851	37,851		37,851
115	0604823A	FIREFINDER .....	45,473	45,473	45,473		45,473
116	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL .....	10,395	10,395	10,395		10,395
117	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD .....	69,204	55,804	78,204	-13,400	55,804
		Program reduction .....		[-13,400]		[-13,400]	
		Suite of Vehicle Protection Systems .....			[9,000]		
118	0604854A	ARTILLERY SYSTEMS—EMD .....	1,781	1,781	1,781		1,781
119	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT .....	113,758	113,758	113,758	-33,382	80,376
		Prior year carryover .....				[-33,382]	
120	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A) .....	166,603	166,603	166,603		166,603
121	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV) .....	118,239	118,239	118,239		118,239
122	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).	3,211	3,211	3,211		3,211
123	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC) .....	15,889	15,889	15,889		15,889
124	0605031A	JOINT TACTICAL NETWORK (JTN) .....	41,972	41,972	41,972		41,972
125	0605032A	TRACTOR TIRE .....	41,166	41,166	41,166		41,166
126	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS-E).	5,175	5,175	5,175		5,175
127	0605034A	TACTICAL SECURITY SYSTEM (TSS) .....	4,496	4,496	4,496		4,496
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	51,178	51,178	51,178		51,178
129	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD) .....	11,311	11,311	11,311		11,311
131	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE.	17,154	17,154	17,154		17,154
132	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT .....	36,626	36,626	36,626		36,626

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133	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) .....	3,829	3,829	3,829		3,829
134	0605047A	CONTRACT WRITING SYSTEM .....	41,928	41,928			41,928
		Duplication concern in contract writing systems .....				[-41,928]	
135	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM) .....	28,276	28,276	28,276	-2,739	25,537
		Funding early to need .....				[-2,739]	
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	21,965	21,965	21,965		21,965
137	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1 .....	157,710	157,710	157,710	-12,000	145,710
		Developmental testing early to need .....				[-12,000]	
138	0605053A	GROUND ROBOTICS .....	86,167	86,167	86,167	-2,026	84,141
		CRS-I contract delay .....				[-2,026]	
139	0605054A	EMERGING TECHNOLOGY INITIATIVES .....	42,866	68,266	42,866	25,400	68,266
		Army UFR: program increase .....		[25,400]		[25,400]	
140	0605380A	AMF JOINT TACTICAL RADIO SYSTEM (JTRS) .....	15,984	15,984	15,984		15,984
141	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	11,773	11,773	11,773		11,773
142	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) .....	277,607	277,607	277,607		277,607
143	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP) .....	12,340	12,340	12,340		12,340
144	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH. ....	2,686	2,686	2,686		2,686
145	0605830A	AVIATION GROUND SUPPORT EQUIPMENT .....	2,706	2,706	2,706		2,706
147	0303032A	TROJAN—RH12 .....	4,521	4,521	4,521		4,521
150	0304270A	ELECTRONIC WARFARE DEVELOPMENT .....	8,922	8,922	8,922		8,922
151	1205117A	TRACTOR BEARS .....	23,170	23,170	23,170		23,170
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION .....</b>	<b>3,192,689</b>	<b>3,200,889</b>	<b>3,084,761</b>	<b>-157,821</b>	<b>3,034,868</b>
		<b>RDT&amp;E MANAGEMENT SUPPORT</b>					
152	0604256A	THREAT SIMULATOR DEVELOPMENT .....	12,835	12,835	12,835		12,835
153	0604258A	TARGET SYSTEMS DEVELOPMENT .....	12,135	12,135	12,135		12,135
154	0604759A	MAJOR T&E INVESTMENT .....	82,996	82,996	107,996	25,000	107,996
		Program increase .....			[25,000]	[25,000]	
155	0605103A	RAND ARROYO CENTER .....	19,821	19,821	19,821		19,821
156	0605301A	ARMY KWAJALEIN ATOLL .....	246,574	246,574	246,574		246,574
157	0605326A	CONCEPTS EXPERIMENTATION PROGRAM .....	30,430	30,430	30,430		30,430

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159	0605601A	ARMY TEST RANGES AND FACILITIES .....	305,759	305,759	320,759	15,000	320,759
		Increase to help manage directed energy workloads .....			[15,000]	[15,000]	
160	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS .....	62,379	62,379	62,379		62,379
161	0605604A	SURVIVABILITY/LETHALITY ANALYSIS .....	40,496	40,496	40,496		40,496
162	0605606A	AIRCRAFT CERTIFICATION .....	3,941	3,941	3,941		3,941
163	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES .....	9,767	9,767	9,767		9,767
164	0605706A	MATERIEL SYSTEMS ANALYSIS .....	21,226	21,226	21,226		21,226
165	0605709A	EXPLOITATION OF FOREIGN ITEMS .....	13,026	13,026	13,026		13,026
166	0605712A	SUPPORT OF OPERATIONAL TESTING .....	52,718	52,718	52,718		52,718
167	0605716A	ARMY EVALUATION CENTER .....	57,049	57,049	57,049		57,049
168	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG .....	2,801	2,801	2,801		2,801
169	0605801A	PROGRAMWIDE ACTIVITIES .....	60,942	60,942	60,942		60,942
170	0605803A	TECHNICAL INFORMATION ACTIVITIES .....	29,050	29,050	29,050		29,050
171	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY .....	42,332	42,332	42,332		42,332
172	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT .....	3,216	3,216	3,216		3,216
173	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA .....	54,145	54,145	54,145		54,145
174	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY .....	4,896	4,896	4,896		4,896
175	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE .....	63,011	63,011	63,011		63,011
176	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION .....	2,636	2,636	2,636		2,636
177	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES .....	88,300	88,300	88,300		88,300
		<b>SUBTOTAL RDT&amp;E MANAGEMENT SUPPORT .....</b>	<b>1,322,481</b>	<b>1,322,481</b>	<b>1,362,481</b>	<b>40,000</b>	<b>1,362,481</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>					
181	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM .....	8,886	8,886	8,886		8,886
182	0603813A	TRACTOR PULL .....	4,067	4,067	4,067		4,067
183	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT .....	4,254	4,254	4,254		4,254
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS .....	16,022	16,022	16,022		16,022

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185	0607133A	TRACTOR SMOKE .....	4,577	4,577	4,577		4,577
186	0607134A	LONG RANGE PRECISION FIRES (LRPF) .....	186,475	186,475	186,475	-27,000	159,475
		Excess program growth .....				[-27,000]	
187	0607135A	APACHE PRODUCT IMPROVEMENT PROGRAM .....	31,049	31,049	31,049		31,049
188	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM .....	35,240	35,240	35,240		35,240
189	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM .....	157,822	157,822	157,822	-2,719	155,103
		Program management support excess growth .....				[-2,719]	
190	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM .....	4,189	4,189	4,189		4,189
191	0607139A	IMPROVED TURBINE ENGINE PROGRAM .....	192,637	192,637	192,637		192,637
194	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT .....	60,860	60,860	60,860	-13,000	47,860
		Research studies excess growth .....				[-13,000]	
195	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS .....	52,019	52,019	52,019	-13,500	38,519
		Unjustified growth .....				[-13,500]	
196	0607665A	FAMILY OF BIOMETRICS .....	2,400	2,400	2,400		2,400
197	0607865A	PATRIOT PRODUCT IMPROVEMENT .....	65,369	90,369	65,369	10,000	75,369
		Increase PATRIOT improvement efforts .....		[25,000]		[10,000]	
198	0202429A	AEROSTAT JOINT PROJECT—COCOM EXERCISE .....	1	1	1		1
199	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCs) .....	30,954	30,954	30,954		30,954
200	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS .....	411,927	411,927	411,927	-42,918	369,009
		Abrams ECP 1B schedule delay .....				[-14,978]	
		Bradley A5 ECP schedule delay .....				[-12,221]	
		Recovery vehicle improvement program delay .....				[-6,000]	
		Stryker program management excess growth .....				[-9,719]	
202	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS .....	40,676	40,676	40,676	-3,475	37,201
		Prior year carryover .....				[-3,475]	
203	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS .....	17,706	17,706	17,706		17,706
204	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM .....	146	146	146		146
205	0203758A	DIGITIZATION .....	6,316	6,316	6,316		6,316
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM .....	1,643	3,643	1,643		1,643
		Realignment of EDI APS Unit Set from OCO to Base .....		[2,000]			
207	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS .....	4,947	4,947	4,947		4,947
208	0203808A	TRACTOR CARD .....	34,050	34,050	34,050		34,050

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210	0205410A	MATERIALS HANDLING EQUIPMENT .....	1,464	1,464	1,464		1,464
211	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV .....	249	249	249		249
212	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM .....	79,283	79,283	79,283	-485	78,798
		unjustified request .....				[-485]	
213	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) .....	154,102	154,102	154,102	-28,148	125,954
		Unjustified growth .....				[-28,148]	
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	12,280	12,280	12,280		12,280
217	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM .....	68,533	68,533	68,533		68,533
218	0303141A	GLOBAL COMBAT SUPPORT SYSTEM .....	68,619	68,619	68,619	-3,546	65,073
		Increment 2 contract award delay .....				[-3,546]	
220	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM .....	2,034	2,034	2,034		2,034
223	0305172A	COMBINED ADVANCED APPLICATIONS .....	1,500	1,500	1,500		1,500
224	0305179A	INTEGRATED BROADCAST SERVICE (IBS) .....	450	450	450		450
225	0305204A	TACTICAL UNMANNED AERIAL VEHICLES .....	6,000	6,000	6,000		6,000
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	12,416	26,416	12,416		12,416
		Realignment of EDI APS Unit Set from OCO to Base .....		[14,000]			
227	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	38,667	38,667	38,667	-5,000	33,667
		Integration and testing unjustified growth .....				[-5,000]	
229	0305232A	RQ-11 UAV .....	6,180	6,180	6,180		6,180
230	0305233A	RQ-7 UAV .....	12,863	12,863	12,863		12,863
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	4,310	4,310	4,310		4,310
233	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES .....	53,958	53,958	53,958		53,958
234	1203142A	SATCOM GROUND ENVIRONMENT (SPACE) .....	12,119	12,119	12,119		12,119
235	1208053A	JOINT TACTICAL GROUND SYSTEM .....	7,400	7,400	7,400		7,400
235A	9999999999	CLASSIFIED PROGRAMS .....	5,955	5,955	5,955		5,955
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT .....</b>	<b>1,922,614</b>	<b>1,963,614</b>	<b>1,922,614</b>	<b>-129,791</b>	<b>1,792,823</b>

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		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY .....</b>	<b>10,159,379</b>	<b>10,321,579</b>	<b>10,278,951</b>	<b>-197,829</b>	<b>9,961,550</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>					
		<b>BASIC RESEARCH</b>					
001	0601103N	UNIVERSITY RESEARCH INITIATIVES .....	119,433	129,433	124,433	15,000	134,433
		Basic research program increase .....			[5,000]	[5,000]	
		Defense University Research Instrumentation Program .....		[10,000]		[10,000]	
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH .....	19,237	19,237	19,237		19,237
003	0601153N	DEFENSE RESEARCH SCIENCES .....	458,708	458,708	468,708	10,000	468,708
		Basic research program increase .....			[5,000]	[5,000]	
		Quantum information sciences .....			[5,000]	[5,000]	
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>597,378</b>	<b>607,378</b>	<b>612,378</b>	<b>25,000</b>	<b>622,378</b>
		<b>APPLIED RESEARCH</b>					
004	0602114N	POWER PROJECTION APPLIED RESEARCH .....	14,643	14,643	17,143	2,500	17,143
		Directed energy .....			[2,500]	[2,500]	
005	0602123N	FORCE PROTECTION APPLIED RESEARCH .....	124,049	124,049	124,049		124,049
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY .....	59,607	59,607	59,607		59,607
007	0602235N	COMMON PICTURE APPLIED RESEARCH .....	36,348	41,348	36,348		36,348
		Enhance and accelerate Navy artificial intelligence research .....		[5,000]			
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH .....	56,197	56,197	48,697	-1,480	54,717
		ONR global growth .....			[-7,500]	[-1,480]	
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH .....	83,800	83,800	83,800		83,800
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH .....	42,998	42,998	42,998		42,998
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH .....	6,349	6,349	6,349		6,349
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH .....	58,049	78,049	78,049	20,000	78,049
		Academic partnerships for undersea unmanned warfare research and energy technology.		[20,000]	[20,000]	[20,000]	
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH .....	147,771	147,771	147,771		147,771
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH .....	37,545	37,545	37,545		37,545
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH .....	159,697	169,697	164,697		159,697
		Accelerate Navy railgun development and prototyping .....		[10,000]			

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		Directed energy and electronic warfare/unmanned and autonomous systems.			[5,000]		
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACITIVITIES .....	64,418	64,418	64,418		64,418
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>891,471</b>	<b>926,471</b>	<b>911,471</b>	<b>21,020</b>	<b>912,491</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>					
019	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY .....	2,423	2,423	2,423		2,423
021	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD) .....	150,245	150,245	140,245	-4,199	146,046
		Unjustified growth .....			[-10,000]	[-4,199]	
022	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT .....	13,313	13,313	13,313		13,313
023	0603671N	NAVY ADVANCED TECHNOLOGY DEVELOPMENT (ATD) .....	131,502	155,002	131,502	23,500	155,002
		Program increase-one sensor plus integration .....		[23,500]		[23,500]	
024	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT .....	232,996	232,996	232,996		232,996
025	0603680N	MANUFACTURING TECHNOLOGY PROGRAM .....	58,657	58,657	58,657		58,657
030	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	161,859	181,859	166,359	20,000	181,859
		Accelerate Navy railgun development and prototyping .....		[20,000]		[20,000]	
		DE & EW/unmanned and autonomous systems .....			[4,500]		
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT .....</b>	<b>750,995</b>	<b>794,495</b>	<b>745,495</b>	<b>39,301</b>	<b>790,296</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>					
031	0603207N	AIR/OCEAN TACTICAL APPLICATIONS .....	29,747	29,747	29,747		29,747
032	0603216N	AVIATION SURVIVABILITY .....	7,050	7,050	7,050		7,050
033	0603251N	AIRCRAFT SYSTEMS .....	793	793	793		793
034	0603254N	ASW SYSTEMS DEVELOPMENT .....	7,058	12,058	7,058		7,058
		Prototyping fiber deployment sonobuoy systems .....		[5,000]			
035	0603261N	TACTICAL AIRBORNE RECONNAISSANCE .....	3,540	3,540	3,540		3,540

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036	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY .....	59,741	59,741	62,241		59,741
		Locust/HCUS/INP Transition .....			[2,500]		
037	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES .....	62,727	62,727	36,727	-2,000	60,727
		Barracuda EDMs ahead of PDR and CDR .....			[-26,000]	[-2,000]	
038	0603506N	SURFACE SHIP TORPEDO DEFENSE .....	8,570	18,570	8,570		8,570
		Program increase .....		[10,000]			
039	0603512N	CARRIER SYSTEMS DEVELOPMENT .....	5,440	5,440	5,440		5,440
040	0603525N	PILOT FISH .....	162,222	162,222	162,222		162,222
041	0603527N	RETRACT LARCH .....	11,745	11,745	11,745		11,745
042	0603536N	RETRACT JUNIPER .....	114,265	114,265	114,265		114,265
043	0603542N	RADIOLOGICAL CONTROL .....	740	740	740		740
044	0603553N	SURFACE ASW .....	1,122	1,122	1,122		1,122
045	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT .....	109,086	89,086	112,586	-13,000	96,086
		Advanced submarine propulsion development .....			[3,500]		
		Excessive cost growth .....		[-7,000]			
		Prior year inefficiencies impact .....		[-13,000]		[-13,000]	
046	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS .....	9,374	9,374	9,374		9,374
047	0603563N	SHIP CONCEPT ADVANCED DESIGN .....	89,419	89,419	107,419	18,000	107,419
		CHAMP acceleration .....			[18,000]	[18,000]	
048	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES .....	13,348	13,348	13,348		13,348
049	0603570N	ADVANCED NUCLEAR POWER SYSTEMS .....	256,137	256,137	256,137		256,137
050	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS .....	22,109	22,109	22,109		22,109
051	0603576N	CHALK EAGLE .....	29,744	29,744	29,744		29,744
052	0603581N	LITTORAL COMBAT SHIP (LCS) .....	27,997	27,997	27,997		27,997
053	0603582N	COMBAT SYSTEM INTEGRATION .....	16,351	16,351	16,351		16,351
054	0603595N	OHIO REPLACEMENT .....	514,846	526,846	514,846	12,000	526,846
		Advanced Submarines Control and Precision Propulsion Module Inte- gration.		[12,000]		[12,000]	
055	0603596N	LCS MISSION MODULES .....	103,633	103,633	133,033		103,633
		Project 2552: Align with deferred LCS-6 SSMM test .....			[-5,000]		
		Transfer from PE 64028N .....			[16,700]		
		Transfer from PE 64126N .....			[10,100]		

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Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
		Transfer from PE 64127N .....			[7,600]		
056	0603597N	AUTOMATED TEST AND ANALYSIS .....	7,931	7,931	7,931		7,931
057	0603599N	FRIGATE DEVELOPMENT .....	134,772	134,772	134,772		134,772
058	0603609N	CONVENTIONAL MUNITIONS .....	9,307	9,307	9,307		9,307
060	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM .....	1,828	1,828	1,828		1,828
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	43,148	43,148	43,148		43,148
062	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT .....	5,915	5,915	5,915		5,915
063	0603721N	ENVIRONMENTAL PROTECTION .....	19,811	24,811	19,811		19,811
		High-Pressure Waterjet Explosive Ordnance Disposal Technology development.		[5,000]			
064	0603724N	NAVY ENERGY PROGRAM .....	25,656	25,656	25,656		25,656
065	0603725N	FACILITIES IMPROVEMENT .....	5,301	5,301	5,301		5,301
066	0603734N	CHALK CORAL .....	267,985	267,985	267,985		267,985
067	0603739N	NAVY LOGISTIC PRODUCTIVITY .....	4,059	4,059	4,059		4,059
068	0603746N	RETRACT MAPLE .....	377,878	377,878	377,878		377,878
069	0603748N	LINK PLUMERIA .....	381,770	381,770	381,770		381,770
070	0603751N	RETRACT ELM .....	60,535	60,535	60,535		60,535
073	0603790N	NATO RESEARCH AND DEVELOPMENT .....	9,652	9,652	9,652		9,652
074	0603795N	LAND ATTACK TECHNOLOGY .....	15,529	15,529			15,529
		Program delay and no GLGP EMD FYDP funding .....			[-15,529]		
075	0603851M	JOINT NON-LETHAL WEAPONS TESTING .....	27,581	32,581	27,581		27,581
		Joint service adoption of non-lethal weapon technologies .....		[5,000]			
076	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL .....	101,566	101,566	101,566		101,566
077	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS .....	223,344	171,344	223,344	-80,932	142,412
		Program decrease .....		[-52,000]		[-80,932]	
078	0604014N	F/A -18 INFRARED SEARCH AND TRACK (IRST) .....	108,700	108,700	132,700		108,700
		IRST block II risk reduction .....			[24,000]		

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079	0604027N	DIGITAL WARFARE OFFICE .....	26,691	26,691	26,691		26,691
080	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES .....	16,717	16,717			16,717
		Transfer to PE 63596N .....				[-16,717]	
081	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES .....	30,187	30,187	30,187		30,187
082	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION. ....	48,796	48,796	48,796		48,796
083	0604031N	LARGE UNMANNED UNDERSEA VEHICLES .....	92,613	71,413	71,413		71,413
		Excessive Snakehead LDUUV growth .....		[-21,200]	[-21,200]	[-21,200]	
084	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80) .....	58,121	73,121	58,121		58,121
		EMALS software support activity .....		[15,000]			
086	0604126N	LITTORAL AIRBORNE MCM .....	17,622	17,622	7,522		17,622
		Transfer to PE 63596N .....				[-10,100]	
087	0604127N	SURFACE MINE COUNTERMEASURES .....	18,154	18,154	10,554		18,154
		Transfer to PE 63596N .....				[-7,600]	
088	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM) .....	47,278	47,278	47,278		47,278
090	0604289M	NEXT GENERATION LOGISTICS .....	11,081	11,081	11,081		11,081
092	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE .....	7,107	7,107	7,107		7,107
093	0604454N	LX (R) .....	5,549	5,549	5,549		5,549
094	0604536N	ADVANCED UNDERSEA PROTOTYPING .....	87,669	87,669	87,669		87,669
095	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM .....	132,818	132,818	132,818		119,918
		Project 3378 schedule delays .....				[-12,900]	
096	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT. ....	7,230	7,230	7,230		7,230
097	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT .....	143,062	143,062	143,062		143,062
099	0303354N	ASW SYSTEMS DEVELOPMENT—MIP .....	8,889	8,889	8,889		8,889
100	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM .....	25,291	10,341	25,291		11,291
		Unjustified cost growth .....		[-14,950]		[-14,000]	
101	0304240N	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM .....	9,300	9,300	9,300		9,300
102	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP .....	466	466	466		466
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES .....</b>	<b>4,293,713</b>	<b>4,237,563</b>	<b>4,273,967</b>	<b>-114,032</b>	<b>4,179,681</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>					
103	0603208N	TRAINING SYSTEM AIRCRAFT .....	12,798	13,798	12,798		12,798

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		TH-57 follow-on training system development .....		[1,000]			
104	0604212N	OTHER HELO DEVELOPMENT .....	32,128	32,128	32,128		32,128
105	0604214M	AV-8B AIRCRAFT—ENG DEV .....	46,363	46,363	30,163	-4,000	42,363
		Lacks operational justification/need .....			[-16,200]	[-4,000]	
107	0604215N	STANDARDS DEVELOPMENT .....	3,771	3,771	3,771		3,771
108	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT .....	16,611	16,611	16,611		16,611
109	0604218N	AIR/OCEAN EQUIPMENT ENGINEERING .....	17,368	17,368	17,368		17,368
110	0604221N	P-3 MODERNIZATION PROGRAM .....	2,134	2,134	2,134		2,134
111	0604230N	WARFARE SUPPORT SYSTEM .....	9,729	9,729	9,729		9,729
112	0604231N	TACTICAL COMMAND SYSTEM .....	57,688	57,688	57,688		57,688
113	0604234N	ADVANCED HAWKEYE .....	223,565	215,565	223,565	-10,000	213,565
		excess carryover .....				[-10,000]	
		Forward financed in the FY18 Omnibus .....		[-10,000]			
		Program increase—IFF range improvement .....		[2,000]			
114	0604245M	H-1 UPGRADES .....	58,097	58,097	58,097		58,097
116	0604261N	ACOUSTIC SEARCH SENSORS .....	42,485	42,485	42,485		42,485
117	0604262N	V-22A .....	143,079	143,079	143,079		143,079
118	0604264N	AIR CREW SYSTEMS DEVELOPMENT .....	20,980	20,980	30,980	10,000	30,980
		Increase to advance aircrew physiological monitoring .....			[10,000]	[10,000]	
119	0604269N	EA-18 .....	147,419	147,419	242,719	95,300	242,719
		UPL—EA-18G Advanced Modes / Cognitive EW .....			[95,300]	[95,300]	
120	0604270N	ELECTRONIC WARFARE DEVELOPMENT .....	89,824	121,424	121,424	31,600	121,424
		Navy UFR: EA-18G offensive airborne electronic attack special mission pods.		[31,600]	[31,600]	[31,600]	
121	0604273M	EXECUTIVE HELO DEVELOPMENT .....	245,064	245,064	245,064		245,064
123	0604274N	NEXT GENERATION JAMMER (NGJ) .....	459,529	459,529	459,529		459,529
124	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY) .....	3,272	3,272	3,272		3,272

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125	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II .....	115,253	115,253	115,253	-5,774	109,479
		Engineering previously funded .....				[-5,774]	
126	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING .....	397,403	377,403	397,403	-10,300	387,103
		ACB 20 unexecutable growth .....		[-20,000]		[-10,300]	
127	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION .....	939	939	50,939		939
		Mk 41 VLS integration .....			[50,000]		
128	0604329N	SMALL DIAMETER BOMB (SDB) .....	104,448	104,448	104,448		104,448
129	0604366N	STANDARD MISSILE IMPROVEMENTS .....	165,881	180,881	184,881	15,000	180,881
		XFU electronics unit integration .....		[15,000]	[19,000]	[15,000]	
130	0604373N	AIRBORNE MCM .....	10,831	10,831	10,831		10,831
131	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING	33,429	26,529	33,429		33,429
		Excess overhead .....		[-6,900]			
132	0604501N	ADVANCED ABOVE WATER SENSORS .....	35,635	35,635	35,635		35,635
133	0604503N	SSN-688 AND TRIDENT MODERNIZATION .....	126,932	126,932	126,932		126,932
134	0604504N	AIR CONTROL .....	62,448	62,448	62,448		62,448
135	0604512N	SHIPBOARD AVIATION SYSTEMS .....	9,710	9,710	9,710		9,710
136	0604518N	COMBAT INFORMATION CENTER CONVERSION .....	19,303	19,303	19,303		19,303
137	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM .....	27,059	27,059	27,059		27,059
138	0604530N	ADVANCED ARRESTING GEAR (AAG) .....	184,106	184,106	184,106		184,106
139	0604558N	NEW DESIGN SSN .....	148,233	126,833	148,233		148,233
		Excess cost growth .....		[-21,400]			
140	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM .....	60,824	60,824	60,824		60,824
141	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E .....	60,062	60,062	66,062	6,000	66,062
		Planning to support FY21 award of LHA-9 .....			[6,000]	[6,000]	
142	0604574N	NAVY TACTICAL COMPUTER RESOURCES .....	4,642	4,642	4,642		4,642
144	0604601N	MINE DEVELOPMENT .....	25,756	25,756	25,756		25,756
145	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT .....	95,147	95,147	95,147	-32,000	63,147
		Project 3418 post-system design and engineering funds early to need				[-32,000]	
146	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	7,107	7,107	7,107		7,107
147	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS .....	6,539	6,539	6,539		6,539
148	0604727N	JOINT STANDOFF WEAPON SYSTEMS .....	441	441	441		441
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	180,391	180,391	180,391		180,391

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150	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL) .....	178,538	178,538	178,538		178,538
151	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) .....	120,507	120,507	120,507		120,507
152	0604761N	INTELLIGENCE ENGINEERING .....	29,715	29,715	29,715		29,715
153	0604771N	MEDICAL DEVELOPMENT .....	8,095	8,095	8,095		8,095
154	0604777N	NAVIGATION/ID SYSTEM .....	121,026	121,026	121,026		121,026
155	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD .....	66,566	66,566	66,566		66,566
156	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD .....	65,494	65,494	65,494		65,494
159	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT .....	14,005	14,005	14,005		14,005
160	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT .....	268,567	268,567	178,467	-60,000	208,567
		General reduction .....			[-26,300]	[-60,000]	
		Lengthy delivery timelines for Navy Personnel and Pay System .....			[-63,800]		
161	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT .....	5,618	5,618	5,618		5,618
162	0605212M	CH-53K RDTE .....	326,945	326,945	326,945		326,945
164	0605215N	MISSION PLANNING .....	32,714	32,714	32,714		32,714
165	0605217N	COMMON AVIONICS .....	51,486	51,486	51,486		51,486
166	0605220N	SHIP TO SHORE CONNECTOR (SSC) .....	1,444	1,444	1,444		1,444
167	0605327N	T-AO 205 CLASS .....	1,298	1,298	1,298		1,298
168	0605414N	UNMANNED CARRIER AVIATION (UCA) .....	718,942	602,042	718,942	-116,900	602,042
		Insufficient Air Vehicle budget justification .....		[-116,900]		[-116,900]	
169	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	6,759	11,759	6,759	5,000	11,759
		JAGM-F for USN and USMC .....		[5,000]		[5,000]	
171	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA) .....	37,296	37,296	37,296		37,296
172	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III .....	160,389	160,389	160,389		160,389
173	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION. Project 0026 excess concurrency .....	98,223	98,223	98,223	-22,099	76,124
						[-22,099]	

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174	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION.	2,260	2,260	2,260		2,260
175	0204202N	DDG-1000 .....	161,264	161,264	161,264	-9,300	151,964
		Testing early to need .....				[-9,300]	
180	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS .....	44,098	44,098	44,098		44,098
182	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	6,808	6,808	6,808		6,808
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION .....</b>	<b>6,042,480</b>	<b>5,921,880</b>	<b>6,148,080</b>	<b>-107,473</b>	<b>5,935,007</b>
		<b>MANAGEMENT SUPPORT</b>					
183	0604256N	THREAT SIMULATOR DEVELOPMENT .....	94,576	94,576	94,576		94,576
184	0604258N	TARGET SYSTEMS DEVELOPMENT .....	10,981	10,981	10,981		10,981
185	0604759N	MAJOR T&E INVESTMENT .....	77,014	83,014	77,014	6,000	83,014
		Program increase .....		[6,000]		[6,000]	
186	0605126N	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION .....	48	48	48		48
187	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY .....	3,942	3,942	3,942		3,942
188	0605154N	CENTER FOR NAVAL ANALYSES .....	48,797	48,797	48,797		48,797
189	0605285N	NEXT GENERATION FIGHTER .....	5,000	5,000	5,000		5,000
191	0605804N	TECHNICAL INFORMATION SERVICES .....	1,029	1,029	1,029		1,029
192	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT .....	87,565	87,565	78,565		87,565
		Insufficient budget justification .....			[-9,000]		
193	0605856N	STRATEGIC TECHNICAL SUPPORT .....	4,231	4,231	4,231		4,231
194	0605861N	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT .....	1,072	1,072	1,072		1,072
195	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT .....	97,471	97,471	97,471		97,471
196	0605864N	TEST AND EVALUATION SUPPORT .....	373,834	373,834	373,834		373,834
197	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY .....	21,554	21,554	21,554		21,554
198	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT .....	16,227	16,227	16,227		16,227
200	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT .....	24,303	24,303	24,303		24,303
201	0605898N	MANAGEMENT HQ—R&D .....	43,262	43,262	43,262		43,262
202	0606355N	WARFARE INNOVATION MANAGEMENT .....	41,918	41,918	41,918		41,918
203	0606942M	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES .....	7,000	7,000	7,000		7,000
204	0606942N	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES .....	48,800	48,800	48,800		48,800
205	0305327N	INSIDER THREAT .....	1,682	1,682	1,682		1,682

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206	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES) .....	1,579	1,579	1,579		1,579
208	1206867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT .....	8,684	8,684	8,684		8,684
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,020,569</b>	<b>1,026,569</b>	<b>1,011,569</b>	<b>6,000</b>	<b>1,026,569</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>					
210	0604227N	HARPOON MODIFICATIONS .....	5,426	5,426	5,426		5,426
211	0604840M	F-35 C2D2 .....	259,122	259,122	259,122		259,122
212	0604840N	F-35 C2D2 .....	252,360	252,360	252,360		252,360
213	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC) .....	130,515	119,315	130,515	-1,700	128,815
		Excess cost growth .....		[-11,200]		[-1,700]	
214	0607700N	DEPLOYABLE JOINT COMMAND AND CONTROL .....	3,127	3,127	3,127		3,127
215	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT .....	157,679	166,679	157,679	9,000	166,679
		Project 2228, technical applications, systems engineering modeling and simulation capability and tool development.		[9,000]		[9,000]	
216	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM .....	43,198	39,198	43,198	-1,000	42,198
		Excess program growth .....		[-4,000]		[-1,000]	
217	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT .....	11,311	11,311	11,311		11,311
218	0101402N	NAVY STRATEGIC COMMUNICATIONS .....	39,313	39,313	39,313		39,313
219	0204136N	F/A-18 SQUADRONS .....	193,086	200,586	193,086	7,000	200,086
		Engine noise reduction engineering .....		[2,500]		[2,000]	
		JAGM-F for USN and USMC .....		[5,000]		[5,000]	
220	0204163N	FLEET TELECOMMUNICATIONS (TACTICAL) .....	25,014	25,014	25,014	-11,835	13,179
		High frequency over-the-horizon robust communications enterprise concurrency.				[-11,835]	
221	0204228N	SURFACE SUPPORT .....	11,661	11,661	11,661		11,661
222	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC) .....	282,395	282,395	291,095		282,395
		Restore MST to maintain 2020 IOC .....			[8,700]		

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223	0204311N	INTEGRATED SURVEILLANCE SYSTEM .....	36,959	36,959	71,959	35,000	71,959
		Additional TRAPS units .....			[35,000]	[35,000]	
224	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS .....	15,454	15,454	15,454		15,454
225	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT) .....	6,073	6,073	6,073		6,073
226	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	45,029	45,029	45,029		45,029
227	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT .....	104,903	104,903	104,903		104,903
228	0204574N	CRYPTOLOGIC DIRECT SUPPORT .....	4,544	4,544	4,544		4,544
229	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT .....	66,889	66,889	66,889		66,889
230	0205601N	HARM IMPROVEMENT .....	120,762	120,762	21,522		120,762
		Cancel ER program .....			[-99,240]		
231	0205604N	TACTICAL DATA LINKS .....	104,696	104,696	116,696	12,000	116,696
		UPL—Tactical Targeting Network Technology acceleration .....			[12,000]	[12,000]	
232	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION .....	28,421	28,421	28,421		28,421
233	0205632N	MK-48 ADCAP .....	94,155	68,555	94,155	-25,600	68,555
		Excessive TI-1 cost growth .....		[-25,600]		[-25,600]	
234	0205633N	AVIATION IMPROVEMENTS .....	121,805	136,805	136,805	15,000	136,805
		Navy UFR: F/A-18E/F Super Hornet engine enhancements .....		[15,000]	[15,000]	[15,000]	
235	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS .....	117,028	117,028	117,028		117,028
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	174,779	174,779	174,779		174,779
237	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S) .....	4,826	4,826	4,826		4,826
238	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS .....	97,152	97,152	97,152		97,152
239	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT .....	30,156	30,156	30,156		30,156
240	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP) .....	39,976	39,976	39,976		39,976
241	0206629M	AMPHIBIOUS ASSAULT VEHICLE .....	22,637	22,637		-1,947	20,690
		Lacks operational justification/need .....			[-22,637]	[-1,947]	
242	0207161N	TACTICAL AIM MISSILES .....	40,121	40,121	40,121		40,121
243	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) .....	32,473	32,473	32,473	-2,867	29,606
		System improvement program efforts schedule delay .....				[-2,867]	
249	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES) .....	23,697	23,697	23,697		23,697
250	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM .....	44,228	44,228	44,228		44,228
252	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES .....	6,081	6,081	6,081		6,081
253	0305204N	TACTICAL UNMANNED AERIAL VEHICLES .....	8,529	8,529	8,529		8,529

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254	0305205N	UAS INTEGRATION AND INTEROPERABILITY .....	41,212	41,212	41,212		41,212
255	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	7,687	7,687	7,687		7,687
256	0305208N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	42,846	42,846	42,846		42,846
257	0305220N	MQ-4C TRITON .....	14,395	14,395	14,395		14,395
258	0305231N	MQ-8 UAV .....	9,843	9,843	9,843		9,843
259	0305232M	RQ-11 UAV .....	524	524	524		524
260	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASLO) .....	5,360	5,360	5,360		5,360
261	0305239M	RQ-21A .....	10,914	10,914	10,914		10,914
262	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT .....	81,231	81,231	81,231		81,231
263	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP) .....	5,956	5,956	5,956		5,956
264	0305421N	RQ-4 MODERNIZATION .....	219,894	216,894	219,894		219,894
		Program decrease .....		[-3,000]			
265	0308601N	MODELING AND SIMULATION SUPPORT .....	7,097	7,097	7,097		7,097
266	0702207N	DEPOT MAINTENANCE (NON-IF) .....	36,560	36,560	36,560		36,560
267	0708730N	MARITIME TECHNOLOGY (MARITECH) .....	7,284	7,284	7,284		7,284
268	1203109N	SATELLITE COMMUNICATIONS (SPACE) .....	39,174	39,174	39,174		39,174
268A	9999999999	CLASSIFIED PROGRAMS .....	1,549,503	1,549,503	1,549,503		1,549,503
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT .....</b>	<b>4,885,060</b>	<b>4,872,760</b>	<b>4,833,883</b>	<b>33,051</b>	<b>4,918,111</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY .....</b>	<b>18,481,666</b>	<b>18,387,116</b>	<b>18,536,843</b>	<b>-97,133</b>	<b>18,384,533</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</b>					
		<b>BASIC RESEARCH</b>					
001	0601102F	DEFENSE RESEARCH SCIENCES .....	348,322	348,322	358,322	5,000	353,322
		Basic research program increase .....			[5,000]	[5,000]	
		Quantum information sciences .....			[5,000]		
002	0601103F	UNIVERSITY RESEARCH INITIATIVES .....	154,991	154,991	154,991		154,991

003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES .....	14,506	14,506	17,006		14,506
		Directed energy research .....			[2,500]		
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>517,819</b>	<b>517,819</b>	<b>530,319</b>	<b>5,000</b>	<b>522,819</b>
		<b>APPLIED RESEARCH</b>					
004	0602102F	MATERIALS .....	125,373	144,373	129,373	17,000	142,373
		Additional facility engineering research and development .....		[3,000]			
		Advanced materials analysis .....			[4,000]	[4,000]	
		Structural Biology Techniques .....		[3,000]		[3,000]	
		Sub-atomic particle research .....		[3,000]			
		Thermal protecting systems for hypersonics .....		[10,000]		[10,000]	
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES .....	130,547	140,547	135,547	10,000	140,547
		Hypersonic vehicle structures .....		[10,000]	[5,000]	[10,000]	
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH .....	112,518	112,518	112,518		112,518
007	0602203F	AEROSPACE PROPULSION .....	190,919	195,919	213,419	5,000	195,919
		Affordable Responsive Modular Rocket .....			[15,000]		
		Multi-mode propulsion .....			[3,000]		
		Program increase .....		[5,000]		[5,000]	
		Solid rocket motor produce on-demand .....			[2,000]		
		Turbine engine technology .....			[2,500]		
008	0602204F	AEROSPACE SENSORS .....	166,534	166,534	159,034		166,534
		General program reduction .....			[-7,500]		
009	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS AC- TIVITIES.	8,288	8,288	8,288		8,288
011	0602602F	CONVENTIONAL MUNITIONS .....	112,841	112,841	112,841		112,841
012	0602605F	DIRECTED ENERGY TECHNOLOGY .....	141,898	141,898	145,898		141,898
		Skywave technologies laboratory .....			[4,000]		
013	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS .....	162,420	172,420	162,420	10,000	172,420
		Enhance and accelerate Air Force artificial intelligence research .....		[10,000]		[10,000]	
014	0602890F	HIGH ENERGY LASER RESEARCH .....	43,359	43,359	55,859	2,500	45,859
		Directed energy research .....			[2,500]	[2,500]	
		High powered microwave .....			[10,000]		

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015	1206601F	SPACE TECHNOLOGY .....	117,645	117,645	123,645		117,645
		Wargaming and simulator lab .....			[6,000]		
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>1,312,342</b>	<b>1,356,342</b>	<b>1,358,842</b>	<b>44,500</b>	<b>1,356,842</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>							
016	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS .....	34,426	44,426	31,926	8,500	42,926
		General program reduction .....			[-5,000]		
		Metals Affordability Initiative .....		[10,000]	[2,500]	[8,500]	
017	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T) .....	15,150	20,150	16,150		15,150
		Air Force artificial intelligence research and non-operational support activities.		[5,000]			
		Prevention/enhanced maintainability technologies .....			[1,000]		
018	0603203F	ADVANCED AEROSPACE SENSORS .....	39,968	39,968	39,968		39,968
019	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO .....	121,002	121,002	131,002	5,000	126,002
		Design/Manufacture aircraft aft body drag reduction devices .....			[10,000]	[5,000]	
020	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY .....	115,462	125,462	139,462	9,000	124,462
		General program increase .....			[9,000]	[9,000]	
		Laser power system enhancement .....		[10,000]			
		Multi-mode propulsion .....			[5,000]		
		Technology for the Sustainment of Strategic Systems .....			[10,000]		
021	0603270F	ELECTRONIC COMBAT TECHNOLOGY .....	55,319	55,319	60,319		55,319
		RF/EO/IR warning and countermeasures .....			[5,000]		
022	0603401F	ADVANCED SPACECRAFT TECHNOLOGY .....	54,895	54,895	54,895		54,895
023	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS) .....	10,674	10,674	10,674		10,674
024	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT .....	36,463	46,463	36,463	5,000	41,463
		Autonomous life support system development .....		[10,000]		[5,000]	
025	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY .....	194,981	194,981	194,981		194,981

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026	0603605F	ADVANCED WEAPONS TECHNOLOGY .....	43,368	43,368	53,368	10,000	53,368
		Demonstrator laser weapon system .....			[10,000]	[10,000]	
027	0603680F	MANUFACTURING TECHNOLOGY PROGRAM .....	42,025	47,025	42,025	5,000	47,025
		Academic and industrial partnerships for aerospace materials .....		[5,000]		[5,000]	
028	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION .....	51,064	64,364	51,064		51,064
		Additional facility engineering research and development .....		[8,300]			
		Enhance and accelerate Air Force artificial intelligence research .....		[5,000]			
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT .....</b>	<b>814,797</b>	<b>868,097</b>	<b>862,297</b>	<b>42,500</b>	<b>857,297</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>					
030	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT .....	5,568	5,568	5,568		5,568
032	0603742F	COMBAT IDENTIFICATION TECHNOLOGY .....	18,194	18,194	18,194		18,194
033	0603790F	NATO RESEARCH AND DEVELOPMENT .....	2,305	2,305	2,305		2,305
035	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL .....	41,856	41,856	41,856		41,856
037	0604015F	LONG RANGE STRIKE—BOMBER .....	2,314,196	2,314,196	2,314,196		2,314,196
038	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT .....	14,894	14,894	14,894		14,894
039	0604257F	ADVANCED TECHNOLOGY AND SENSORS .....	34,585	34,585	34,585		34,585
040	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP .....	9,740	9,740	9,740		9,740
041	0604317F	TECHNOLOGY TRANSFER .....	12,960	12,960	12,960		12,960
042	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM ..	71,501	71,501	71,501	-1,800	69,701
		Program excess .....				[-1,800]	
043	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS .....	62,618	62,618	62,618		62,618
046	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D .....	28,350	28,350	38,350		28,350
		Tanker prototype .....			[10,000]		
048	0604858F	TECH TRANSITION PROGRAM .....	1,186,075	1,201,075	1,408,875	147,800	1,333,875
		Acceleration of Hypersonic Conventional Strike Weapon .....			[100,000]	[100,000]	
		Competitively Awarded Transition Programs .....		[5,000]		[5,000]	
		Low cost attritable aircraft prototype .....			[80,000]		
		Non-engine development technology .....		[10,000]			
		Rapid Sustainment Initiative .....			[42,800]	[42,800]	
049	0605230F	GROUND BASED STRATEGIC DETERRENT .....	345,041	414,441	414,441	69,400	414,441
		Accelerated execution of program .....		[69,400]	[69,400]	[69,400]	

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050	0207110F	NEXT GENERATION AIR DOMINANCE .....	503,997	413,997	503,997	-60,000	443,997
		Ahead of need .....		[-90,000]		[-60,000]	
051	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR) .....	40,326	40,326	40,326		40,326
052	0208099F	UNIFIED PLATFORM (UP) .....	29,800	29,800	29,800		29,800
054	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA) .....	41,880	41,880	41,880		41,880
055	0305601F	MISSION PARTNER ENVIRONMENTS .....	10,074	10,074	10,074		10,074
056	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	253,825	253,825	253,825		253,825
057	0306415F	ENABLED CYBER ACTIVITIES .....	16,325	16,325	16,325		16,325
059	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM .....	17,577	17,577			17,577
		Duplication concern .....			[-17,577]		
060	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE) .....	286,629	286,629	286,629		286,629
061	1203710F	EO/IR WEATHER SYSTEMS .....	7,940	7,940	7,940		7,940
062	1206422F	WEATHER SYSTEM FOLLOW-ON .....	138,052	148,052	138,052	6,000	144,052
		Commercial weather data pilot .....		[10,000]		[6,000]	
063	1206425F	SPACE SITUATION AWARENESS SYSTEMS .....	39,338	39,338	39,338	-10,000	29,338
		Ahead of need .....				[-10,000]	
064	1206434F	MIDTERM POLAR MILSATCOM SYSTEM .....	383,113	383,113	383,113		383,113
065	1206438F	SPACE CONTROL TECHNOLOGY .....	91,018	106,018	91,018		91,018
		NTS-3 Payload .....		[15,000]			
066	1206730F	SPACE SECURITY AND DEFENSE PROGRAM .....	45,542	49,542	45,542		45,542
		Allied launch services .....		[4,000]			
067	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES) .....	51,419	51,419	51,419		51,419
068	1206761F	PROTECTED TACTICAL SERVICE (PTS) .....	29,776	29,776	29,776		29,776
069	1206855F	PROTECTED SATCOM SERVICES (PSCS)—AGGREGATED .....	29,379	29,379	29,379		29,379
070	1206857F	OPERATIONALLY RESPONSIVE SPACE .....	366,050	297,050	316,050	5,000	371,050
		Blackjack .....		[50,000]		[110,000]	
		Space RCO Advanced Solar Power—early to need .....		[-119,000]	[-50,000]	[-105,000]	

		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES .....</b>	<b>6,529,943</b>	<b>6,484,343</b>	<b>6,764,566</b>	<b>156,400</b>	<b>6,686,343</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>					
071	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS .....	39,602	39,602	39,602		39,602
072	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT .....	58,531	58,531	58,531		58,531
073	0604222F	NUCLEAR WEAPONS SUPPORT .....	4,468	4,468	4,468		4,468
074	0604270F	ELECTRONIC WARFARE DEVELOPMENT .....	1,909	1,909	1,909		1,909
075	0604281F	TACTICAL DATA NETWORKS ENTERPRISE .....	207,746	207,746	257,746	50,000	257,746
		Increase to accelerate 21st Century Battle Management Command and Control.			[50,000]	[50,000]	
076	0604287F	PHYSICAL SECURITY EQUIPMENT .....	14,421	14,421	14,421		14,421
077	0604329F	SMALL DIAMETER BOMB (SDB)—EMD .....	73,158	93,158	73,158		73,158
		SDB II cost reduction initiatives .....		[20,000]			
081	0604429F	AIRBORNE ELECTRONIC ATTACK .....	7,153	7,153	7,153		7,153
083	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT .....	58,590	58,590	58,590		58,590
084	0604604F	SUBMUNITIONS .....	2,990	2,990	2,990		2,990
085	0604617F	AGILE COMBAT SUPPORT .....	20,028	20,028	20,028		20,028
086	0604618F	JOINT DIRECT ATTACK MUNITION .....	15,787	15,787	15,787		15,787
087	0604706F	LIFE SUPPORT SYSTEMS .....	8,919	8,919	8,919		8,919
088	0604735F	COMBAT TRAINING RANGES .....	35,895	62,895	35,895	8,000	43,895
		Advanced threat radar system .....		[27,000]		[8,000]	
089	0604800F	F-35—EMD .....	69,001	69,001	69,001		69,001
091	0604932F	LONG RANGE STANDOFF WEAPON .....	614,920	699,920	699,920	85,000	699,920
		Accelerated execution of program .....		[85,000]		[85,000]	
092	0604933F	ICBM FUZE MODERNIZATION .....	172,902	172,902	172,902		172,902
097	0605221F	KC-46 .....	88,170	88,170	88,170	-5,000	83,170
		Excess to need .....				[-5,000]	
098	0605223F	ADVANCED PILOT TRAINING .....	265,465	265,465	265,465		265,465
099	0605229F	COMBAT RESCUE HELICOPTER .....	457,652	457,652	457,652		457,652
105	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT .....	3,617	3,617	3,617		3,617
106	0605931F	B-2 DEFENSIVE MANAGEMENT SYSTEM .....	261,758	261,758	261,758		261,758
107	0101125F	NUCLEAR WEAPONS MODERNIZATION .....	91,907	91,907	91,907		91,907

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108	0207171F	F-15 EPAWSS .....	137,095	137,095	137,095		137,095
109	0207328F	STAND IN ATTACK WEAPON .....	43,175	43,175	43,175	-22,600	20,575
		Excess to need .....				[-22,600]	
110	0207423F	ADVANCED COMMUNICATIONS SYSTEMS .....	14,888	14,888	14,888		14,888
111	0207701F	FULL COMBAT MISSION TRAINING .....	1,015	1,015	1,015		1,015
115	0307581F	JSTARS RECAP .....		623,000	50,000	30,000	30,000
		Continue JSTARS recap GMTI radar development .....			[50,000]	[30,000]	
		JSTARS recap EMD execution .....		[623,000]			
116	0401310F	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION .....	7,943	7,943	7,943		7,943
117	0401319F	PRESIDENTIAL AIRCRAFT RECAPITALIZATION (PAR) .....	673,032	673,032	673,032		673,032
118	0701212F	AUTOMATED TEST SYSTEMS .....	13,653	13,653	13,653		13,653
119	1203176F	COMBAT SURVIVOR EVADER LOCATOR .....	939	939	939		939
120	1203269F	GPS IIIC .....	451,889	451,889	451,889	-18,000	433,889
		SMI insufficient justification .....				[-18,000]	
121	1203940F	SPACE SITUATION AWARENESS OPERATIONS .....	46,668	46,668	46,668		46,668
122	1206421F	COUNTERSPACE SYSTEMS .....	20,676	20,676	20,676		20,676
123	1206425F	SPACE SITUATION AWARENESS SYSTEMS .....	134,463	134,463	134,463		134,463
124	1206426F	SPACE FENCE .....	20,215	20,215	20,215		20,215
125	1206431F	ADVANCED EHF MILSATCOM (SPACE) .....	151,506	151,506	151,506		151,506
126	1206432F	POLAR MILSATCOM (SPACE) .....	27,337	27,337	27,337		27,337
127	1206433F	WIDEBAND GLOBAL SATCOM (SPACE) .....	3,970	3,970	3,970		3,970
128	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD .....	60,565	60,565	60,565		60,565
129	1206442F	EVOLVED SBIRS .....	643,126	643,126	743,126	100,000	743,126
		Accelerate sensor development .....			[100,000]	[100,000]	
130	1206853F	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)—EMD .....	245,447	245,447	245,447		245,447
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION .....</b>	<b>5,272,191</b>	<b>6,027,191</b>	<b>5,557,191</b>	<b>227,400</b>	<b>5,499,591</b>

		<b>MANAGEMENT SUPPORT</b>					
131	0604256F	THREAT SIMULATOR DEVELOPMENT .....	34,256	34,256	34,256		34,256
132	0604759F	MAJOR T&E INVESTMENT .....	91,844	91,844	106,844	15,000	106,844
		Test infrastructure improvements .....			[15,000]	[15,000]	
133	0605101F	RAND PROJECT AIR FORCE .....	34,614	34,614	34,614		34,614
135	0605712F	INITIAL OPERATIONAL TEST & EVALUATION .....	18,043	18,043	18,043		18,043
136	0605807F	TEST AND EVALUATION SUPPORT .....	692,784	724,684	692,784	31,900	724,684
		Test range modernization .....		[31,900]		[31,900]	
137	0605826F	ACQ WORKFORCE- GLOBAL POWER .....	233,924	233,924	233,924		233,924
138	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS .....	263,488	263,488	263,488		263,488
139	0605828F	ACQ WORKFORCE- GLOBAL REACH .....	153,591	153,591	153,591		153,591
140	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS .....	232,315	232,315	232,315		232,315
141	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT .....	169,868	169,868	169,868		169,868
142	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION .....	226,219	226,219	226,219		226,219
143	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY .....	38,400	38,400	38,400		38,400
144	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS .....	125,761	125,761	125,761		125,761
147	0605898F	MANAGEMENT HQ—R&D .....	10,642	10,642	10,642		10,642
148	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	162,216	162,216	162,216		162,216
149	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT .....	28,888	28,888	28,888		28,888
150	0606017F	REQUIREMENTS ANALYSIS AND MATURATION .....	35,285	35,285	35,285		35,285
153	0308602F	ENTEPRISE INFORMATION SERVICES (EIS) .....	20,545	20,545	20,545		20,545
154	0702806F	ACQUISITION AND MANAGEMENT SUPPORT .....	12,367	12,367	12,367		12,367
155	0804731F	GENERAL SKILL TRAINING .....	1,448	1,448	1,448		1,448
157	1001004F	INTERNATIONAL ACTIVITIES .....	3,998	3,998	3,998		3,998
158	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT .....	23,254	23,254	23,254		23,254
159	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE .....	169,912	169,912	169,912		169,912
160	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA .....	10,508	10,508	10,508		10,508
161	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) .....	19,721	29,721	19,721		19,721
		Rocket systems launch program .....		[10,000]			
162	1206864F	SPACE TEST PROGRAM (STP) .....	25,620	25,620	25,620		25,620
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>2,839,511</b>	<b>2,881,411</b>	<b>2,854,511</b>	<b>46,900</b>	<b>2,886,411</b>

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Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>							
165	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING .....	11,344	11,344	11,344		11,344
167	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) .....	47,287	47,287	13,141	-6,185	41,102
		Poor agile development implementation and lengthy delivery timeline			[-34,146]	[-6,185]	
168	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY .....	32,770	32,770	32,770		32,770
169	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION .....	68,368	68,368	68,368		68,368
170	0605278F	HC/MC-130 RECAP RDT&E .....	32,574	32,574	32,574		32,574
171	0606018F	NC3 INTEGRATION .....	26,112	26,112	26,112		26,112
172	0606942F	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES .....	99,100	99,100	99,100		99,100
173	0101113F	B-52 SQUADRONS .....	280,414	295,114	295,214	14,759	295,173
		Air Force requested realignment .....		[14,700]	[14,800]	[14,759]	
174	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM) .....	5,955	5,955	5,955		5,955
175	0101126F	B-1B SQUADRONS .....	76,030	76,030	76,030	-12,800	63,230
		FITP delayed new start .....				[-12,800]	
176	0101127F	B-2 SQUADRONS .....	105,561	105,561	105,561		105,561
177	0101213F	MINUTEMAN SQUADRONS .....	156,047	156,047	156,047		156,047
179	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS .....	10,442	10,442	10,442		10,442
180	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK .....	22,833	22,833	22,833		22,833
181	0101328F	ICBM REENTRY VEHICLES .....	18,412	18,412	18,412		18,412
183	0102110F	UH-1N REPLACEMENT PROGRAM .....	288,022	288,022	288,022		288,022
184	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM	9,252	9,252	9,252		9,252
186	0205219F	MQ-9 UAV .....	115,345	115,345	115,345		115,345
188	0207131F	A-10 SQUADRONS .....	26,738	26,738	26,738		26,738
189	0207133F	F-16 SQUADRONS .....	191,564	191,564	191,564		191,564
190	0207134F	F-15E SQUADRONS .....	192,883	242,883	192,883	8,600	201,483
		ALQ-128 EW suite for ANG units .....		[50,000]		[50,000]	

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		Operational flight plan funding excess to need .....					[-41,400]	
191	0207136F	MANNED DESTRUCTIVE SUPPRESSION .....	15,238	15,238	15,238			15,238
192	0207138F	F-22A SQUADRONS .....	603,553	583,853	603,553	-15,100		588,453
		Program reduction .....		[-19,700]		[-15,100]		
193	0207142F	F-35 SQUADRONS .....	549,501	549,501	549,501			549,501
194	0207161F	TACTICAL AIM MISSILES .....	37,230	37,230	37,230			37,230
195	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) .....	61,393	61,393	61,393			61,393
196	0207227F	COMBAT RESCUE—PARARESCUE .....	647	647	647			647
198	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT .....	14,891	14,891	14,891			14,891
199	0207253F	COMPASS CALL .....	13,901	13,901	13,901			13,901
200	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM .....	121,203	121,203	121,203			121,203
202	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM) .....	60,062	60,062	60,062			60,062
203	0207410F	AIR & SPACE OPERATIONS CENTER (AOC) .....	106,102	79,602	106,102	-8,000		98,102
		Unjustified request .....		[-26,500]		[-8,000]		
204	0207412F	CONTROL AND REPORTING CENTER (CRC) .....	6,413	6,413	6,413			6,413
205	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) .....	120,664	78,864	130,664	-7,280		113,384
		Increase to accelerate 21st Century Battle Management Command and Control.				[10,000]	[10,000]	
		Program reduction .....		[-5,800]				
		Radar controller program delay .....		[-36,000]		[-17,280]		
206	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS .....	2,659	2,659	2,659			2,659
208	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES .....	10,316	10,316	10,316			10,316
209	0207444F	TACTICAL AIR CONTROL PARTY-MOD .....	6,149	6,149	6,149			6,149
210	0207448F	C2ISR TACTICAL DATA LINK .....	1,738	1,738	1,738			1,738
211	0207452F	DCAPEs .....	13,297	13,297	13,297			13,297
212	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS .....	1,788	1,788	1,788			1,788
213	0207581F	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS) .....	14,888	14,888	14,888			14,888
214	0207590F	SEEK EAGLE .....	24,699	24,699	24,699			24,699
215	0207601F	USAF MODELING AND SIMULATION .....	17,078	17,078	17,078			17,078
216	0207605F	WARGAMING AND SIMULATION CENTERS .....	6,141	6,141	6,141			6,141
218	0207697F	DISTRIBUTED TRAINING AND EXERCISES .....	4,225	4,225	4,225			4,225
219	0208006F	MISSION PLANNING SYSTEMS .....	63,653	63,653	63,653			63,653

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220	0208007F	TACTICAL DECEPTION .....	6,949	6,949	6,949		6,949
221	0208087F	AF OFFENSIVE CYBERSPACE OPERATIONS .....	40,526	40,526	40,526		40,526
222	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS .....	24,166	24,166	24,166		24,166
223	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2) .....	13,000	13,000	13,000		13,000
224	0208099F	UNIFIED PLATFORM (UP) .....	28,759	28,759	28,759		28,759
229	0301017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN) .....	3,579	3,579	3,579		3,579
230	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES) .....	29,620	29,620	29,620		29,620
237	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS.	6,633	6,633	6,633		6,633
238	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) .....	57,758	57,758	57,758		57,758
240	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN) .... Underexecution .....	99,088	99,088	99,088	-13,700 [-13,700]	85,388
241	0303133F	HIGH FREQUENCY RADIO SYSTEMS .....	51,612	51,612	51,612		51,612
242	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM .....	34,612	34,612	34,612		34,612
244	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE .....	2,170	2,170	2,170		2,170
246	0304260F	AIRBORNE SIGINT ENTERPRISE .....	106,873	109,873	106,873	3,000 [3,000]	109,873
247	0304310F	SIGINT single-pod development .....		[3,000]			
247	0304310F	COMMERCIAL ECONOMIC ANALYSIS .....	3,472	3,472	3,472		3,472
250	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES .....	8,608	8,608	8,608		8,608
251	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY .....	1,586	1,586	1,586		1,586
252	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM) .....	4,492	4,492	4,492		4,492
254	0305111F	WEATHER SERVICE .....	26,942	26,942	26,942		26,942
255	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCAL)S) .....	6,271	8,771	6,271	2,500 [2,500]	8,771
255	0305114F	Augmentation of air surveillance and early warning radar systems ....		[2,500]			
256	0305116F	AERIAL TARGETS .....	8,383	8,383	8,383		8,383
259	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES .....	418	418	418		418
261	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	3,845	3,845	3,845		3,845

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268	0305202F	DRAGON U-2 .....	48,518	65,518	48,518	17,000	65,518
		EO/IR sensor upgrades .....		[17,000]		[17,000]	
270	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS .....	175,334	175,334	175,334	10,000	185,334
		Gorgon Stare .....		[10,800]		[10,000]	
		Program reduction .....		[-10,800]			
271	0305207F	MANNED RECONNAISSANCE SYSTEMS .....	14,223	14,223	14,223		14,223
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	24,554	24,554	24,554		24,554
273	0305220F	RQ-4 UAV .....	221,690	211,890	221,690		221,690
		RQ-4 infrastructure unjustified request .....		[-9,800]			
274	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING .....	14,288	14,288	14,288		14,288
275	0305238F	NATO AGS .....	51,527	51,527	51,527		51,527
276	0305240F	SUPPORT TO DCGS ENTERPRISE .....	26,579	26,579	26,579		26,579
278	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES .....	8,464	8,464	8,464		8,464
280	0305881F	RAPID CYBER ACQUISITION .....	4,303	4,303	4,303		4,303
284	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2) .....	2,466	2,466	2,466		2,466
285	0307577F	INTELLIGENCE MISSION DATA (IMD) .....	4,117	4,117	4,117		4,117
287	0401115F	C-130 AIRLIFT SQUADRON .....	105,988	105,988	105,988		105,988
288	0401119F	C-5 AIRLIFT SQUADRONS (IF) .....	25,071	25,071	25,071		25,071
289	0401130F	C-17 AIRCRAFT (IF) .....	48,299	48,299	48,299		48,299
290	0401132F	C-130J PROGRAM .....	15,409	15,409	15,409		15,409
291	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM) .....	4,334	4,334	4,334		4,334
292	0401218F	KC-135S .....	3,493	3,493	3,493		3,493
293	0401219F	KC-10S .....	6,569	6,569	6,569		6,569
294	0401314F	OPERATIONAL SUPPORT AIRLIFT .....	3,172	3,172	3,172		3,172
295	0401318F	CV-22 .....	18,502	18,502	18,502		18,502
296	0401840F	AMC COMMAND AND CONTROL SYSTEM .....	1,688	1,688	1,688		1,688
297	0408011F	SPECIAL TACTICS / COMBAT CONTROL .....	2,541	2,541	2,541		2,541
298	0702207F	DEPOT MAINTENANCE (NON-IF) .....	1,897	1,897	1,897		1,897
299	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM .....	50,933	50,933	15,873		50,933
		Poor agile development implementation .....			[-35,060]		
300	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT) .....	13,787	13,787	13,787		13,787
301	0708611F	SUPPORT SYSTEMS DEVELOPMENT .....	4,497	4,497	4,497		4,497

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302	0804743F	OTHER FLIGHT TRAINING .....	2,022	2,022	2,022		2,022
303	0808716F	OTHER PERSONNEL ACTIVITIES .....	108	108	108		108
304	0901202F	JOINT PERSONNEL RECOVERY AGENCY .....	2,023	2,023	2,023		2,023
305	0901218F	CIVILIAN COMPENSATION PROGRAM .....	3,772	3,772	3,772		3,772
306	0901220F	PERSONNEL ADMINISTRATION .....	6,358	6,358	6,358		6,358
307	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY .....	1,418	1,418	1,418		1,418
308	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT .....	99,734	99,734	87,918	-5,900	93,834
		Poor agile development implementation .....			[-11,816]	[-5,900]	
309	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES .....	14,161	14,161	14,161		14,161
310	1202247F	AF TENCAP .....	26,986	26,986	26,986		26,986
311	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T) .....	80,168	80,168	80,168		80,168
312	1203110F	SATELLITE CONTROL NETWORK (SPACE) .....	17,808	17,808	17,808		17,808
314	1203165F	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS) .....	8,937	8,937	8,937		8,937
315	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER .....	59,935	59,935	59,935		59,935
316	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT .....	21,019	21,019	21,019		21,019
317	1203179F	INTEGRATED BROADCAST SERVICE (IBS) .....	8,568	8,568	8,568		8,568
318	1203182F	SPACELIFT RANGE SYSTEM (SPACE) .....	10,641	10,641	10,641		10,641
319	1203265F	GPS III SPACE SEGMENT .....	144,543	144,543	144,543		144,543
320	1203400F	SPACE SUPERIORITY INTELLIGENCE .....	16,278	16,278	16,278		16,278
321	1203614F	JSPOC MISSION SYSTEM .....	72,256	72,256	62,256	-10,000	62,256
		Assumed cost savings .....			[-10,000]	[-10,000]	
322	1203620F	NATIONAL SPACE DEFENSE CENTER .....	42,209	42,209	42,209		42,209
325	1203913F	NUDET DETECTION SYSTEM (SPACE) .....	19,778	19,778	19,778		19,778
326	1203940F	SPACE SITUATION AWARENESS OPERATIONS .....	19,572	19,572	19,572		19,572
327	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT .....	513,235	513,235	513,235		513,235
327A	999999999	CLASSIFIED PROGRAMS .....	16,534,124	16,390,224	16,534,124		16,534,124
		Classified adjustment .....		[-40,000]			

		Forward financed in the FY18 Omnibus .....				[-89,900]		
		PDSA staff reduction .....				[-14,000]		
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT .....</b>	<b>22,891,740</b>	<b>22,737,240</b>	<b>22,825,518</b>		<b>-23,106</b>	<b>22,868,634</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF .....</b>	<b>40,178,343</b>	<b>40,872,443</b>	<b>40,753,244</b>		<b>499,594</b>	<b>40,677,937</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</b>						
		<b>BASIC RESEARCH</b>						
001	0601000BR	DTRA BASIC RESEARCH .....	37,023	37,023	37,023			37,023
002	0601101E	DEFENSE RESEARCH SCIENCES .....	422,130	416,130	429,630		-6,000	416,130
		Basic research program increase .....			[5,000]			
		Critical materials .....			[2,500]			
		Program decrease .....		[-6,000]			[-6,000]	
003	0601110D8Z	BASIC RESEARCH INITIATIVES .....	42,702	42,702	52,702			42,702
		Quantum information sciences .....			[5,000]			
		University-lab research partnership .....			[5,000]			
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE .....	47,825	47,825	57,825		10,000	57,825
		TBI Treatment for blast injuries .....			[10,000]		[10,000]	
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM .....	85,919	85,919	85,919			85,919
006	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS .....	30,412	40,412	30,412		10,000	40,412
		Program increase .....		[10,000]			[10,000]	
007	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	42,103	42,103	42,103			42,103
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>708,114</b>	<b>712,114</b>	<b>735,614</b>		<b>14,000</b>	<b>722,114</b>
		<b>APPLIED RESEARCH</b>						
008	0602000D8Z	JOINT MUNITIONS TECHNOLOGY .....	19,170	19,170	21,670		2,500	21,670
		Insensitive munitions .....			[2,500]		[2,500]	
009	0602115E	BIOMEDICAL TECHNOLOGY .....	101,300	101,300	101,300			101,300
011	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM .....	51,596	51,596	51,596			51,596
012	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES .....	60,688	60,688	53,188			60,688
		General program reduction .....			[-7,500]			
013	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY .....	395,317	395,317	395,317			395,317

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014	0602383E	BIOLOGICAL WARFARE DEFENSE .....	38,640	38,640	38,640		38,640
015	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	192,674	192,674	192,674		192,674
016	0602668D8Z	CYBER SECURITY RESEARCH .....	14,969	14,969	14,969		14,969
017	0602702E	TACTICAL TECHNOLOGY .....	335,466	335,466	332,966	-2,500	332,966
		General program increase .....			[2,500]	[2,500]	
		MAD-FIRES reduction .....				[-5,000]	
018	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY .....	226,898	226,898	211,898	-8,000	218,898
		General program reduction .....			[-15,000]	[-8,000]	
019	0602716E	ELECTRONICS TECHNOLOGY .....	333,847	333,847	333,847		333,847
020	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH .....	161,151	161,151	161,151	-4,000	157,151
		JIDO program decrease .....				[-4,000]	
021	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH .....	9,300	9,300	9,300		9,300
022	1160401BB	SOF TECHNOLOGY DEVELOPMENT .....	35,921	35,921	35,921		35,921
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>1,976,937</b>	<b>1,976,937</b>	<b>1,954,437</b>	<b>-12,000</b>	<b>1,964,937</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>					
023	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY .....	25,598	25,598	25,598		25,598
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	125,271	125,271	111,271	-14,000	111,271
		General program reduction .....			[-14,000]	[-14,000]	
025	0603133D8Z	FOREIGN COMPARATIVE TESTING .....	24,532	24,532	24,532		24,532
027	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DE- VELOPMENT.	299,858	299,858	299,858	-29,000	270,858
		JIDO program decrease .....				[-29,000]	
028	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT .....	13,017	13,017	13,017		13,017
029	0603178C	WEAPONS TECHNOLOGY .....		10,000	13,400	10,000	10,000
		Accelerate hypersonic defense capability .....		[10,000]	[13,400]	[10,000]	
031	0603180C	ADVANCED RESEARCH .....	20,365	40,365	42,565	22,000	42,365

		Accelerate hypersonic missile defense .....		[20,000]	[22,200]	[22,000]	
032	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT .....	18,644	18,644	18,644		18,644
034	0603286E	ADVANCED AEROSPACE SYSTEMS .....	277,603	277,603	282,603	5,000	282,603
		Hypersonics weapons programs development and transition .....			[5,000]	[5,000]	
035	0603287E	SPACE PROGRAMS AND TECHNOLOGY .....	254,671	254,671	364,671		254,671
		Blackjack increase .....			[110,000]		
036	0603288D8Z	ANALYTIC ASSESSMENTS .....	19,472	19,472	19,472		19,472
037	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS .....	37,263	37,263	37,263		37,263
038	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA .....	13,621	13,621	13,621		13,621
039	0603294C	COMMON KILL VEHICLE TECHNOLOGY .....	189,753	100,753	189,753	−89,000	100,753
		Early to need .....		[−89,000]		[−89,000]	
040	0603342D8W	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX) .....	29,364	29,364	29,864		29,364
		Defense technology innovation .....			[500]		
041	0603375D8Z	TECHNOLOGY INNOVATION .....	83,143	83,143	103,143		83,143
		Commercial SAR satellites .....			[20,000]		
042	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	142,826	142,826	142,826		142,826
043	0603527D8Z	RETRACT LARCH .....	161,128	161,128	161,128		161,128
044	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY .....	12,918	12,918	12,918		12,918
045	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS .....	106,049	106,049	106,049		106,049
046	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES .....	12,696	12,696	5,196		12,696
		General program reduction .....			[−7,500]		
047	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM .....	114,637	114,637	121,637		114,637
		Enhancing cybersecurity for small vendors .....			[5,000]		
		Eye protection system .....			[2,000]		
048	0603680S	MANUFACTURING TECHNOLOGY PROGRAM .....	49,667	49,667	52,167	2,500	52,167
		General program increase .....			[2,500]	[2,500]	
049	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT .....	48,338	48,338	48,338		48,338
050	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS .....	11,778	11,778	12,778	1,000	12,778
		General program increase .....			[1,000]	[1,000]	
052	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM .....	76,514	76,514	86,514	10,000	86,514
		Readiness Increase .....			[10,000]	[10,000]	

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053	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT .....	168,931	168,931	173,931	5,000	173,931
		Tunable filter, support for microelectronics development .....			[5,000]	[5,000]	
054	0603727D8Z	JOINT WARFIGHTING PROGRAM .....	5,992	5,992	5,992		5,992
055	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES .....	111,099	111,099	118,599	7,500	118,599
		Support for the Electronics Resurgence Initiative .....			[7,500]	[7,500]	
056	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS .....	185,984	185,984	185,984		185,984
057	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY .....	438,569	438,569	428,569	-4,500	434,069
		General program reduction .....			[-10,000]	[-4,500]	
058	0603767E	SENSOR TECHNOLOGY .....	190,128	190,128	191,628	1,500	191,628
		Sensors and processing systems technology .....			[1,500]	[1,500]	
059	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT .....	13,564	13,564	13,564		13,564
060	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE .....	15,050	15,050	15,050		15,050
061	0603826D8Z	QUICK REACTION SPECIAL PROJECTS .....	69,626	69,626	59,626	-10,000	59,626
		General program reduction .....			[-10,000]	[-10,000]	
062	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY .....	19,415	19,415	19,415		19,415
063	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM .....	69,533	69,533	69,533		69,533
064	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY .....	96,389	96,389	111,389	15,000	111,389
		Hypersonics and directed energy test .....			[10,000]	[10,000]	
		Workforce development .....			[5,000]	[5,000]	
065	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT .....	40,582	40,582	50,582	5,000	45,582
		Readiness Increase .....			[10,000]	[5,000]	
066	0303310D8Z	CWMD SYSTEMS .....	26,644	26,644	26,644		26,644
067	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT .....	79,380	79,380	79,380		79,380
067A	0603XXD8Z	NATIONAL SECURITY INNOVATION ACTIVITIES .....			150,000	75,000	75,000
		Establish office for capital investment .....			[150,000]	[75,000]	
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT .....</b>	<b>3,699,612</b>	<b>3,640,612</b>	<b>4,038,712</b>	<b>13,000</b>	<b>3,712,612</b>

		<b>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>				
068	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	28,140	28,140	28,140	28,140
069	0603600D8Z	WALKOFF .....	92,222	92,222	92,222	92,222
070	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES .....	2,506	2,506	2,506	2,506
071	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM .....	40,016	40,016	50,016	42,016
		Readiness Increase .....			[10,000]	[2,000]
072	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT .....	214,173	359,173	398,273	398,273
		Accelerate USFK JEON delivery .....		[100,000]	[184,100]	[184,100]
		Address cyber threats .....		[45,000]		
073	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT .....	926,359	726,359	718,359	817,359
		Address cyber threats .....		[8,000]		[8,000]
		Forward financed in the FY18 Omnibus .....		[-208,000]	[-208,000]	[-117,000]
074	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL .....	129,886	129,886	129,886	129,886
075	0603884C	BALLISTIC MISSILE DEFENSE SENSORS .....	220,876	245,876	244,876	249,876
		Accelerate USFK JEON delivery .....		[20,000]	[24,000]	[24,000]
		Address cyber threats .....		[5,000]		[5,000]
076	0603890C	BMD ENABLING PROGRAMS .....	540,926	540,926	540,926	540,926
077	0603891C	SPECIAL PROGRAMS—MDA .....	422,348	422,348	422,348	422,348
078	0603892C	AEGIS BMD .....	767,539	767,539	767,539	767,539
081	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	475,168	483,168	425,168	483,168
		Address cyber threats .....		[8,000]		[8,000]
		Inconsistent capability delivery .....			[-50,000]	
082	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT .....	48,767	48,767	48,767	48,767
083	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC) .....	54,925	54,925	54,925	54,925
084	0603906C	REGARDING TRENCH .....	16,916	16,916	16,916	16,916
085	0603907C	SEA BASED X-BAND RADAR (SBX) .....	149,715	116,715	116,715	136,715
		Forward financed in the FY18 Omnibus .....		[-33,000]	[-33,000]	[-13,000]
086	0603913C	ISRAELI COOPERATIVE PROGRAMS .....	300,000	300,000	300,000	300,000
087	0603914C	BALLISTIC MISSILE DEFENSE TEST .....	365,681	430,681	437,581	452,581
		Accelerate USFK JEON delivery .....		[50,000]	[71,900]	[71,900]

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		Address cyber threats .....		[15,000]		[15,000]	
088	0603915C	BALLISTIC MISSILE DEFENSE TARGETS .....	517,852	491,352	486,352	-26,500	491,352
		Accelerate USFK JEON delivery .....		[4,500]	[4,500]	[4,500]	
		Address cyber threats .....		[5,000]		[5,000]	
		Forward financed in the FY18 Omnibus .....		[-36,000]	[-36,000]	[-36,000]	
089	0603920D8Z	HUMANITARIAN DEMINING .....	11,347	11,347	11,347		11,347
090	0603923D8Z	COALITION WARFARE .....	8,528	8,528	8,528		8,528
091	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM .....	3,477	3,477	8,477	5,000	8,477
		Corrosion prevention .....			[5,000]	[5,000]	
092	0604115C	TECHNOLOGY MATURATION INITIATIVES .....	148,822	203,822	228,822	55,000	203,822
		Address cyber threats .....		[5,000]		[5,000]	
		Laser scaling for boost phase intercept .....		[50,000]	[80,000]	[50,000]	
093	0604132D8Z	MISSILE DEFEAT PROJECT .....	58,607	58,607	58,607		58,607
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	12,993	12,993	12,993	-12,993	
		JIDO program decrease .....				[-12,993]	
095	0604181C	HYPERSONIC DEFENSE .....	120,444	130,444	130,944	10,500	130,944
		Accelerate hypersonic defense capability .....		[10,000]	[10,500]	[10,500]	
096	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES .....	1,431,702	1,381,702	1,481,702		1,431,702
		Program reduction .....		[-50,000]		[-50,000]	
		Quartermaster Pathfinder .....			[50,000]	[50,000]	
097	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	233,142	233,142	238,642	5,500	238,642
		New trust approach development .....			[5,500]	[5,500]	
098	0604331D8Z	RAPID PROTOTYPING PROGRAM .....	99,333	99,333	99,333		99,333
098A	0604342D8Z	DEFENSE TECHNOLOGY OFFSET .....		100,000		100,000	100,000
		Directed energy .....		[100,000]		[100,000]	

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099	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	3,781	3,781	3,781		3,781
100	0604673C	PACIFIC DISCRIMINATING RADAR .....	95,765	95,765	95,765		95,765
101	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA) .....	3,768	3,768	3,768		3,768
103	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	22,435	22,435	22,435		22,435
104	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR) .....	164,562	164,562	164,562		164,562
105	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS .....	561,220	421,820	421,820	-139,400	421,820
		Forward financed in the FY18 Omnibus .....		[-139,400]	[-139,400]	[-139,400]	
106	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST .....	61,017	61,017	61,017		61,017
107	0604878C	AEGIS BMD TEST .....	95,756	95,756	95,756		95,756
108	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST .....	81,001	81,001	81,001		81,001
109	0604880C	LAND-BASED SM-3 (LBSM3) .....	27,692	27,842	27,692		27,692
		Retain Poland CHUs .....		[150]			
111	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST .....	81,934	72,634	72,634	-9,300	72,634
		Forward financed in the FY18 Omnibus .....		[-9,300]	[-9,300]	[-9,300]	
112	0604894C	MULTI-OBJECT KILL VEHICLE .....	8,256	8,256	8,256	-1,386	6,870
		Unjustified growth .....				[-1,386]	
113	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS .....	2,600	2,600	2,600		2,600
114	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM .....	3,104	3,104	3,104		3,104
115	0305103C	CYBER SECURITY INITIATIVE .....	985	985	985		985
116	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM .....	36,955	36,955	36,955		36,955
117	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS .....	16,484	74,484	89,484	78,000	94,484
		Address cyber threats .....		[8,000]		[5,000]	
		Develop space sensor architecture .....		[50,000]	[73,000]	[73,000]	
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES .....</b>	<b>8,709,725</b>	<b>8,717,675</b>	<b>8,752,525</b>	<b>252,421</b>	<b>8,962,146</b>
		<b>SYSTEM DEVELOPMENT AND DEMONSTRATION</b>					
118	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD	8,333	8,333	8,333		8,333
119	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT .....	263,414	413,414	263,414	150,000	413,414
		Accelerate program .....		[150,000]		[150,000]	
120	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD .....	388,701	388,701	388,701		388,701

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121	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) .....	19,503	19,503	19,503		19,503
122	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT .....	6,163	6,163	6,163		6,163
123	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT .....	11,988	11,988			11,988
		Lengthy delivery timelines .....				[-11,988]	
124	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE .....	296	296	296		296
125	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM .....	1,489	1,489	1,489		1,489
126	0605027D8Z	OUS(D) IT DEVELOPMENT INITIATIVES .....	9,590	9,590	9,590		9,590
127	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION .....	3,173	3,173	3,173		3,173
128	0605075D8Z	DCMO POLICY AND INTEGRATION .....	2,105	2,105	3,105		2,105
		Data and advanced analytics .....				[1,000]	
129	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM .....	21,156	21,156	21,156		21,156
130	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS) .....	10,731	10,731	10,731		10,731
132	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES .....	6,374	6,374			6,374
		Duplication concern .....				[-6,374]	
133	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	56,178	56,178	58,678	2,500	58,678
		New trust approach development .....				[2,500]	
134	0303141K	GLOBAL COMBAT SUPPORT SYSTEM .....	2,512	2,512	2,512		2,512
135	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM) .....	2,435	2,435	2,435		2,435
136	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION .....	17,048	17,048	17,048		17,048
		<b>SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION .....</b>	<b>831,189</b>	<b>981,189</b>	<b>816,327</b>	<b>152,500</b>	<b>983,689</b>
		<b>MANAGEMENT SUPPORT</b>					
137	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS) .....	6,661	6,661	6,661		6,661
138	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT .....	4,088	4,088	4,088		4,088
139	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP) .....	258,796	258,796	268,796	10,000	268,796
		Advanced hypersonic wind tunnel experimentation .....				[10,000]	
140	0604942D8Z	ASSESSMENTS AND EVALUATIONS .....	31,356	31,356	31,356		31,356

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141	0605001E	MISSION SUPPORT .....	65,646	65,646	65,646		65,646
142	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC) .....	84,184	84,184	89,184	5,000	89,184
		Cyber range capacity and development .....			[5,000]	[5,000]	
143	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS .....	22,576	22,576	17,576		22,576
		General program reduction .....			[-5,000]		
144	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO) .....	52,565	42,565	52,565		52,565
		Unjustified program growth .....		[-10,000]			
146	0605142D8Z	SYSTEMS ENGINEERING .....	38,872	38,872	38,872		38,872
147	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD .....	3,534	3,534	3,534		3,534
148	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY .....	5,050	5,050	5,050		5,050
149	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION .....	11,450	11,450	11,450		11,450
150	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE) .....	1,693	1,693	1,693		1,693
151	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	102,883	102,883	102,883		102,883
159	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER .....	2,545	2,545	2,545		2,545
160	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS .....	24,487	24,487	24,487		24,487
161	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC) .....	56,853	56,853	56,853		56,853
162	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION .....	24,914	24,914	24,914		24,914
163	0605804D8Z	DEVELOPMENT TEST AND EVALUATION .....	20,179	20,179	25,179	5,000	25,179
		Improve software testing capabilities .....			[5,000]	[5,000]	
164	0605898E	MANAGEMENT HQ—R&D .....	13,643	13,643	13,643		13,643
165	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC) .....	4,124	4,124	4,124		4,124
166	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS .....	5,768	5,768	5,768		5,768
167	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS .....	1,030	1,030	1,030		1,030
168	0606589D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT .....	1,000	1,000	1,000		1,000
169	0606942C	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES .....	3,400	3,400	3,400		3,400
170	0606942S	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES .....	4,000	4,000	4,000		4,000
171	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI) .....	3,008	3,008	3,008		3,008
172	0204571J	JOINT STAFF ANALYTICAL SUPPORT .....	6,658	6,658	6,658		6,658
175	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES .....	652	652	652		652
176	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO) .....	1,005	1,005	1,005		1,005
177	0305172K	COMBINED ADVANCED APPLICATIONS .....	21,363	21,363	21,363		21,363

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
180	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS .....	109,529	109,529	109,529		109,529
181	0306310D8Z	CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT .....	1,244	1,244	1,244		1,244
184	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	42,940	42,940	42,940		42,940
185	0901598C	MANAGEMENT HQ—MDA .....	28,626	28,626	28,626		28,626
187	0903235K	JOINT SERVICE PROVIDER (JSP) .....	5,104	5,104	5,104		5,104
188A	999999999	CLASSIFIED PROGRAMS .....	45,604	45,604	45,604		45,604
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,117,030</b>	<b>1,107,030</b>	<b>1,132,030</b>	<b>20,000</b>	<b>1,137,030</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>					
189	0604130V	ENTERPRISE SECURITY SYSTEM (ESS) .....	9,750	9,750	9,750		9,750
190	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,855	1,855	1,855		1,855
191	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHAIS).	304	304	304		304
192	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT .....	10,376	10,376	10,376		10,376
193	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT .....	5,915	5,915	5,915		5,915
194	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	5,869	5,869	5,869		5,869
195	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOP- MENT).	48,741	48,741	48,741		48,741
196	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS) .....	3,037	3,037	3,037		3,037
197	0208045K	C4I INTEROPERABILITY .....	62,814	62,814	62,814		62,814
203	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION .....	16,561	16,561	16,561		16,561
204	0303126K	LONG-HAUL COMMUNICATIONS—DCS .....	14,769	14,769	14,769		14,769
205	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN) ....	17,579	17,579	17,579		17,579
207	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI) .....	31,737	31,737	31,737		31,737

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208	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM .....	7,940	17,940	7,940	10,000	17,940
		Expand cyber scholarship program .....		[10,000]		[10,000]	
209	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM .....	229,252	229,252	229,252		229,252
210	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM .....	19,611	19,611	19,611		19,611
211	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM .....	46,900	46,900	46,900		46,900
212	0303153K	DEFENSE SPECTRUM ORGANIZATION .....	7,570	7,570	7,570		7,570
213	0303228K	JOINT INFORMATION ENVIRONMENT (JIE) .....	7,947	7,947	7,947		7,947
215	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY .....	39,400	39,400	39,400		39,400
224	0305186D8Z	POLICY R&D PROGRAMS .....	6,262	6,262	3,262		6,262
		General program reduction .....			[-3,000]		
225	0305199D8Z	NET CENTRICITY .....	16,780	16,780	16,780		16,780
227	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	6,286	6,286	6,286		6,286
230	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	2,970	2,970	2,970		2,970
233	0305327V	INSIDER THREAT .....	5,954	5,954	10,954		5,954
		Personnel security and continuous evaluation .....			[5,000]		
234	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM .....	2,198	2,198	2,198		2,198
240	0307577D8Z	INTELLIGENCE MISSION DATA (IMD) .....	6,889	6,889	6,889		6,889
242	0708012K	LOGISTICS SUPPORT ACTIVITIES .....	1,317	1,317	1,317		1,317
243	0708012S	PACIFIC DISASTER CENTERS .....	1,770	1,770	1,770		1,770
244	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM .....	1,805	1,805	1,805		1,805
246	1105219BB	MQ-9 UAV .....	18,403	18,403	18,403		18,403
248	1160403BB	AVIATION SYSTEMS .....	184,993	179,993	184,993	-5,000	179,993
		Realignment of funds .....		[-5,000]		[-5,000]	
249	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT .....	10,625	10,625	10,625		10,625
250	1160408BB	OPERATIONAL ENHANCEMENTS .....	102,307	102,307	102,307		102,307
251	1160431BB	WARRIOR SYSTEMS .....	46,942	51,942	46,942		46,942
		Freeze-dried canine plasma for hemorrhagic control .....		[5,000]			
252	1160432BB	SPECIAL PROGRAMS .....	2,479	2,479	2,479		2,479
253	1160434BB	UNMANNED ISR .....	27,270	27,270	27,270		27,270
254	1160480BB	SOF TACTICAL VEHICLES .....	1,121	1,121	1,121		1,121
255	1160483BB	MARITIME SYSTEMS .....	42,471	42,471	42,471		42,471
256	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES .....	4,780	4,780	4,780		4,780

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)							
Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
257	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	12,176	12,176	12,176		12,176
258	1203610K	TELEPORT PROGRAM .....	2,323	2,323	2,323		2,323
258A	9999999999	CLASSIFIED PROGRAMS .....	3,877,898	3,877,898	3,887,898	10,000	3,887,898
		Classified increase .....			[10,000]	[10,000]	
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT .....</b>	<b>4,973,946</b>	<b>4,983,946</b>	<b>4,985,946</b>	<b>15,000</b>	<b>4,988,946</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW .....</b>	<b>22,016,553</b>	<b>22,119,503</b>	<b>22,415,591</b>	<b>454,921</b>	<b>22,471,474</b>
		<b>OPERATIONAL TEST &amp; EVAL, DEFENSE MANAGEMENT SUPPORT</b>					
001	06051180TE	OPERATIONAL TEST AND EVALUATION .....	85,685	85,685	85,685		85,685
002	06051310TE	LIVE FIRE TEST AND EVALUATION .....	64,332	64,332	64,332		64,332
003	06058140TE	OPERATIONAL TEST ACTIVITIES AND ANALYSES .....	70,992	70,992	81,892	10,900	81,892
		Increase for test and evaluation technologies .....			[10,900]	[10,900]	
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>221,009</b>	<b>221,009</b>	<b>231,909</b>	<b>10,900</b>	<b>231,909</b>
		<b>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE .....</b>	<b>221,009</b>	<b>221,009</b>	<b>231,909</b>	<b>10,900</b>	<b>231,909</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>91,056,950</b>	<b>91,921,650</b>	<b>92,216,538</b>	<b>670,453</b>	<b>91,727,403</b>

**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.**

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)							
Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>							
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING .....	1,000		1,000		1,000
		Realignment of EDI APS Unit Set from OCO to Base .....		[-1,000]			
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV .....	1,500	1,500	1,500		1,500
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	3,000	3,000	3,000		3,000
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) .....	23,000		23,000		23,000
		Realignment of EDI APS Unit Set from OCO to Base .....		[-23,000]			
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES .....</b>	<b>28,500</b>	<b>28,500</b>	<b>28,500</b>		<b>28,500</b>
<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>							
088	0604328A	TRACTOR CAGE .....	12,000	12,000	12,000		12,000
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV .....	119,300	119,300	119,300		119,300
125	0605032A	TRACTOR TIRE .....	66,760	66,760	66,760		66,760
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	2,670	2,670	2,670		2,670
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	34,933	34,933	34,933		34,933
147	0303032A	TROJAN—RH12 .....	1,200	1,200	1,200		1,200
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION .....</b>	<b>236,863</b>	<b>236,863</b>	<b>236,863</b>		<b>236,863</b>
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>							
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS .....	2,548	2,548	2,548		2,548
185	0607133A	TRACTOR SMOKE .....	7,780	7,780	7,780		7,780
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM .....	2,000		2,000		2,000
		Realignment of EDI APS Unit Set from OCO to Base .....		[-2,000]			
209	0205402A	INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV .....	8,000	8,000	8,000		8,000
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	23,199	23,199	23,199		23,199

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	14,000		14,000		14,000
		Realignment of EDI APS Unit Set from OCO to Base .....		[-14,000]			
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	2,214	2,214	2,214		2,214
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT .....</b>	<b>59,741</b>	<b>59,741</b>	<b>59,741</b>		<b>59,741</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY .....</b>	<b>325,104</b>	<b>285,104</b>	<b>325,104</b>		<b>325,104</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>					
041	0603527N	RETRACT LARCH .....	18,000	18,000	18,000		18,000
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	13,900	13,900	13,900		13,900
074	0603795N	LAND ATTACK TECHNOLOGY .....	1,400	1,400	1,400		1,400
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES .....</b>	<b>33,300</b>	<b>33,300</b>	<b>33,300</b>		<b>33,300</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>					
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	1,100	1,100	1,100		1,100
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION .....</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>		<b>1,100</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>					
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	16,130	16,130	16,130		16,130
268A	9999999999	CLASSIFIED PROGRAMS .....	117,282	117,282	117,282		117,282
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT .....</b>	<b>133,412</b>	<b>133,412</b>	<b>133,412</b>		<b>133,412</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY .....</b>	<b>167,812</b>	<b>167,812</b>	<b>167,812</b>		<b>167,812</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>					
065	1206438F	SPACE CONTROL TECHNOLOGY .....	1,100	1,100	1,100		1,100
070	1206857F	OPERATIONALLY RESPONSIVE SPACE .....	12,395	12,395	12,395		12,395

		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES .....</b>	<b>13,495</b>	<b>13,495</b>	<b>13,495</b>		<b>13,495</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>					
186	0205219F	MQ-9 UAV .....	4,500	4,500	4,500		4,500
187	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE .....	4,000	4,000	4,000		4,000
188	0207131F	A-10 SQUADRONS .....	1,000	1,000	1,000		1,000
217	0207610F	BATTLEFIELD ABN COMM NODE (BACN) .....	42,349	42,349	42,349		42,349
228	0208288F	INTEL DATA APPLICATIONS .....	1,200	1,200	1,200		1,200
254	0305111F	WEATHER SERVICE .....	3,000	3,000	3,000		3,000
268	0305202F	DRAGON U-2 .....	22,100	22,100	22,100		22,100
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	29,500	29,500	29,500		29,500
310	1202247F	AF TENCAP .....	5,000	5,000	5,000		5,000
327A	9999999999	CLASSIFIED PROGRAMS .....	188,127	188,127	188,127		188,127
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT .....</b>	<b>300,776</b>	<b>300,776</b>	<b>300,776</b>		<b>300,776</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF .....</b>	<b>314,271</b>	<b>314,271</b>	<b>314,271</b>		<b>314,271</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>					
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	25,000	25,000	25,000		25,000
026	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION .....	13,648	13,648	13,648		13,648
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT .....</b>	<b>38,648</b>	<b>38,648</b>	<b>38,648</b>		<b>38,648</b>
		<b>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>					
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING. JIDO program adjustment .....	242,668	242,668	242,668	-84,161	158,507
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>	<b>242,668</b>	<b>242,668</b>	<b>242,668</b>	<b>[-84,161]</b>	<b>242,668</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>					
250	1160408BB	OPERATIONAL ENHANCEMENTS .....	3,632	3,632	3,632		3,632
251	1160431BB	WARRIOR SYSTEMS .....	11,040	11,040	11,040		11,040
253	1160434BB	UNMANNED ISR .....	11,700	11,700	11,700		11,700

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
254	1160480BB	SOF TACTICAL VEHICLES .....	725	725	725		725
258A	9999999999	CLASSIFIED PROGRAMS .....	192,131	192,131	192,131		192,131
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT .....</b>	<b>219,228</b>	<b>219,228</b>	<b>219,228</b>		<b>219,228</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW .....</b>	<b>500,544</b>	<b>500,544</b>	<b>500,544</b>	<b>-84,161</b>	<b>416,383</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>1,307,731</b>	<b>1,267,731</b>	<b>1,307,731</b>	<b>-84,161</b>	<b>1,223,570</b>

## TITLE XLIII—OPERATION AND MAINTENANCE

### SEC. 4301. OPERATION AND MAINTENANCE.

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)						
Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>OPERATION &amp; MAINTENANCE, ARMY</b>						
<b>OPERATING FORCES</b>						
010	MANEUVER UNITS .....	2,076,360	1,631,060	2,076,360	-291,000	1,785,360
	Excess growth .....				[-15,000]	
	Readiness restoration .....		[9,400]		[9,400]	
	Realign OCO requirements from Base to OCO .....		[-454,700]		[-285,400]	
020	MODULAR SUPPORT BRIGADES .....	107,946	109,746	107,946	1,800	109,746
	Readiness restoration .....		[1,800]		[1,800]	
030	ECHELONS ABOVE BRIGADE .....	732,485	588,515	732,485	7,600	740,085
	Readiness restoration .....		[7,600]		[7,600]	
	Realign OCO requirements from Base to OCO .....		[-151,570]			
040	THEATER LEVEL ASSETS .....	1,169,508	945,308	1,169,508	18,300	1,187,808
	Readiness restoration .....		[18,300]		[18,300]	
	Realign OCO requirements from Base to OCO .....		[-242,500]			
050	LAND FORCES OPERATIONS SUPPORT .....	1,180,460	1,197,960	1,180,460	17,500	1,197,960
	Readiness restoration .....		[17,500]		[17,500]	
060	AVIATION ASSETS .....	1,467,500	1,485,300	1,467,500	-32,200	1,435,300
	Readiness restoration .....		[17,800]		[17,800]	
	Unjustified program growth .....				[-50,000]	
070	FORCE READINESS OPERATIONS SUPPORT .....	4,285,211	3,680,951	4,285,211		4,285,211
	Female personal protective equipment .....		[2,000]			
	Realign OCO requirements from Base to OCO .....		[-606,260]			

SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
080	LAND FORCES SYSTEMS READINESS .....	482,201	482,201	482,201		482,201
090	LAND FORCES DEPOT MAINTENANCE .....	1,536,851	1,375,231	1,536,851	-60,100	1,476,751
	Readiness restoration .....		[111,200]		[111,200]	
	Realign OCO requirements from Base to OCO .....		[-272,820]		[-171,300]	
100	BASE OPERATIONS SUPPORT .....	8,274,299	7,668,039	8,284,299	-14,155	8,260,144
	Operation and Maintenance, Army DSMOA .....			[10,000]	[10,000]	
	Realign OCO requirements from Base to OCO .....		[-606,260]			
	Unjustified growth .....				[-24,155]	
110	FACILITIES SUSTAINMENT .....	3,516,859	2,497,978	3,516,859	-1,043,881	2,472,978
	85% Sustainment .....		[175,469]		[175,469]	
	Capability Output Level 3 Funding .....		[25,000]			
	Realignment of FSRM funds to new RM and Demo lines .....		[-1,219,350]		[-1,219,350]	
111	FACILITIES RESTORATION & MODERNIZATION .....		1,054,140		1,054,140	1,054,140
	Realignment of FSRM funds to new RM and Demo lines .....		[1,054,140]		[1,054,140]	
112	FACILITIES DEMOLITION .....		215,210		215,210	215,210
	Program increase .....		[50,000]		[50,000]	
	Realignment of FSRM funds to new RM and Demo lines .....		[165,210]		[165,210]	
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	438,733	438,733	438,733		438,733
180	US AFRICA COMMAND .....	231,518	231,518	231,518		231,518
190	US EUROPEAN COMMAND .....	150,268	150,268	150,268		150,268
200	US SOUTHERN COMMAND .....	195,964	195,964	210,264	14,300	210,264
	SOUTHCOM ABN GFE Sensor (GEOINT/SIGINT) .....			[4,200]	[4,200]	
	SOUTHCOM Cyber HUMINT (CME/OPS) .....			[1,000]	[1,000]	
	SOUTHCOM OSINT/PAI (CME/LIC/TOOLS) .....			[1,600]	[1,600]	
	SOUTHCOM Overland Airborne ISR Flight Hours .....			[7,200]	[7,200]	
	SOUTHCOM SIGINT Suite COMSAT RF .....			[300]	[300]	
210	US FORCES KOREA .....	59,625	59,625	59,625		59,625

	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>25,905,788</b>	<b>24,007,747</b>	<b>25,930,088</b>	<b>-112,486</b>	<b>25,793,302</b>
	<b>MOBILIZATION</b>					
220	STRATEGIC MOBILITY .....	370,941	370,941	370,941		370,941
230	ARMY PREPOSITIONED STOCKS .....	573,560	732,313	573,560		573,560
	Realignment of EDI APS Unit Set from OCO to Base .....		[158,753]			
240	INDUSTRIAL PREPAREDNESS .....	7,678	7,678	7,678		7,678
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>952,179</b>	<b>1,110,932</b>	<b>952,179</b>		<b>952,179</b>
	<b>TRAINING AND RECRUITING</b>					
250	OFFICER ACQUISITION .....	135,832	135,832	135,832		135,832
260	RECRUIT TRAINING .....	54,819	54,819	54,819		54,819
270	ONE STATION UNIT TRAINING .....	69,599	69,599	69,599		69,599
280	SENIOR RESERVE OFFICERS TRAINING CORPS .....	518,998	518,998	518,998		518,998
290	SPECIALIZED SKILL TRAINING .....	1,020,073	1,020,073	1,020,073	-13,000	1,007,073
	Program decrease unaccounted for .....				[-13,000]	
300	FLIGHT TRAINING .....	1,082,190	1,082,190	1,082,190		1,082,190
310	PROFESSIONAL DEVELOPMENT EDUCATION .....	220,399	220,399	220,399		220,399
320	TRAINING SUPPORT .....	611,482	611,482	611,482		611,482
330	RECRUITING AND ADVERTISING .....	698,962	698,962	498,962	-86,877	612,085
	Marketing Cuts .....			[-200,000]	[-86,877]	
340	EXAMINING .....	162,049	162,049	162,049		162,049
350	OFF-DUTY AND VOLUNTARY EDUCATION .....	215,622	215,622	215,622		215,622
360	CIVILIAN EDUCATION AND TRAINING .....	176,914	176,914	176,914		176,914
370	JUNIOR RESERVE OFFICER TRAINING CORPS .....	174,430	177,570	174,430	3,140	177,570
	Program increase .....		[3,140]		[3,140]	
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>5,141,369</b>	<b>5,144,509</b>	<b>4,941,369</b>	<b>-96,737</b>	<b>5,044,632</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>					
390	SERVICEWIDE TRANSPORTATION .....	588,047	436,447	588,047		588,047
	Realign OCO requirements from Base to OCO .....		[-151,600]			
400	CENTRAL SUPPLY ACTIVITIES .....	931,462	931,462	931,462		931,462

SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
410	LOGISTIC SUPPORT ACTIVITIES .....	696,114	696,114	696,114		696,114
420	AMMUNITION MANAGEMENT .....	461,637	461,637	461,637		461,637
430	ADMINISTRATION .....	447,564	447,564	447,564		447,564
440	SERVICEWIDE COMMUNICATIONS .....	2,069,127	2,069,127	2,069,127		2,069,127
450	MANPOWER MANAGEMENT .....	261,021	261,021	261,021		261,021
460	OTHER PERSONNEL SUPPORT .....	379,541	379,541	379,541		379,541
470	OTHER SERVICE SUPPORT .....	1,699,767	1,699,767	1,699,767	-12,000	1,687,767
	Program decrease unaccounted for .....				[-12,000]	
480	ARMY CLAIMS ACTIVITIES .....	192,686	192,686	192,686		192,686
490	REAL ESTATE MANAGEMENT .....	240,917	240,917	240,917		240,917
500	FINANCIAL MANAGEMENT AND AUDIT READINESS .....	291,569	291,569	291,569		291,569
510	INTERNATIONAL MILITARY HEADQUARTERS .....	442,656	442,656	442,656		442,656
520	MISC. SUPPORT OF OTHER NATIONS .....	48,251	58,251	48,251		48,251
	NATO Cooperative Cyber Defense Center of Excellence .....		[5,000]			
	NATO Strategic Communications Center of Excellence .....		[5,000]			
565	CLASSIFIED PROGRAMS .....	1,259,622	1,259,622	1,259,622		1,259,622
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>10,009,981</b>	<b>9,868,381</b>	<b>10,009,981</b>	<b>-12,000</b>	<b>9,997,981</b>
	<b>UNDISTRIBUTED</b>					
570	UNDISTRIBUTED .....		-894,500	-200,000	-710,000	-710,000
	Army misrepresentation of civilian pay budget request .....			[-200,000]	[-100,000]	
	Foreign Currency adjustments .....		[-210,300]		[-137,000]	
	Historical unobligated balances .....		[-694,200]		[-473,000]	
	Simulators and other technologies to reduce the use of live animal tissue for medical training .....		[10,000]			
	<b>SUBTOTAL UNDISTRIBUTED .....</b>		<b>-894,500</b>	<b>-200,000</b>	<b>-710,000</b>	<b>-710,000</b>

	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>42,009,317</b>	<b>39,237,069</b>	<b>41,633,617</b>	<b>-931,223</b>	<b>41,078,094</b>
	<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>					
	<b>OPERATING FORCES</b>					
010	MODULAR SUPPORT BRIGADES .....	13,867	13,867	13,867		13,867
020	ECHELONS ABOVE BRIGADE .....	536,438	536,438	536,438		536,438
030	THEATER LEVEL ASSETS .....	113,225	113,225	113,225		113,225
040	LAND FORCES OPERATIONS SUPPORT .....	551,141	551,141	551,141		551,141
050	AVIATION ASSETS .....	89,073	89,073	89,073		89,073
060	FORCE READINESS OPERATIONS SUPPORT .....	409,531	409,531	409,531		409,531
070	LAND FORCES SYSTEMS READINESS .....	101,411	101,411	101,411		101,411
080	LAND FORCES DEPOT MAINTENANCE .....	60,114	60,114	60,114		60,114
090	BASE OPERATIONS SUPPORT .....	595,728	595,728	595,728	-16,000	579,728
	Program decrease unaccounted for .....				[-16,000]	
100	FACILITIES SUSTAINMENT .....	304,658	263,065	304,658	-41,593	263,065
	Realignment of FSRM funds to new RM and Demo lines .....		[-71,593]		[-71,593]	
	Sustainment recovery .....		[30,000]		[30,000]	
101	FACILITIES RESTORATION & MODERNIZATION .....		49,176		49,176	49,176
	Realignment of FSRM funds to new RM and Demo lines .....		[49,176]		[49,176]	
102	FACILITIES DEMOLITION .....		22,417		22,417	22,417
	Realignment of FSRM funds to new RM and Demo lines .....		[22,417]		[22,417]	
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	22,175	22,175	22,175		22,175
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>2,797,361</b>	<b>2,827,361</b>	<b>2,797,361</b>	<b>14,000</b>	<b>2,811,361</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>					
120	SERVICEWIDE TRANSPORTATION .....	11,832	11,832	11,832		11,832
130	ADMINISTRATION .....	18,218	18,218	18,218		18,218
140	SERVICEWIDE COMMUNICATIONS .....	25,069	25,069	25,069		25,069
150	MANPOWER MANAGEMENT .....	6,248	6,248	6,248		6,248
160	RECRUITING AND ADVERTISING .....	58,181	58,181	58,181		58,181
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>119,548</b>	<b>119,548</b>	<b>119,548</b>		<b>119,548</b>

SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES .....</b>	<b>2,916,909</b>	<b>2,946,909</b>	<b>2,916,909</b>	<b>14,000</b>	<b>2,930,909</b>
	<b>OPERATION &amp; MAINTENANCE, ARNG</b>					
	<b>OPERATING FORCES</b>					
010	MANEUVER UNITS .....	810,269	810,269	810,269	-20,000	790,269
	Unjustified growth .....				[-20,000]	
020	MODULAR SUPPORT BRIGADES .....	193,402	193,402	193,402		193,402
030	ECHELONS ABOVE BRIGADE .....	753,815	753,815	753,815		753,815
040	THEATER LEVEL ASSETS .....	84,124	84,124	84,124		84,124
050	LAND FORCES OPERATIONS SUPPORT .....	31,881	31,881	31,881		31,881
060	AVIATION ASSETS .....	973,874	973,874	973,874		973,874
070	FORCE READINESS OPERATIONS SUPPORT .....	784,086	784,086	784,086		784,086
080	LAND FORCES SYSTEMS READINESS .....	51,353	51,353	51,353		51,353
090	LAND FORCES DEPOT MAINTENANCE .....	221,633	221,633	221,633		221,633
100	BASE OPERATIONS SUPPORT .....	1,129,942	1,129,942	1,129,942	-15,000	1,114,942
	Program decrease unaccounted for .....				[-15,000]	
110	FACILITIES SUSTAINMENT .....	919,947	888,760	919,947	-31,187	888,760
	Realignment of FSRM funds to new RM and Demo lines .....		[-101,187]		[-101,187]	
	Sustainment recovery .....		[70,000]		[70,000]	
111	FACILITIES RESTORATION & MODERNIZATION .....		85,859		85,859	85,859
	Realignment of FSRM funds to new RM and Demo lines .....		[85,859]		[85,859]	
112	FACILITIES DEMOLITION .....		15,328		15,328	15,328
	Realignment of FSRM funds to new RM and Demo lines .....		[15,328]		[15,328]	
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	1,010,524	1,010,524	1,010,524		1,010,524
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>6,964,850</b>	<b>7,034,850</b>	<b>6,964,850</b>	<b>35,000</b>	<b>6,999,850</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>					

130	SERVICEWIDE TRANSPORTATION .....	10,017	10,017	10,017		10,017
140	ADMINISTRATION .....	72,746	72,746	72,746		72,746
150	SERVICEWIDE COMMUNICATIONS .....	83,105	83,105	83,105		83,105
160	MANPOWER MANAGEMENT .....	10,678	10,678	10,678		10,678
170	OTHER PERSONNEL SUPPORT .....	254,753	254,753	254,753		254,753
180	REAL ESTATE MANAGEMENT .....	3,146	3,146	3,146		3,146
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>434,445</b>	<b>434,445</b>	<b>434,445</b>		<b>434,445</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>7,399,295</b>	<b>7,469,295</b>	<b>7,399,295</b>	<b>35,000</b>	<b>7,434,295</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY</b>					
	<b>OPERATING FORCES</b>					
010	MISSION AND OTHER FLIGHT OPERATIONS .....	5,372,399	5,372,399	5,372,399	-44,921	5,327,478
	Unjustified growth .....				[-44,921]	
020	FLEET AIR TRAINING .....	2,023,351	2,014,593	2,023,351	-2,000	2,021,351
	Advanced skills management .....		[-8,758]		[-2,000]	
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES .....	56,225	56,225	56,225		56,225
040	AIR OPERATIONS AND SAFETY SUPPORT .....	156,081	156,081	156,081		156,081
050	AIR SYSTEMS SUPPORT .....	682,379	682,379	682,379	-5,939	676,440
	Unjustified growth .....				[-5,939]	
060	AIRCRAFT DEPOT MAINTENANCE .....	1,253,756	1,291,156	1,253,756	37,400	1,291,156
	Readiness restoration .....		[37,400]		[37,400]	
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	66,649	66,649	66,649		66,649
080	AVIATION LOGISTICS .....	939,368	945,768	939,368		939,368
	Readiness restoration .....		[6,400]			
090	MISSION AND OTHER SHIP OPERATIONS .....	4,439,566	4,439,566	4,439,566	-26,279	4,413,287
	Excess growth .....				[-26,279]	
100	SHIP OPERATIONS SUPPORT & TRAINING .....	997,663	997,663	997,663		997,663
110	SHIP DEPOT MAINTENANCE .....	8,751,526	8,900,126	8,751,526	148,600	8,900,126
	Readiness restoration .....		[116,600]		[116,600]	
	Western Pacific Dry Dock capability .....		[32,000]		[32,000]	
120	SHIP DEPOT OPERATIONS SUPPORT .....	2,168,876	2,168,876	2,168,876		2,168,876

SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	1,349,593	1,349,593	1,351,293	-23,300	1,326,293
	Fiscal year 2018 decrease not properly accounted .....				[-25,000]	
	SOUTHCOM CCO Sensor Integration .....			[1,700]	[1,700]	
150	SPACE SYSTEMS AND SURVEILLANCE .....	215,255	215,255	215,255		215,255
160	WARFARE TACTICS .....	632,446	632,446	632,446	-15,000	617,446
	Unjustified growth .....				[-15,000]	
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	373,046	373,046	373,046		373,046
180	COMBAT SUPPORT FORCES .....	1,452,075	1,452,075	1,452,075		1,452,075
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT .....	153,719	153,719	153,719		153,719
210	COMBATANT COMMANDERS CORE OPERATIONS .....	63,039	63,039	63,039		63,039
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	89,339	89,339	89,339		89,339
230	MILITARY INFORMATION SUPPORT OPERATIONS .....	8,475	8,475	8,475		8,475
240	CYBERSPACE ACTIVITIES .....	424,088	424,088	424,088		424,088
260	FLEET BALLISTIC MISSILE .....	1,361,947	1,361,947	1,361,947		1,361,947
280	WEAPONS MAINTENANCE .....	823,952	819,452	823,952		823,952
	Insufficient budget justification for submarine acoustic systems .....		[-4,500]			
290	OTHER WEAPON SYSTEMS SUPPORT .....	494,101	494,101	494,101		494,101
300	ENTERPRISE INFORMATION .....	921,936	921,936	876,936	-45,000	876,936
	General reduction .....			[-45,000]	[-45,000]	
310	FACILITIES SUSTAINMENT .....	2,040,389	1,712,222	2,446,389	-53,747	1,986,642
	85% Sustainment .....		[101,000]			
	Capability Output Level 3 Funding .....		[20,000]			
	FSRM to 100% max executable .....			[406,000]	[310,000]	
	Project oversight (Unjustified Growth) .....		[-85,420]			
	Realignment of FSRM funds to new RM and Demo lines .....		[-363,747]		[-363,747]	
311	FACILITIES RESTORATION & MODERNIZATION .....		243,745		243,745	243,745
	Realignment of FSRM funds to new RM and Demo lines .....		[243,745]		[243,745]	

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312	FACILITIES DEMOLITION .....		160,002		160,002	160,002
	Program increase .....		[40,000]		[40,000]	
	Realignment of FSRM funds to new RM and Demo lines .....		[120,002]		[120,002]	
320	BASE OPERATING SUPPORT .....	4,414,753	4,414,753	4,414,753		4,414,753
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>41,725,992</b>	<b>41,980,714</b>	<b>42,088,692</b>	<b>373,561</b>	<b>42,099,553</b>
	<b>MOBILIZATION</b>					
330	SHIP PREPOSITIONING AND SURGE .....	549,142	400,545	549,142		549,142
	Realign DoD Mobilization Alternation to NDSF .....		[-20,858]			
	Realign LG Med Spd RO/RO Maintenance to NDSF .....		[-127,739]			
340	READY RESERVE FORCE .....	310,805		310,805		310,805
	Realign Ready Reserve Forces to NDSF .....		[-310,805]			
360	SHIP ACTIVATIONS/INACTIVATIONS .....	161,150	161,150	161,150		161,150
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	120,338	47,988	120,338		120,338
	Realign T-AH Maintenance to NDSF .....		[-72,350]			
390	COAST GUARD SUPPORT .....	24,097	24,097	24,097		24,097
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>1,165,532</b>	<b>633,780</b>	<b>1,165,532</b>		<b>1,165,532</b>
	<b>TRAINING AND RECRUITING</b>					
400	OFFICER ACQUISITION .....	145,481	145,481	145,481		145,481
410	RECRUIT TRAINING .....	9,637	9,637	9,637		9,637
420	RESERVE OFFICERS TRAINING CORPS .....	149,687	149,687	149,687		149,687
430	SPECIALIZED SKILL TRAINING .....	879,557	879,557	879,557		793,557
	Ready, Relevant Learning funding ahead of need .....				-86,000	
450	PROFESSIONAL DEVELOPMENT EDUCATION .....	184,436	186,136	184,436		186,136
	Naval Sea Cadets .....		[1,700]		1,700	
460	TRAINING SUPPORT .....	223,159	223,159	223,159		223,159
470	RECRUITING AND ADVERTISING .....	181,086	181,086	181,086		181,086
480	OFF-DUTY AND VOLUNTARY EDUCATION .....	96,006	96,006	96,006		96,006
490	CIVILIAN EDUCATION AND TRAINING .....	72,083	72,083	72,083		72,083
500	JUNIOR ROTC .....	54,156	55,106	54,156		55,106
	Program increase .....		[950]		950	

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SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)						
Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	<b>SUBTOTAL TRAINING AND RECRUITING</b>	<b>1,995,288</b>	<b>1,997,938</b>	<b>1,995,288</b>	<b>-83,350</b>	<b>1,911,938</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>					
510	ADMINISTRATION	1,089,964	1,083,964	1,089,964	-20,000	1,069,964
	Program decrease		[-6,000]		[-20,000]	
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	164,074	164,074	164,074		164,074
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,350	418,350	418,350		418,350
580	SERVICEWIDE TRANSPORTATION	167,106	167,106	167,106		167,106
600	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	333,556	333,556	333,556		333,556
610	ACQUISITION, LOGISTICS, AND OVERSIGHT	663,690	663,690	663,690		663,690
650	INVESTIGATIVE AND SECURITY SERVICES	705,087	705,087	705,087		705,087
765	CLASSIFIED PROGRAMS	574,994	574,994	574,994	10,000	584,994
	Classified adjustment				[10,000]	
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b>	<b>4,116,821</b>	<b>4,110,821</b>	<b>4,116,821</b>	<b>-10,000</b>	<b>4,106,821</b>
	<b>UNDISTRIBUTED</b>					
770	UNDISTRIBUTED		-398,100		-269,600	-269,600
	Foreign Currency adjustments		[-55,100]		[-35,900]	
	Historical unobligated balances		[-343,000]		[-233,700]	
	<b>SUBTOTAL UNDISTRIBUTED</b>		<b>-398,100</b>		<b>-269,600</b>	<b>-269,600</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY</b>	<b>49,003,633</b>	<b>48,325,153</b>	<b>49,366,333</b>	<b>10,611</b>	<b>49,014,244</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS</b>					
	<b>OPERATING FORCES</b>					
010	OPERATIONAL FORCES	873,320	885,720	873,320	9,915	883,235

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	Additional parts & spares to support intermediate & organizational maintenance .....		[8,200]		[8,200]	
	Additional training requirements .....		[4,200]		[4,200]	
	Unjustified growth .....				[-2,485]	
020	FIELD LOGISTICS .....	1,094,187	1,094,187	1,094,187		1,094,187
030	DEPOT MAINTENANCE .....	314,182	341,082	314,182	26,900	341,082
	Readiness restoration .....		[26,900]		[26,900]	
040	MARITIME PREPOSITIONING .....	98,136	98,136	98,136		98,136
050	CYBERSPACE ACTIVITIES .....	183,546	183,546	183,546		183,546
060	FACILITIES SUSTAINMENT .....	832,636	746,354	832,636	-96,282	736,354
	85% Sustainment .....		[42,400]		[42,400]	
	Capability Output Level 3 Funding .....		[10,000]			
	Realignment of FSRM funds to new RM and Demo lines .....		[-138,682]		[-138,682]	
061	FACILITIES RESTORATION & MODERNIZATION .....		61,469		61,469	61,469
	Realignment of FSRM funds to new RM and Demo lines .....		[61,469]		[61,469]	
062	FACILITIES DEMOLITION .....		107,213		107,213	107,213
	Program increase .....		[30,000]		[30,000]	
	Realignment of FSRM funds to new RM and Demo lines .....		[77,213]		[77,213]	
070	BASE OPERATING SUPPORT .....	2,151,390	2,151,390	2,151,390	-35,000	2,116,390
	Program decrease unaccounted for .....				[-35,000]	
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>5,547,397</b>	<b>5,669,097</b>	<b>5,547,397</b>	<b>74,215</b>	<b>5,621,612</b>
<b>TRAINING AND RECRUITING</b>						
080	RECRUIT TRAINING .....	16,453	16,453	16,453		16,453
090	OFFICER ACQUISITION .....	1,144	1,144	1,144		1,144
100	SPECIALIZED SKILL TRAINING .....	106,360	106,360	106,360		106,360
110	PROFESSIONAL DEVELOPMENT EDUCATION .....	46,096	46,096	46,096		46,096
120	TRAINING SUPPORT .....	389,751	389,751	389,751		389,751
130	RECRUITING AND ADVERTISING .....	201,662	201,662	201,662		201,662
140	OFF-DUTY AND VOLUNTARY EDUCATION .....	32,461	32,461	32,461		32,461
150	JUNIOR ROTC .....	24,217	24,607	24,217	390	24,607
	Program increase .....		[390]		[390]	

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SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>818,144</b>	<b>818,534</b>	<b>818,144</b>	<b>390</b>	<b>818,534</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>					
160	SERVICEWIDE TRANSPORTATION .....	29,735	29,735	29,735		29,735
170	ADMINISTRATION .....	386,375	386,375	386,375	-10,000	376,375
	Fiscal year 2018 decrease not properly accounted .....				[-10,000]	
225	CLASSIFIED PROGRAMS .....	50,859	50,859	50,859		50,859
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>466,969</b>	<b>466,969</b>	<b>466,969</b>	<b>-10,000</b>	<b>456,969</b>
	<b>UNDISTRIBUTED</b>					
230	UNDISTRIBUTED .....		-43,600		-29,400	-29,400
	Foreign Currency adjustments .....		[-13,600]		[-8,900]	
	Historical unobligated balances .....		[-30,000]		[-20,500]	
	<b>SUBTOTAL UNDISTRIBUTED</b> .....		<b>-43,600</b>		<b>-29,400</b>	<b>-29,400</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS</b> .....	<b>6,832,510</b>	<b>6,911,000</b>	<b>6,832,510</b>	<b>35,205</b>	<b>6,867,715</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES</b>					
	<b>OPERATING FORCES</b>					
010	MISSION AND OTHER FLIGHT OPERATIONS .....	569,584	569,584	569,584		569,584
020	INTERMEDIATE MAINTENANCE .....	6,902	6,902	6,902		6,902
030	AIRCRAFT DEPOT MAINTENANCE .....	109,776	109,776	109,776		109,776
040	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	538	538	538		538
050	AVIATION LOGISTICS .....	18,888	18,888	18,888		18,888
060	SHIP OPERATIONS SUPPORT & TRAINING .....	574	574	574		574
070	COMBAT COMMUNICATIONS .....	17,561	17,561	17,561		17,561
080	COMBAT SUPPORT FORCES .....	121,070	121,070	121,070	-2,040	119,030

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	Insufficient budget justification .....					[-2,040]	
090	CYBERSPACE ACTIVITIES .....	337	337	337			337
100	ENTERPRISE INFORMATION .....	23,964	23,964	23,964			23,964
110	FACILITIES SUSTAINMENT .....	36,356	41,151	36,356		4,795	41,151
	Realignment of FSRM funds to new RM and Demo lines .....		[-5,205]			[-5,205]	
	Sustainment recovery .....		[10,000]			[10,000]	
111	FACILITIES RESTORATION & MODERNIZATION .....		3,205			3,205	3,205
	Realignment of FSRM funds to new RM and Demo lines .....		[3,205]			[3,205]	
112	FACILITIES DEMOLITION .....		2,000			2,000	2,000
	Realignment of FSRM funds to new RM and Demo lines .....		[2,000]			[2,000]	
120	BASE OPERATING SUPPORT .....	103,562	103,562	103,562			103,562
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,009,112</b>	<b>1,019,112</b>	<b>1,009,112</b>		<b>7,960</b>	<b>1,017,072</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>						
130	ADMINISTRATION .....	1,868	1,868	1,868			1,868
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	12,849	12,849	12,849			12,849
160	ACQUISITION AND PROGRAM MANAGEMENT .....	3,177	3,177	3,177			3,177
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>17,894</b>	<b>17,894</b>	<b>17,894</b>			<b>17,894</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES .....</b>	<b>1,027,006</b>	<b>1,037,006</b>	<b>1,027,006</b>		<b>7,960</b>	<b>1,034,966</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE</b>						
	<b>OPERATING FORCES</b>						
010	OPERATING FORCES .....	99,173	107,873	99,173		2,000	101,173
	Additional training requirements .....		[8,700]			[2,000]	
020	DEPOT MAINTENANCE .....	19,430	19,430	19,430			19,430
030	FACILITIES SUSTAINMENT .....	39,962	25,666	39,962		-14,296	25,666
	Realignment of FSRM funds to new RM and Demo lines .....		[-22,296]			[-22,296]	
	Sustainment recovery .....		[8,000]			[8,000]	
031	FACILITIES RESTORATION & MODERNIZATION .....		22,296			22,296	22,296
	Realignment of FSRM funds to new RM and Demo lines .....		[22,296]			[22,296]	
040	BASE OPERATING SUPPORT .....	101,829	101,829	101,829			101,829

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>260,394</b>	<b>277,094</b>	<b>260,394</b>	<b>10,000</b>	<b>270,394</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>					
050	ADMINISTRATION .....	11,176	11,176	11,176		11,176
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>11,176</b>	<b>11,176</b>	<b>11,176</b>		<b>11,176</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE</b> .....	<b>271,570</b>	<b>288,270</b>	<b>271,570</b>	<b>10,000</b>	<b>281,570</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</b>					
010	PRIMARY COMBAT FORCES .....	758,178	758,178	783,178	25,000	783,178
	Increase for F-35 sustainment to accelerate depot component repair capability .....			[25,000]	[25,000]	
020	COMBAT ENHANCEMENT FORCES .....	1,509,027	1,509,027	1,509,027	-282,000	1,227,027
	Programming error—BACN .....				[-282,000]	
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) .....	1,323,330	1,323,330	1,323,330		1,323,330
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	3,511,830	3,596,330	3,511,830	71,340	3,583,170
	Fiscal year 2018 decrease not properly accounted .....				[-13,160]	
	Readiness restoration .....		[46,500]		[46,500]	
	Restoration of U-2 Tail #80-1099 .....		[38,000]		[38,000]	
050	FACILITIES SUSTAINMENT .....	2,892,705	2,621,824	2,892,705	-293,881	2,598,824
	85% Sustainment .....		[152,000]		[152,000]	
	Capability Output Level 3 Funding .....		[23,000]			
	Realignment of FSRM funds to new RM and Demo lines .....		[-445,881]		[-445,881]	
051	FACILITIES RESTORATION & MODERNIZATION .....		420,861		420,861	420,861
	Realignment of FSRM funds to new RM and Demo lines .....		[420,861]		[420,861]	
052	FACILITIES DEMOLITION .....		67,020	25,000	67,020	67,020
	Program increase .....		[42,000]	[25,000]	[42,000]	

	Realignment of FSRM funds to new RM and Demo lines .....		[25,020]		[25,020]	
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	7,613,084	7,687,884	8,258,984	380,700	7,993,784
	Increase for JSTARS buy-back .....			[95,900]	[95,900]	
	Readiness restoration .....		[74,800]		[74,800]	
	Unjustified growth .....				[-90,000]	
	WSS to 100% executable .....			[550,000]	[300,000]	
070	FLYING HOUR PROGRAM .....	4,345,208	4,345,208	4,395,208	-102,409	4,242,799
	Increase for JSTARS buy-back .....			[50,000]	[50,000]	
	Unjustified growth .....				[-152,409]	
080	BASE SUPPORT .....	5,989,215	5,989,215	5,989,215		5,989,215
090	GLOBAL C3I AND EARLY WARNING .....	928,023	928,023	928,023		928,023
100	OTHER COMBAT OPS SPT PROGRAMS .....	1,080,956	1,080,956	1,080,956		1,080,956
110	CYBERSPACE ACTIVITIES .....	879,032	879,032	879,032	-66,000	813,032
	Air Force requested transfer to SAG 42B .....				[-66,000]	
130	LAUNCH FACILITIES .....	183,777	183,777	183,777		183,777
140	SPACE CONTROL SYSTEMS .....	404,072	404,072	404,072		404,072
170	US NORTHCOM/NORAD .....	187,375	187,375	187,375		187,375
180	US STRATCOM .....	529,902	529,902	529,902		529,902
190	US CYBERCOM .....	329,474	329,474	329,474		329,474
200	US CENTCOM .....	166,024	166,024	166,024		166,024
210	US SOCOM .....	723	723	723		723
220	US TRANSCOM .....	535	535	535		535
225	CLASSIFIED PROGRAMS .....	1,164,810	1,164,810	1,164,810		1,164,810
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>33,797,280</b>	<b>34,173,580</b>	<b>34,543,180</b>	<b>220,631</b>	<b>34,017,911</b>
<b>MOBILIZATION</b>						
230	AIRLIFT OPERATIONS .....	1,307,695	1,307,695	1,307,695	-65,000	1,242,695
	Fiscal year 2018 decrease not properly accounted .....				[-65,000]	
240	MOBILIZATION PREPAREDNESS .....	144,417	144,417	144,417		144,417
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,452,112</b>	<b>1,452,112</b>	<b>1,452,112</b>	<b>-65,000</b>	<b>1,387,112</b>
<b>TRAINING AND RECRUITING</b>						

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
280	OFFICER ACQUISITION .....	133,187	133,187	133,187		133,187
290	RECRUIT TRAINING .....	25,041	25,041	25,041		25,041
300	RESERVE OFFICERS TRAINING CORPS (ROTC) .....	117,338	117,338	117,338		117,338
330	SPECIALIZED SKILL TRAINING .....	401,996	401,996	401,996		401,996
340	FLIGHT TRAINING .....	477,064	477,064	477,064		477,064
350	PROFESSIONAL DEVELOPMENT EDUCATION .....	276,423	276,423	276,423		276,423
360	TRAINING SUPPORT .....	95,948	95,948	95,948		95,948
380	RECRUITING AND ADVERTISING .....	154,530	154,530	154,530		154,530
390	EXAMINING .....	4,132	4,132	4,132		4,132
400	OFF-DUTY AND VOLUNTARY EDUCATION .....	223,150	223,150	223,150		223,150
410	CIVILIAN EDUCATION AND TRAINING .....	209,497	209,497	209,497		209,497
420	JUNIOR ROTC .....	59,908	60,908	59,908	1,000	60,908
	Program increase .....		[1,000]		[1,000]	
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>2,178,214</b>	<b>2,179,214</b>	<b>2,178,214</b>	<b>1,000</b>	<b>2,179,214</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>						
430	LOGISTICS OPERATIONS .....	681,788	681,788	681,788		681,788
440	TECHNICAL SUPPORT ACTIVITIES .....	117,812	117,812	117,812		117,812
480	ADMINISTRATION .....	953,102	953,102	953,102	-20,000	933,102
	Unjustified growth .....				[-20,000]	
490	SERVICEWIDE COMMUNICATIONS .....	358,389	358,389	358,389	66,000	424,389
	Air Force requested transfer from SAG 12D .....				[66,000]	
500	OTHER SERVICEWIDE ACTIVITIES .....	1,194,862	1,194,862	1,194,862		1,194,862
510	CIVIL AIR PATROL .....	29,594	29,594	29,594		29,594
540	INTERNATIONAL SUPPORT .....	74,959	74,959	74,959		74,959
545	CLASSIFIED PROGRAMS .....	1,222,456	1,222,456	1,222,456		1,222,456
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>4,632,962</b>	<b>4,632,962</b>	<b>4,632,962</b>	<b>46,000</b>	<b>4,678,962</b>

<b>UNDISTRIBUTED</b>					
550	UNDISTRIBUTED .....	-455,200	156,800	-164,600	-164,600
	Foreign Currency adjustments .....	[-104,500]		[-68,000]	
	Historical unobligated balances .....	[-350,700]		[-239,000]	
	Procurement of 7 DABs for PACOM .....		[156,800]	[142,400]	
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>-455,200</b>	<b>156,800</b>	<b>-164,600</b>	<b>-164,600</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE .....</b>	<b>42,060,568</b>	<b>41,982,668</b>	<b>42,963,268</b>	<b>38,031</b>
	<b>42,098,599</b>				
<b>OPERATION &amp; MAINTENANCE, AF RESERVE</b>					
<b>OPERATING FORCES</b>					
010	PRIMARY COMBAT FORCES .....	1,853,437	1,853,437	1,853,437	-15,000
	Unjustified growth .....				[-15,000]
020	MISSION SUPPORT OPERATIONS .....	205,369	205,369	205,369	
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	345,576	347,476	345,576	1,900
	Readiness restoration .....		[1,900]		[1,900]
040	FACILITIES SUSTAINMENT .....	120,736	123,103	123,536	-8,833
	Additional demo .....			[2,800]	[2,800]
	Realignment of FSRM funds to new RM and Demo lines .....		[-27,633]		[-27,633]
	Sustainment recovery .....		[30,000]		[16,000]
041	FACILITIES RESTORATION & MODERNIZATION .....		27,633		27,633
	Realignment of FSRM funds to new RM and Demo lines .....		[27,633]		[27,633]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	241,239	259,939	293,239	52,000
	Readiness restoration .....		[18,700]	[52,000]	[52,000]
060	BASE SUPPORT .....	385,922	385,922	385,922	
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,152,279</b>	<b>3,202,879</b>	<b>3,207,079</b>	<b>57,700</b>
	<b>3,209,979</b>				
<b>ADMINISTRATION AND SERVICEWIDE ACTIVITIES</b>					
070	ADMINISTRATION .....	71,188	71,188	71,188	71,188
080	RECRUITING AND ADVERTISING .....	19,429	19,429	19,429	19,429
090	MILITARY MANPOWER AND PERS MGMT (ARPC) .....	9,386	9,386	9,386	9,386

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
100	OTHER PERS SUPPORT (DISABILITY COMP) .....	7,512	7,512	7,512		7,512
110	AUDIOVISUAL .....	440	440	440		440
	<b>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES .....</b>	<b>107,955</b>	<b>107,955</b>	<b>107,955</b>		<b>107,955</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE .....</b>	<b>3,260,234</b>	<b>3,310,834</b>	<b>3,315,034</b>	<b>57,700</b>	<b>3,317,934</b>
	<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>					
010	AIRCRAFT OPERATIONS .....	2,619,940	2,619,940	2,621,540	-38,400	2,581,540
	Restoring O&M associated with buyback of 3 PMAI JSTARS aircraft .....			[1,600]	[1,600]	
	Unjustified program growth .....				[-40,000]	
020	MISSION SUPPORT OPERATIONS .....	623,265	623,265	623,265		623,265
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	748,287	748,287	748,287		748,287
040	FACILITIES SUSTAINMENT .....	303,792	289,700	303,792	-14,092	289,700
	Realignment of FSRM funds to new RM and Demo lines .....		[-34,092]		[-34,092]	
	Sustainment recovery .....		[20,000]		[20,000]	
041	FACILITIES RESTORATION & MODERNIZATION .....		31,696		31,696	31,696
	Realignment of FSRM funds to new RM and Demo lines .....		[31,696]		[31,696]	
042	FACILITIES DEMOLITION .....		2,396		2,396	2,396
	Realignment of FSRM funds to new RM and Demo lines .....		[2,396]		[2,396]	
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	1,061,759	1,064,759	1,061,759	3,000	1,064,759
	Readiness restoration .....		[3,000]		[3,000]	
060	BASE SUPPORT .....	988,333	989,233	999,333	11,900	1,000,233
	PFAS Transfer .....			[11,000]	[11,000]	
	Readiness restoration .....		[900]		[900]	
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>6,345,376</b>	<b>6,369,276</b>	<b>6,357,976</b>	<b>-3,500</b>	<b>6,341,876</b>

	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>					
070	ADMINISTRATION .....	45,711	45,711	45,711		45,711
080	RECRUITING AND ADVERTISING .....	36,535	36,535	36,535		36,535
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>82,246</b>	<b>82,246</b>	<b>82,246</b>		<b>82,246</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG .....</b>	<b>6,427,622</b>	<b>6,451,522</b>	<b>6,440,222</b>	<b>-3,500</b>	<b>6,424,122</b>
	<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>					
010	JOINT CHIEFS OF STAFF .....	430,215	430,215	432,715	2,500	432,715
	Operational logistics exercise elements .....			[2,500]	[2,500]	
020	JOINT CHIEFS OF STAFF—CE2T2 .....	602,186	602,186	602,186		602,186
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES .....	5,389,250	5,215,250	5,389,250	-77,050	5,312,200
	Civilian pay ahead of need .....		[-10,700]		[-10,700]	
	Communications .....		[-20,000]			
	DCGS-SOF .....		[-10,000]			
	MC-12 ahead of need .....		[-33,300]			
	Program decrease .....		[-100,000]		[-66,350]	
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>6,421,651</b>	<b>6,247,651</b>	<b>6,424,151</b>	<b>-74,550</b>	<b>6,347,101</b>
	<b>TRAINING AND RECRUITING</b>					
050	DEFENSE ACQUISITION UNIVERSITY .....	181,601	172,501	181,601		181,601
	Efficiencies within the 4th estate .....		[-9,100]			
060	JOINT CHIEFS OF STAFF .....	96,565	96,565	96,565		96,565
070	SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING .....	370,583	370,583	370,583		370,583
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>648,749</b>	<b>639,649</b>	<b>648,749</b>		<b>648,749</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>					
080	CIVIL MILITARY PROGRAMS .....	166,131	186,131	166,131	15,000	181,131
	STARBASE .....		[20,000]		[15,000]	
100	DEFENSE CONTRACT AUDIT AGENCY .....	625,633	594,333	625,633		625,633
	Efficiencies within the 4th estate .....		[-31,300]			

SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
110	DEFENSE CONTRACT MANAGEMENT AGENCY .....	1,465,354	1,392,054	1,465,354		1,465,354
	Efficiencies within the 4th estate .....		[-73,300]			
120	DEFENSE HUMAN RESOURCES ACTIVITY .....	859,923	816,923	859,923		859,923
	Efficiencies within the 4th estate .....		[-43,000]			
130	DEFENSE INFORMATION SYSTEMS AGENCY .....	2,106,930	2,001,630	2,106,930	-1,935	2,104,995
	Efficiencies within the 4th estate .....		[-105,300]			
	Excess growth .....				[-1,935]	
150	DEFENSE LEGAL SERVICES AGENCY .....	27,403	26,003	27,403		27,403
	Efficiencies within the 4th estate .....		[-1,400]			
160	DEFENSE LOGISTICS AGENCY .....	379,275	385,750	379,275	8,500	387,775
	Efficiencies within the 4th estate .....		[-19,000]			
	Procurement Technical Assistance Program (PTAP) .....		[25,475]		[8,500]	
170	DEFENSE MEDIA ACTIVITY .....	207,537	197,137	207,537		207,537
	Efficiencies within the 4th estate .....		[-10,400]			
180	DEFENSE PERSONNEL ACCOUNTING AGENCY .....	130,696	130,696	130,696		130,696
190	DEFENSE SECURITY COOPERATION AGENCY .....	754,711	760,711	754,711	-67,967	686,744
	Increase for Assessment, Monitoring, and Evaluation of Security Cooperation Activities .....		[6,000]			
	Program reduction—maintain level of effort .....				[-67,967]	
200	DEFENSE SECURITY SERVICE .....	789,175	789,175	852,775	-10,000	779,175
	Additional civilian FTE .....			[18,600]		
	New mission needs .....			[45,000]		
	Program excess growth .....				[-10,000]	
220	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION .....	34,951	33,251	34,951		34,951
	Efficiencies within the 4th estate .....		[-1,700]			
230	DEFENSE THREAT REDUCTION AGENCY .....	553,329	553,329	553,329		553,329
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	2,892,284	2,942,284	2,942,284	50,000	2,942,284

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	Impact Aid for Children with Severe Disabilities .....		[10,000]	[10,000]	[10,000]	
	Impact aid for schools with military dependent students .....		[40,000]	[40,000]	[40,000]	
260	MISSILE DEFENSE AGENCY .....	499,817	499,817	499,817		499,817
280	OFFICE OF ECONOMIC ADJUSTMENT .....	70,035	166,535	70,035		70,035
	Defense Community Infrastructure Program .....		[100,000]			
	Efficiencies within the 4th estate .....		[-3,500]			
290	OFFICE OF THE SECRETARY OF DEFENSE .....	1,519,655	1,530,655	1,565,655	68,000	1,587,655
	Commission on Aircraft Safety .....				[5,000]	
	Cyber Commission .....				[4,000]	
	CDC PFOS/PFOA Health Study Increment .....		[7,000]	[10,000]	[10,000]	
	Clearinghouse .....			[1,000]	[1,000]	
	Contract support for ACCM oversight as directed by Sec. 1062 of FY17 NDAA ...		[5,000]			
	Defense Environmental International Cooperations (DEIC) .....			[1,000]	[1,000]	
	Defense Fellows Program .....			[10,000]	[10,000]	
	DOD emerging contaminants .....			[1,000]	[1,000]	
	DOD environmental resilience .....			[1,000]	[1,000]	
	DOD Rewards Program Cut .....			[-3,000]		
	DW Vietnam dioxin remediation .....				[15,000]	
	Efficiencies within the 4th estate .....		[-76,000]			
	Establish Artificial Intelligence commission .....		[10,000]		[10,000]	
	Funds to support the Global Engagement Center .....		[60,000]			
	Initial capital for Department of Defense World War II Commemoration Fund ....		[2,000]			
	Readiness and Environmental Protection Initiative Increase .....			[25,000]	[10,000]	
	Training of qualified personnel to join the staff of the Boards of Corrections for Military and Naval Records .....		[3,000]			
300	SPECIAL OPERATIONS COMMAND/ADMIN & SVC-WIDE ACTIVITIES .....	97,787	97,787	97,787		97,787
310	WASHINGTON HEADQUARTERS SERVICES .....	456,407	387,907	456,407		456,407
	Efficiencies within the 4th estate .....		[-68,500]			
315	CLASSIFIED PROGRAMS .....	15,645,192	15,645,192	15,645,192		15,645,192
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>29,282,225</b>	<b>29,137,300</b>	<b>29,441,825</b>	<b>61,598</b>	<b>29,343,823</b>

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UNDISTRIBUTED

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)						
Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
320	UNDISTRIBUTED .....		-411,300		-279,800	-279,800
	Electronic physical access control systems .....		[500]			
	Foreign Currency adjustments .....		[-26,400]		[-17,200]	
	Historical unobligated balances .....		[-385,400]		[-262,600]	
	Research on women's contributions to security .....		[150]			
	Undistributed reduction .....		[-150]			
	<b>SUBTOTAL UNDISTRIBUTED</b> .....		<b>-411,300</b>		<b>-279,800</b>	<b>-279,800</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</b> .....	<b>36,352,625</b>	<b>35,613,300</b>	<b>36,514,725</b>	<b>-292,752</b>	<b>36,059,873</b>
<b>US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVITIES</b>						
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE .....	14,662	14,662	14,662		14,662
	<b>SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES</b> .....	<b>14,662</b>	<b>14,662</b>	<b>14,662</b>		<b>14,662</b>
	<b>TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF</b> .....	<b>14,662</b>	<b>14,662</b>	<b>14,662</b>		<b>14,662</b>
<b>DOD ACQUISITION WORKFORCE DEVELOPMENT FUND ACQUISITION WORKFORCE DEVELOPMENT</b>						
010	ACQ WORKFORCE DEV FD .....	400,000	400,000	400,000		400,000
	<b>SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT</b> .....	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>		<b>400,000</b>
	<b>TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND</b> .....	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>		<b>400,000</b>
<b>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID HUMANITARIAN ASSISTANCE</b>						
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID .....	107,663	107,663	107,663		107,663

	<b>SUBTOTAL HUMANITARIAN ASSISTANCE .....</b>	<b>107,663</b>	<b>107,663</b>	<b>107,663</b>		<b>107,663</b>
	<b>TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID .....</b>	<b>107,663</b>	<b>107,663</b>	<b>107,663</b>		<b>107,663</b>
	<b>COOPERATIVE THREAT REDUCTION ACCOUNT</b>					
	<b>FSU THREAT REDUCTION</b>					
010	FORMER SOVIET UNION (FSU) THREAT REDUCTION .....	335,240	335,240	335,240		335,240
	<b>SUBTOTAL FSU THREAT REDUCTION .....</b>	<b>335,240</b>	<b>335,240</b>	<b>335,240</b>		<b>335,240</b>
	<b>TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT .....</b>	<b>335,240</b>	<b>335,240</b>	<b>335,240</b>		<b>335,240</b>
	<b>ENVIRONMENTAL RESTORATION, ARMY</b>					
	<b>DEPARTMENT OF THE ARMY</b>					
060	ENVIRONMENTAL RESTORATION, ARMY .....	203,449	213,449	203,449	10,000	213,449
	PFOS/PFOA remediation increase .....		[10,000]		[10,000]	
	<b>SUBTOTAL DEPARTMENT OF THE ARMY .....</b>	<b>203,449</b>	<b>213,449</b>	<b>203,449</b>	<b>10,000</b>	<b>213,449</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, ARMY .....</b>	<b>203,449</b>	<b>213,449</b>	<b>203,449</b>	<b>10,000</b>	<b>213,449</b>
	<b>ENVIRONMENTAL RESTORATION, NAVY</b>					
	<b>DEPARTMENT OF THE NAVY</b>					
080	ENVIRONMENTAL RESTORATION, NAVY .....	329,253	339,253	329,253	10,000	339,253
	PFOS/PFOA remediation increase .....		[10,000]		[10,000]	
	<b>SUBTOTAL DEPARTMENT OF THE NAVY .....</b>	<b>329,253</b>	<b>339,253</b>	<b>329,253</b>	<b>10,000</b>	<b>339,253</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, NAVY .....</b>	<b>329,253</b>	<b>339,253</b>	<b>329,253</b>	<b>10,000</b>	<b>339,253</b>
	<b>ENVIRONMENTAL RESTORATION, AIR FORCE</b>					
	<b>DEPARTMENT OF THE AIR FORCE</b>					
100	ENVIRONMENTAL RESTORATION, AIR FORCE .....	296,808	346,808	285,808	39,000	335,808
	PFOS/PFOA remediation increase .....		[50,000]		[50,000]	
	PFOS/PFOA remediation to ANG .....			[-11,000]	[-11,000]	

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)						
Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	<b>SUBTOTAL DEPARTMENT OF THE AIR FORCE</b> .....	<b>296,808</b>	<b>346,808</b>	<b>285,808</b>	<b>39,000</b>	<b>335,808</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE</b> .....	<b>296,808</b>	<b>346,808</b>	<b>285,808</b>	<b>39,000</b>	<b>335,808</b>
	<b>ENVIRONMENTAL RESTORATION, DEFENSE DEFENSE-WIDE</b>					
120	ENVIRONMENTAL RESTORATION, DEFENSE .....	8,926	8,926	8,926		8,926
	<b>SUBTOTAL DEFENSE-WIDE</b> .....	<b>8,926</b>	<b>8,926</b>	<b>8,926</b>		<b>8,926</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION, DEFENSE</b> .....	<b>8,926</b>	<b>8,926</b>	<b>8,926</b>		<b>8,926</b>
	<b>ENVIRONMENTAL RESTORATION FORMERLY USED SITES DEFENSE-WIDE</b>					
140	ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....	212,346	212,346	212,346		212,346
	<b>SUBTOTAL DEFENSE-WIDE</b> .....	<b>212,346</b>	<b>212,346</b>	<b>212,346</b>		<b>212,346</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES</b> .....	<b>212,346</b>	<b>212,346</b>	<b>212,346</b>		<b>212,346</b>
	<b>UNDISTRIBUTED</b>					
	<b>UNDISTRIBUTED</b>					
010	UNDISTRIBUTED .....			-226,520		
	Foreign Currency Fluctuation .....			[-267,000]		
	JROTC .....			[5,480]		
	Operation and Maintenance, Air Force DSMOA .....			[10,000]		
	Operation and Maintenance, Air National Guard DSMOA .....			[15,000]		
	Operation and Maintenance, Navy DSMOA .....			[10,000]		
	<b>SUBTOTAL UNDISTRIBUTED</b> .....			<b>-226,520</b>		

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<b>TOTAL UNDISTRIBUTED</b> .....				<b>-226,520</b>		
<b>TOTAL OPERATION &amp; MAINTENANCE</b> .....	<b>199,469,636</b>	<b>195,551,373</b>	<b>200,351,316</b>	<b>-959,968</b>	<b>198,509,668</b>	

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**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS.**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)						
Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>OPERATION &amp; MAINTENANCE, ARMY</b>						
<b>OPERATING FORCES</b>						
010	MANEUVER UNITS .....	1,179,339	1,634,039	1,179,339	285,400	1,464,739
	Realign OCO requirements from Base to OCO .....		[454,700]		[285,400]	
030	ECHELONS ABOVE BRIGADE .....	25,983	177,553	25,983		25,983
	Realign OCO requirements from Base to OCO .....		[151,570]			
040	THEATER LEVEL ASSETS .....	2,189,916	2,432,416	2,189,916		2,189,916
	Realign OCO requirements from Base to OCO .....		[242,500]			
050	LAND FORCES OPERATIONS SUPPORT .....	188,609	188,609	188,609		188,609
060	AVIATION ASSETS .....	120,787	120,787	120,787		120,787
070	FORCE READINESS OPERATIONS SUPPORT .....	3,867,286	4,473,546	3,867,286		3,867,286
	Realign OCO requirements from Base to OCO .....		[606,260]			
080	LAND FORCES SYSTEMS READINESS .....	550,068	550,068	550,068		550,068
090	LAND FORCES DEPOT MAINTENANCE .....	195,873	468,693	195,873	171,300	367,173
	Realign OCO requirements from Base to OCO .....		[272,820]		[171,300]	
100	BASE OPERATIONS SUPPORT .....	109,560	715,820	109,560		109,560
	Realign OCO requirements from Base to OCO .....		[606,260]			
110	FACILITIES SUSTAINMENT .....	60,807	60,807	60,807		60,807
140	ADDITIONAL ACTIVITIES .....	5,992,222	5,992,222	5,992,222		5,992,222
150	COMMANDERS EMERGENCY RESPONSE PROGRAM .....	10,000	10,000	10,000		10,000
160	RESET .....	1,036,454	1,036,454	1,036,454		1,036,454
180	US AFRICA COMMAND .....	248,796	263,796	248,796		248,796
	Contract personnel recovery/casualty evacuation in AFRICOM .....		[15,000]			
190	US EUROPEAN COMMAND .....	98,127	98,127	98,127		98,127
200	US SOUTHERN COMMAND .....	2,550	2,550	2,550		2,550

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	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>15,876,377</b>	<b>18,225,487</b>	<b>15,876,377</b>	<b>456,700</b>	<b>16,333,077</b>
	<b>MOBILIZATION</b>					
230	ARMY PREPOSITIONED STOCKS .....	158,753		158,753		158,753
	Realignment of EDI APS Unit Set from OCO to Base .....		[-158,753]			
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>158,753</b>		<b>158,753</b>		<b>158,753</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>					
390	SERVICEWIDE TRANSPORTATION .....	712,230	863,830	712,230		712,230
	Realign OCO requirements from Base to OCO .....		[151,600]			
400	CENTRAL SUPPLY ACTIVITIES .....	44,168	44,168	44,168		44,168
410	LOGISTIC SUPPORT ACTIVITIES .....	5,300	5,300	5,300		5,300
420	AMMUNITION MANAGEMENT .....	38,597	38,597	38,597		38,597
460	OTHER PERSONNEL SUPPORT .....	109,019	109,019	109,019		109,019
490	REAL ESTATE MANAGEMENT .....	191,786	191,786	191,786		191,786
565	CLASSIFIED PROGRAMS .....	1,074,270	1,074,270	1,074,270		1,074,270
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</b> .....	<b>2,175,370</b>	<b>2,326,970</b>	<b>2,175,370</b>		<b>2,175,370</b>
	<b>UNDISTRIBUTED</b>					
570	UNDISTRIBUTED .....		-27,900			
	Historical unobligated balances .....		[-27,900]			
	<b>SUBTOTAL UNDISTRIBUTED</b> .....		<b>-27,900</b>			
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY</b> .....	<b>18,210,500</b>	<b>20,524,557</b>	<b>18,210,500</b>	<b>456,700</b>	<b>18,667,200</b>
	<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>					
	<b>OPERATING FORCES</b>					
020	ECHELONS ABOVE BRIGADE .....	20,700	20,700	20,700		20,700
060	FORCE READINESS OPERATIONS SUPPORT .....	700	700	700		700
090	BASE OPERATIONS SUPPORT .....	20,487	20,487	20,487		20,487
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>41,887</b>	<b>41,887</b>	<b>41,887</b>		<b>41,887</b>

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SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES .....</b>	<b>41,887</b>	<b>41,887</b>	<b>41,887</b>		<b>41,887</b>
	<b>OPERATION &amp; MAINTENANCE, ARNG</b>					
	<b>OPERATING FORCES</b>					
010	MANEUVER UNITS .....	42,519	42,519	42,519		42,519
020	MODULAR SUPPORT BRIGADES .....	778	778	778		778
030	ECHELONS ABOVE BRIGADE .....	12,093	12,093	12,093		12,093
040	THEATER LEVEL ASSETS .....	708	708	708		708
060	AVIATION ASSETS .....	28,135	28,135	28,135		28,135
070	FORCE READINESS OPERATIONS SUPPORT .....	5,908	5,908	5,908		5,908
100	BASE OPERATIONS SUPPORT .....	18,877	18,877	18,877		18,877
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	956	956	956		956
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>109,974</b>	<b>109,974</b>	<b>109,974</b>		<b>109,974</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>					
150	SERVICEWIDE COMMUNICATIONS .....	755	755	755		755
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>755</b>	<b>755</b>	<b>755</b>		<b>755</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>110,729</b>	<b>110,729</b>	<b>110,729</b>		<b>110,729</b>
	<b>AFGHAN NATIONAL ARMY</b>					
090	SUSTAINMENT .....	1,522,777	1,522,777	1,522,777		1,522,777
100	INFRASTRUCTURE .....	137,732	137,732	137,732		137,732
110	EQUIPMENT AND TRANSPORTATION .....	71,922	71,922	71,922		71,922
120	TRAINING AND OPERATIONS .....	175,846	175,846	175,846		175,846
	<b>SUBTOTAL AFGHAN NATIONAL ARMY .....</b>	<b>1,908,277</b>	<b>1,908,277</b>	<b>1,908,277</b>		<b>1,908,277</b>

	<b>AFGHAN NATIONAL POLICE</b>				
130	SUSTAINMENT .....	527,554	527,554	527,554	527,554
140	INFRASTRUCTURE .....	42,984	42,984	42,984	42,984
150	EQUIPMENT AND TRANSPORTATION .....	14,554	14,554	14,554	14,554
160	TRAINING AND OPERATIONS .....	181,922	181,922	181,922	181,922
	<b>SUBTOTAL AFGHAN NATIONAL POLICE .....</b>	<b>767,014</b>	<b>767,014</b>	<b>767,014</b>	<b>767,014</b>
	<b>AFGHAN AIR FORCE</b>				
170	SUSTAINMENT .....	942,279	942,279	942,279	942,279
180	INFRASTRUCTURE .....	30,350	30,350	30,350	30,350
190	EQUIPMENT AND TRANSPORTATION .....	572,310	572,310	572,310	572,310
200	TRAINING AND OPERATIONS .....	277,191	277,191	277,191	277,191
	<b>SUBTOTAL AFGHAN AIR FORCE .....</b>	<b>1,822,130</b>	<b>1,822,130</b>	<b>1,822,130</b>	<b>1,822,130</b>
	<b>AFGHAN SPECIAL SECURITY FORCES</b>				
210	SUSTAINMENT .....	353,734	353,734	353,734	353,734
220	INFRASTRUCTURE .....	43,132	43,132	43,132	43,132
230	EQUIPMENT AND TRANSPORTATION .....	151,790	151,790	151,790	151,790
240	TRAINING AND OPERATIONS .....	153,373	153,373	153,373	153,373
	<b>SUBTOTAL AFGHAN SPECIAL SECURITY FORCES .....</b>	<b>702,029</b>	<b>702,029</b>	<b>702,029</b>	<b>702,029</b>
	<b>TOTAL AFGHANISTAN SECURITY FORCES FUND .....</b>	<b>5,199,450</b>	<b>5,199,450</b>	<b>5,199,450</b>	<b>5,199,450</b>
	<b>COUNTER-ISIS TRAIN AND EQUIP FUND</b>				
	<b>COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)</b>				
010	IRAQ .....	850,000	850,000	850,000	850,000
020	SYRIA .....	300,000	300,000	300,000	300,000
030	OTHER .....	250,000	250,000	250,000	250,000
	<b>SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>1,400,000</b>	<b>1,400,000</b>	<b>1,400,000</b>	<b>1,400,000</b>
	<b>TOTAL COUNTER-ISIS TRAIN AND EQUIP FUND .....</b>	<b>1,400,000</b>	<b>1,400,000</b>	<b>1,400,000</b>	<b>1,400,000</b>

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**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>OPERATION &amp; MAINTENANCE, NAVY</b>						
<b>OPERATING FORCES</b>						
010	MISSION AND OTHER FLIGHT OPERATIONS .....	435,507	435,507	435,507		435,507
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES .....	800	800	800		800
040	AIR OPERATIONS AND SAFETY SUPPORT .....	9,394	9,394	9,394		9,394
050	AIR SYSTEMS SUPPORT .....	193,384	193,384	193,384		193,384
060	AIRCRAFT DEPOT MAINTENANCE .....	173,053	173,053	173,053		173,053
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	3,524	3,524	3,524		3,524
080	AVIATION LOGISTICS .....	60,219	60,219	60,219		60,219
090	MISSION AND OTHER SHIP OPERATIONS .....	942,960	942,960	942,960		942,960
100	SHIP OPERATIONS SUPPORT & TRAINING .....	20,236	20,236	20,236		20,236
110	SHIP DEPOT MAINTENANCE .....	1,022,647	1,022,647	1,022,647		1,022,647
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	59,553	59,553	59,553		59,553
160	WARFARE TACTICS .....	16,651	16,651	16,651		16,651
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	31,118	31,118	31,118		31,118
180	COMBAT SUPPORT FORCES .....	635,560	635,560	635,560		635,560
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT .....	4,334	4,334	4,334		4,334
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	24,800	24,800	24,800		24,800
240	CYBERSPACE ACTIVITIES .....	355	355	355		355
280	WEAPONS MAINTENANCE .....	493,033	493,033	493,033		493,033
290	OTHER WEAPON SYSTEMS SUPPORT .....	12,780	12,780	12,780		12,780
310	FACILITIES SUSTAINMENT .....	67,321	67,321	67,321		67,321
320	BASE OPERATING SUPPORT .....	211,394	211,394	211,394		211,394
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>4,418,623</b>	<b>4,418,623</b>	<b>4,418,623</b>		<b>4,418,623</b>
<b>MOBILIZATION</b>						
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	12,902	12,902	12,902		12,902

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390	COAST GUARD SUPPORT .....	165,000	165,000	165,000	165,000
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>177,902</b>	<b>177,902</b>	<b>177,902</b>	<b>177,902</b>
	<b>TRAINING AND RECRUITING</b>				
430	SPECIALIZED SKILL TRAINING .....	51,138	51,138	51,138	51,138
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>51,138</b>	<b>51,138</b>	<b>51,138</b>	<b>51,138</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>				
510	ADMINISTRATION .....	4,145	4,145	4,145	4,145
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	7,503	7,503	7,503	7,503
580	SERVICEWIDE TRANSPORTATION .....	69,297	69,297	69,297	69,297
610	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	10,912	10,912	10,912	10,912
650	INVESTIGATIVE AND SECURITY SERVICES .....	1,559	1,559	1,559	1,559
765	CLASSIFIED PROGRAMS .....	16,076	16,076	16,076	16,076
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>109,492</b>	<b>109,492</b>	<b>109,492</b>	<b>109,492</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY .....</b>	<b>4,757,155</b>	<b>4,757,155</b>	<b>4,757,155</b>	<b>4,757,155</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS</b>				
	<b>OPERATING FORCES</b>				
010	OPERATIONAL FORCES .....	734,505	734,505	734,505	734,505
020	FIELD LOGISTICS .....	212,691	212,691	212,691	212,691
030	DEPOT MAINTENANCE .....	53,040	53,040	53,040	53,040
070	BASE OPERATING SUPPORT .....	23,047	23,047	23,047	23,047
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,023,283</b>	<b>1,023,283</b>	<b>1,023,283</b>	<b>1,023,283</b>
	<b>TRAINING AND RECRUITING</b>				
120	TRAINING SUPPORT .....	30,459	30,459	30,459	30,459
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>30,459</b>	<b>30,459</b>	<b>30,459</b>	<b>30,459</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>				
160	SERVICEWIDE TRANSPORTATION .....	61,400	61,400	61,400	61,400

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SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)						
Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
170	ADMINISTRATION .....	2,108	2,108	2,108		2,108
225	CLASSIFIED PROGRAMS .....	4,650	4,650	4,650		4,650
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>68,158</b>	<b>68,158</b>	<b>68,158</b>		<b>68,158</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS .....</b>	<b>1,121,900</b>	<b>1,121,900</b>	<b>1,121,900</b>		<b>1,121,900</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES</b>					
	<b>OPERATING FORCES</b>					
020	INTERMEDIATE MAINTENANCE .....	500	500	500		500
030	AIRCRAFT DEPOT MAINTENANCE .....	11,400	11,400	11,400		11,400
080	COMBAT SUPPORT FORCES .....	13,737	13,737	13,737		13,737
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>25,637</b>	<b>25,637</b>	<b>25,637</b>		<b>25,637</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES .....</b>	<b>25,637</b>	<b>25,637</b>	<b>25,637</b>		<b>25,637</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE</b>					
	<b>OPERATING FORCES</b>					
010	OPERATING FORCES .....	2,550	2,550	2,550		2,550
040	BASE OPERATING SUPPORT .....	795	795	795		795
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,345</b>	<b>3,345</b>	<b>3,345</b>		<b>3,345</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE .....</b>	<b>3,345</b>	<b>3,345</b>	<b>3,345</b>		<b>3,345</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE</b>					
	<b>OPERATING FORCES</b>					
010	PRIMARY COMBAT FORCES .....	166,274	166,274	166,274		166,274
020	COMBAT ENHANCEMENT FORCES .....	1,492,580	1,492,580	1,492,580		1,492,580

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030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) .....	110,237	110,237	110,237	110,237
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	209,996	209,996	209,996	209,996
050	FACILITIES SUSTAINMENT .....	92,412	92,412	92,412	92,412
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	1,289,693	1,289,693	1,289,693	1,289,693
070	FLYING HOUR PROGRAM .....	2,355,264	2,355,264	2,355,264	2,355,264
080	BASE SUPPORT .....	1,141,718	1,141,718	1,141,718	1,141,718
090	GLOBAL C3I AND EARLY WARNING .....	13,537	13,537	13,537	13,537
100	OTHER COMBAT OPS SPT PROGRAMS .....	224,713	224,713	224,713	224,713
110	CYBERSPACE ACTIVITIES .....	17,353	17,353	17,353	17,353
120	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES .....	36,098	36,098	36,098	36,098
130	LAUNCH FACILITIES .....	385	385	385	385
140	SPACE CONTROL SYSTEMS .....	38,966	38,966	38,966	38,966
170	US NORTHCOM/NORAD .....	725	725	725	725
180	US STRATCOM .....	2,056	2,056	2,056	2,056
190	US CYBERCOM .....	35,189	35,189	35,189	35,189
200	US CENTCOM .....	162,691	162,691	162,691	162,691
210	US SOCOM .....	19,000	19,000	19,000	19,000
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,408,887</b>	<b>7,408,887</b>	<b>7,408,887</b>	<b>7,408,887</b>
<b>MOBILIZATION</b>					
230	AIRLIFT OPERATIONS .....	1,287,659	1,287,659	1,287,659	1,287,659
240	MOBILIZATION PREPAREDNESS .....	107,064	107,064	107,064	107,064
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,394,723</b>	<b>1,394,723</b>	<b>1,394,723</b>	<b>1,394,723</b>
<b>TRAINING AND RECRUITING</b>					
280	OFFICER ACQUISITION .....	300	300	300	300
290	RECRUIT TRAINING .....	340	340	340	340
330	SPECIALIZED SKILL TRAINING .....	25,327	25,327	25,327	25,327
340	FLIGHT TRAINING .....	844	844	844	844
350	PROFESSIONAL DEVELOPMENT EDUCATION .....	1,199	1,199	1,199	1,199
360	TRAINING SUPPORT .....	1,320	1,320	1,320	1,320
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>29,330</b>	<b>29,330</b>	<b>29,330</b>	<b>29,330</b>

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SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>ADMIN &amp; SRVWD ACTIVITIES</b>						
430	LOGISTICS OPERATIONS .....	154,485	154,485	154,485		154,485
440	TECHNICAL SUPPORT ACTIVITIES .....	13,608	13,608	13,608		13,608
480	ADMINISTRATION .....	4,814	4,814	4,814		4,814
490	SERVICEWIDE COMMUNICATIONS .....	131,123	131,123	131,123		131,123
500	OTHER SERVICEWIDE ACTIVITIES .....	97,471	97,471	97,471		97,471
540	INTERNATIONAL SUPPORT .....	240	240	240		240
545	CLASSIFIED PROGRAMS .....	51,108	51,108	51,108		51,108
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>452,849</b>	<b>452,849</b>	<b>452,849</b>		<b>452,849</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE .....</b>	<b>9,285,789</b>	<b>9,285,789</b>	<b>9,285,789</b>		<b>9,285,789</b>
<b>OPERATION &amp; MAINTENANCE, AF RESERVE</b>						
<b>OPERATING FORCES</b>						
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	51,000	51,000	51,000		51,000
060	BASE SUPPORT .....	9,500	9,500	9,500		9,500
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>60,500</b>	<b>60,500</b>	<b>60,500</b>		<b>60,500</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE .....</b>	<b>60,500</b>	<b>60,500</b>	<b>60,500</b>		<b>60,500</b>
<b>OPERATION &amp; MAINTENANCE, ANG</b>						
<b>OPERATING FORCES</b>						
020	MISSION SUPPORT OPERATIONS .....	3,560	3,560	3,560		3,560
060	BASE SUPPORT .....	12,310	12,310	12,310		12,310
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>15,870</b>	<b>15,870</b>	<b>15,870</b>		<b>15,870</b>

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	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG .....</b>	<b>15,870</b>	<b>15,870</b>	<b>15,870</b>	<b>15,870</b>	
	<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE</b>					
	<b>OPERATING FORCES</b>					
010	JOINT CHIEFS OF STAFF .....	28,671	28,671	28,671		28,671
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES .....	3,733,161	3,733,161	3,733,161		3,733,161
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,761,832</b>	<b>3,761,832</b>	<b>3,761,832</b>		<b>3,761,832</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>					
100	DEFENSE CONTRACT AUDIT AGENCY .....	1,781	1,781	1,781		1,781
110	DEFENSE CONTRACT MANAGEMENT AGENCY .....	21,723	21,723	21,723		21,723
130	DEFENSE INFORMATION SYSTEMS AGENCY .....	111,702	111,702	111,702		111,702
150	DEFENSE LEGAL SERVICES AGENCY .....	127,023	127,023	127,023		127,023
170	DEFENSE MEDIA ACTIVITY .....	14,377	14,377	14,377		14,377
190	DEFENSE SECURITY COOPERATION AGENCY .....	2,208,442	2,008,442	1,658,442	-750,000	1,458,442
	Coalition Support Funds .....			[-550,000]	[-550,000]	
	Transfer of funds to Ukraine Security Assistance fund .....		[-200,000]		[-200,000]	
230	DEFENSE THREAT REDUCTION AGENCY .....	302,250	302,250	302,250		302,250
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	31,620	31,620	31,620		31,620
290	OFFICE OF THE SECRETARY OF DEFENSE .....	16,579	16,579	16,579		16,579
310	WASHINGTON HEADQUARTERS SERVICES .....	7,766	7,766	7,766		7,766
315	CLASSIFIED PROGRAMS .....	1,944,813	1,944,813	1,944,813		1,944,813
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>4,788,076</b>	<b>4,588,076</b>	<b>4,238,076</b>	<b>-750,000</b>	<b>4,038,076</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE .....</b>	<b>8,549,908</b>	<b>8,349,908</b>	<b>7,999,908</b>	<b>-750,000</b>	<b>7,799,908</b>
	<b>UKRAINE SECURITY ASSISTANCE</b>					
	<b>UKRAINE SECURITY ASSISTANCE</b>					
010	UKRAINE SECURITY ASSISTANCE .....		250,000		250,000	250,000
	Program increase for defensive lethal assistance .....		[50,000]		[50,000]	
	Transfer of funds from the Defense Security Cooperation Agency .....		[200,000]		[200,000]	
	<b>SUBTOTAL UKRAINE SECURITY ASSISTANCE .....</b>		<b>250,000</b>		<b>250,000</b>	<b>250,000</b>

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)						
Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	TOTAL UKRAINE SECURITY ASSISTANCE .....		250,000		250,000	250,000
	TOTAL OPERATION & MAINTENANCE .....	48,782,670	51,146,727	48,232,670	-43,300	48,739,370

## TITLE XLIV—MILITARY PERSONNEL

### SEC. 4401. MILITARY PERSONNEL.

SEC. 4401. MILITARY PERSONNEL (In Thousands of Dollars)					
Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>Military Personnel Appropriations</b> .....	<b>140,689,301</b>	<b>-699,280</b>	<b>-3,062,080</b>	<b>-1,165,280</b>	<b>139,524,021</b>
Control Grade Increase .....		[7,000]			
Foreign Currency adjustments .....		[-218,000]	[-133,000]	[-133,000]	
Historical unobligated balances .....		[-761,500]	[-1,937,100]	[-1,308,500]	
JROTC program increase .....		[1,220]	[1,220]	[1,220]	
Permanently reverse BAH reduction for Military Housing Privatization Initiative .....		[275,000]		[275,000]	
Program decrease .....		[-3,000]			
End strength cut .....			[-993,200]		
<b>Medicare-Eligible Retiree Health Fund Contributions</b> .....	<b>7,533,090</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,533,090</b>
<b>Total, Military Personnel</b> .....	<b>148,222,391</b>	<b>-699,280</b>	<b>-3,062,080</b>	<b>-1,165,280</b>	<b>147,057,111</b>

**SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS.**

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)				
Item	FY 2019 Request	Conference Change	Conference Authorized	
Military Personnel Appropriations .....	4,660,661	0	4,660,661	
<b>Total, Military Personnel Appropriations .....</b>	<b>4,660,661</b>	<b>0</b>	<b>4,660,661</b>	

## TITLE XLV—OTHER AUTHORIZATIONS

### SEC. 4501. OTHER AUTHORIZATIONS.

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)					
Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>WORKING CAPITAL FUND, ARMY</b>					
ARMY ARSENALS INITIATIVE .....	59,002	59,002	59,002		59,002
ARMY SUPPLY MANAGEMENT .....	99,763	99,763	99,763		99,763
<b>TOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>158,765</b>	<b>158,765</b>	<b>158,765</b>		<b>158,765</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>					
SUPPLY MANAGEMENT .....	69,054	69,054	69,054		69,054
<b>TOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>69,054</b>	<b>69,054</b>	<b>69,054</b>		<b>69,054</b>
<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>					
SUPPLY CHAIN MANAGEMENT—DEFENSE .....	48,096	48,096	48,096		48,096
<b>TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE .....</b>	<b>48,096</b>	<b>48,096</b>	<b>48,096</b>		<b>48,096</b>
<b>WORKING CAPITAL FUND, DECA</b>					
COMMISSARY OPERATIONS .....	1,266,200	1,266,200	1,266,200		1,266,200
<b>TOTAL WORKING CAPITAL FUND, DECA .....</b>	<b>1,266,200</b>	<b>1,266,200</b>	<b>1,266,200</b>		<b>1,266,200</b>
<b>NATIONAL DEFENSE SEALIFT FUND</b>					
<b>POST DELIVERY AND OUTFITTING</b>					
SURGE SEALIFT RECAPITALIZATION .....		200,000			
Program increase—one used vessel .....		[200,000]			

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)					
Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>NATIONAL DEF SEALIFT VESSEL</b>					
LG MED SPD RO/RO MAINTENANCE .....		127,739			
Transfer from OMN .....		[127,739]			
DOD MOBILIZATION ALTERATIONS .....		20,858			
Transfer from OMN .....		[20,858]			
TAH MAINTENANCE .....		157,350			
Service Life Extension of USNS Comfort (TAH 20) .....		[85,000]			
Transfer from OMN .....		[72,350]			
<b>RESEARCH AND DEVELOPMENT</b>					
READY RESERVE AND PREPOSITIONING FORCE .....		310,805			
Transfer from OMN .....		[310,805]			
<b>TOTAL NATIONAL DEFENSE SEALIFT FUND .....</b>		<b>816,752</b>			
<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b>					
OPERATION & MAINTENANCE .....	105,997	105,997	105,997		105,997
RDT&E .....	886,728	886,728	886,728		886,728
PROCUREMENT .....	1,091	1,091	1,091		1,091
<b>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION .....</b>	<b>993,816</b>	<b>993,816</b>	<b>993,816</b>		<b>993,816</b>
<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>					
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE .....	547,171	547,171	547,171		547,171
DRUG DEMAND REDUCTION PROGRAM .....	117,900	117,900	117,900		117,900
NATIONAL GUARD COUNTER-DRUG PROGRAM .....	117,178	137,178	117,178	20,000	137,178
Combatting opioid trafficking and abuse .....		[20,000]		[20,000]	
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE .....	5,276	5,276	5,276		5,276
<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF .....</b>	<b>787,525</b>	<b>807,525</b>	<b>787,525</b>	<b>20,000</b>	<b>807,525</b>

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<b>OFFICE OF THE INSPECTOR GENERAL</b>				
OPERATION & MAINTENANCE .....	327,611	332,611	327,611	327,611
Program increase .....		[5,000]		
RDT&E .....	1,602	1,602	1,602	1,602
PROCUREMENT .....	60	60	60	60
<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>329,273</b>	<b>334,273</b>	<b>329,273</b>	<b>329,273</b>
 <b>DEFENSE HEALTH PROGRAM</b>				
IN-HOUSE CARE .....	9,738,569	9,738,569	9,738,569	9,698,569
Other costs excess growth .....				[-16,000]
Pharmaceuticals excess growth .....				[-24,000]
PRIVATE SECTOR CARE .....	15,103,735	15,103,735	15,103,735	15,103,735
CONSOLIDATED HEALTH SUPPORT .....	2,107,961	2,107,961	2,107,961	2,107,961
INFORMATION MANAGEMENT .....	2,039,878	2,039,878	2,039,878	2,039,878
MANAGEMENT ACTIVITIES .....	307,629	307,629	307,629	307,629
EDUCATION AND TRAINING .....	756,778	756,778	759,278	759,278
Specialized medical pilot program .....			[2,500]	[2,500]
BASE OPERATIONS/COMMUNICATIONS .....	2,090,845	2,090,845	2,090,845	2,090,845
RESEARCH .....	11,386	11,386	11,386	11,386
EXPLORATORY DEVELOPMENT .....	75,010	80,010	75,010	75,010
Simulators and other technologies to reduce the use of live animal tissue for medical training .....		[5,000]		
ADVANCED DEVELOPMENT .....	275,258	280,258	275,258	275,258
Simulators and other technologies to reduce the use of live animal tissue for medical training .....		[5,000]		
DEMONSTRATION/VALIDATION .....	117,529	122,529	117,529	117,529
Simulators and other technologies to reduce the use of live animal tissue for medical training .....		[5,000]		
ENGINEERING DEVELOPMENT .....	151,985	176,985	151,985	161,985
FDA approved devices to detect and monitor traumatic brain injury .....		[10,000]		[10,000]
Freeze-dried platelet derived hemostatic agents .....		[10,000]		

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**SEC. 4501. OTHER AUTHORIZATIONS**  
(In Thousands of Dollars)

Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Simulators and other technologies to reduce the use of live animal tissue for medical training .....		[5,000]			
MANAGEMENT AND SUPPORT .....	63,755	63,755	63,755		63,755
CAPABILITIES ENHANCEMENT .....	15,714	15,714	15,714		15,714
INITIAL OUTFITTING .....	33,056	33,056	33,056		33,056
REPLACEMENT & MODERNIZATION .....	343,424	343,424	343,424		343,424
DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION .....	496,680	496,680	496,680		496,680
UNDISTRIBUTED .....		-492,500		-365,500	-365,500
Foreign Currency adjustments .....		[-22,100]			
Historical unobligated balances .....		[-470,400]		[-365,500]	
<b>TOTAL DEFENSE HEALTH PROGRAM .....</b>	<b>33,729,192</b>	<b>33,276,692</b>	<b>33,731,692</b>	<b>-393,000</b>	<b>33,336,192</b>
<b>TOTAL OTHER AUTHORIZATIONS .....</b>	<b>37,381,921</b>	<b>37,771,173</b>	<b>37,384,421</b>	<b>-373,000</b>	<b>37,008,921</b>

**SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS.**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)					
Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>WORKING CAPITAL FUND, ARMY</b>					
ARMY SUPPLY MANAGEMENT .....	6,600	6,600	6,600		6,600
<b>TOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>6,600</b>	<b>6,600</b>	<b>6,600</b>		<b>6,600</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>					
SUPPLY MANAGEMENT .....	8,590	8,590	8,590		8,590
<b>TOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>8,590</b>	<b>8,590</b>	<b>8,590</b>		<b>8,590</b>
<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>					
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE .....	153,100	153,100	153,100		153,100
<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF .....</b>	<b>153,100</b>	<b>153,100</b>	<b>153,100</b>		<b>153,100</b>
<b>OFFICE OF THE INSPECTOR GENERAL</b>					
OPERATION & MAINTENANCE .....	24,692	24,692	24,692		24,692
<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>24,692</b>	<b>24,692</b>	<b>24,692</b>		<b>24,692</b>
<b>DEFENSE HEALTH PROGRAM</b>					
IN-HOUSE CARE .....	72,627	72,627	72,627		72,627
PRIVATE SECTOR CARE .....	277,066	277,066	277,066		277,066
CONSOLIDATED HEALTH SUPPORT .....	2,375	2,375	2,375		2,375
<b>TOTAL DEFENSE HEALTH PROGRAM .....</b>	<b>352,068</b>	<b>352,068</b>	<b>352,068</b>		<b>352,068</b>
<b>TOTAL OTHER AUTHORIZATIONS .....</b>	<b>545,050</b>	<b>545,050</b>	<b>545,050</b>		<b>545,050</b>

## TITLE XLVI—MILITARY CONSTRUCTION

### SEC. 4601. MILITARY CONSTRUCTION.

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)								
Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Army	Alabama	Anniston Army Depot	Weapon Maintenance Shop	5,200	5,200	5,200		5,200
Army	California	Fort Irwin	Multipurpose Range Complex	29,000	29,000	29,000		29,000
Army	Colorado	Fort Carson	Vehicle Maintenance Shop	77,000	77,000	77,000		77,000
Army	Georgia	Fort Gordon	Cyber Instructional Fac and Network Ctr	99,000	99,000	99,000		99,000
Army	Germany	East Camp Grafenwoehr	Mission Training Complex	31,000	31,000	31,000		31,000
Army	Hawaii	Fort Shafter	Command and Control Facility, Incr 4	105,000	95,000	105,000		105,000
Army	Hawaii	Wheeler Army Airfield	Rotary Wing Parking Apron	0	0	50,000	50,000	50,000
Army	Honduras	Soto Cano Air Base	Barracks	21,000	21,000	21,000		21,000
Army	Indiana	Crane Army Ammunition Plant	Railcar Holding Area	16,000	16,000	16,000		16,000
Army	Kentucky	Fort Campbell	Microgrid and Power Plant	0	18,000	18,000	18,000	18,000
Army	Kentucky	Fort Campbell	Vehicle Maintenance Shop	32,000	32,000	32,000		32,000
Army	Kentucky	Fort Knox	Digital Air/Ground Integration Range	26,000	26,000	26,000		26,000
Army	Korea	Camp Tango	Command and Control Facility	17,500	17,500	17,500		17,500
Army	Kuwait	Camp Arifjan	Vehicle Maintenance Shop	44,000	44,000	44,000		44,000
Army	Maryland	Fort Meade	Cantonment Area Roads	0	16,500	0	16,500	16,500
Army	New Jersey	Picatinny Arsenal	Munitions Disassembly Complex	41,000	41,000	41,000		41,000
Army	New Mexico	White Sands Missile Range	Information Systems Facility	40,000	40,000	40,000		40,000
Army	New York	U.S. Military Academy	Engineering Center	95,000	95,000	95,000		95,000
Army	New York	U.S. Military Academy	Parking Structure	65,000	65,000	65,000		65,000
Army	North Carolina	Fort Bragg	Dining Facility	10,000	10,000	10,000		10,000
Army	South Carolina	Fort Jackson	Trainee Barracks Complex 3, Ph2	52,000	52,000	52,000		52,000
Army	Texas	Fort Bliss	Supply Support Activity	24,000	24,000	24,000		24,000

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Army	Texas	Fort Hood	Supply Support Activity	0	9,600	9,600	9,600	9,600
Army	Virginia	Arlington National Cemetery	Arlington National Cemetery (DAR)	0	0	30,000	30,000	30,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Force Protection and Safety	0	50,000	0	35,000	35,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Host Nation Support	34,000	34,000	34,000		34,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	5,000	5,000	5,000		5,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	71,068	71,068	71,068		71,068
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	72,000	72,000	72,000		72,000
<b>Military Construction, Army Total</b>				<b>1,011,768</b>	<b>1,095,868</b>	<b>1,119,368</b>	<b>159,100</b>	<b>1,170,868</b>
Navy	Arizona	Camp Navajo	Missile Motor Magazines and U&SI	0	14,800	14,800	14,800	14,800
Navy	Bahamas	Andros Island	AUTEC Austere Quarters	31,050	31,050	31,050		31,050
Navy	Bahrain	SW Asia	Fleet Maintenance Facility & TOC	26,340	26,340	26,340		26,340
Navy	California	Camp Pendleton	62 Area Mess Hall & Consolidated Warehouse	0	0	71,700		0
Navy	California	Camp Pendleton	AAV-ACV Maintenance & Warehouse Facility	49,410	49,410	49,410		49,410
Navy	California	Camp Pendleton	Electrical Upgrades	4,020	4,020	4,020		4,020
Navy	California	Camp Pendleton	Full Motion Trainer Facility	10,670	10,670	10,670		10,670
Navy	California	Camp Pendleton	Potable Water Distribution Improvements	47,230	47,230	47,230		47,230
Navy	California	Camp Pendleton	Supply Warehouse SOI-West	0	16,600	16,600	16,600	16,600
Navy	California	Marine Corps Air Station Miramar	Airfield Security Improvements	11,500	11,500	11,500		11,500
Navy	California	Marine Corps Air Station Miramar	F-35 Vertical Landing Pads and Taxiway	20,480	20,480	20,480		20,480
Navy	California	Naval Air Station Lemoore	Communications Line Ops to Admin	0	14,900	0	14,900	14,900
Navy	California	Naval Air Station Lemoore	F-35 Maintenance Hangar	112,690	112,690	112,690		112,690
Navy	California	Naval Base Coronado	Aircraft Paint Complex	0	78,800	0		0
Navy	California	Naval Base Coronado	CMV-22B Airfield Improvements	77,780	77,780	77,780		77,780
Navy	California	Naval Base San Diego	Harbor Drive Switching Station	48,440	48,440	48,440		48,440
Navy	California	Naval Base San Diego	LCS Mission Module Readiness Center	0	19,500	0	19,500	19,500
Navy	California	Naval Base San Diego	Pier 8 Replacement	108,100	48,747	108,100	-59,353	48,747
Navy	California	Naval Base Ventura	Directed Energy Systems Intergration Lab	22,150	22,150	22,150		22,150

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Navy	California	Naval Base Ventura	Missile Assembly Build & High Explosive Mag	31,010	31,010	31,010		31,010
Navy	California	Naval Weapons Station Seal Beach	Causeway, Boat Channel & Turning Basin	117,830	117,830	117,830	-40,000	77,830
Navy	California	Naval Weapons Station Seal Beach	Missile Magazines	0	21,800	21,800	21,800	21,800
Navy	Cuba	Naval Station Guanta- namo Bay	Consolidated Fire Station	0	19,700	0	19,700	19,700
Navy	Cuba	Naval Station Guanta- namo Bay	Solid Waste Management Facility	85,000	85,000	85,000		85,000
Navy	District Of Co- lumbia	Naval Observatory	Master Time Clocks & Operations Facility	115,600	60,000	115,600	-75,600	40,000
Navy	Florida	Naval Air Station Whiting Field	Air Traffic Control Tower (North Field)	0	10,000	10,000	10,000	10,000
Navy	Florida	Naval Station Mayport	LCS Operational Training Facility Addition	29,110	29,110	29,110		29,110
Navy	Florida	Naval Station Mayport	LCS Support Facility	82,350	82,350	82,350		82,350
Navy	Georgia	Marine Corps Base Albany	Welding and Body Repair Shop Facility	0	31,900	31,900	31,900	31,900
Navy	Germany	Panzer Kaserne	MARFOREUR HQ Modernization and Expansion	43,950	43,950	43,950		43,950
Navy	Guam	Joint Region Marianas	ACE Gym & Dining	27,910	27,910	27,910		27,910
Navy	Guam	Joint Region Marianas	Earth Covered Magazines	52,270	52,270	52,270		52,270
Navy	Guam	Joint Region Marianas	Machine Gun Range	141,287	70,000	15,000	-71,287	70,000
Navy	Guam	Joint Region Marianas	Ordnance Ops	22,020	22,020	22,020		22,020
Navy	Guam	Joint Region Marianas	Unaccompanied Enlisted Housing	36,170	36,170	36,170		36,170
Navy	Guam	Naval Base Guam	X-Ray Wharf Improvements (Berth 2)	0	75,600	0	75,600	75,600
Navy	Hawaii	Joint Base Pearl Harbor- Hickam	Drydock Waterfront Facility	45,000	45,000	45,000		45,000
Navy	Hawaii	Joint Base Pearl Harbor- Hickam	Water Transmission Line	78,320	78,320	78,320		78,320
Navy	Hawaii	Marine Corps Base Ha- waii	Corrosion Control Hangar	66,100	66,100	66,100		66,100
Navy	Japan	Kadena Air Base	Tactical Operations Center	9,049	9,049	9,049		9,049

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Navy	Maine	Portsmouth Naval Yard	Dry Dock #1 Superflood Basin	109,960	51,639	109,960	-38,560	71,400
Navy	Maine	Portsmouth Naval Yard	Extend Portal Crane Rail	39,725	39,725	39,725		39,725
Navy	Mississippi	Naval Construction Battalion Center	Expeditionary Combat Skills Student Berthing	0	22,300	22,300	22,300	22,300
Navy	North Carolina	Camp Lejeune	2nd Radio BN Complex, Phase 2	0	51,300	51,300	51,300	51,300
Navy	North Carolina	Marine Corps Air Station Cherry Point	Aircraft Maintenance Hangar	133,970	60,000	27,000	-73,970	60,000
Navy	North Carolina	Marine Corps Air Station Cherry Point	Flightline Utility Modernization	106,860	55,000	106,860	-51,860	55,000
Navy	Pennsylvania	Naval Support Activity Philadelphia	Submarine Propulsor Manufacturing Support Facility	71,050	71,050	71,050		71,050
Navy	South Carolina	Marine Corps Air Station Beaufort	Cryogenics Facility	0	6,300	6,300	6,300	6,300
Navy	South Carolina	Marine Corps Air Station Beaufort	Recycling/Hazardous Waste Facility	9,517	9,517	9,517		9,517
Navy	South Carolina	Marine Corps Recruit Depot, Parris Island	Range Improvements & Modernization, Phase 2	35,190	35,190	35,190		35,190
Navy	Utah	Hill Air Force Base	D5 Missile Motor Receipt/Storage Facility	105,520	55,000	105,520	-50,520	55,000
Navy	Virginia	Marine Corps Base Quantico	Ammunition Supply Point Upgrade, Phase 2	0	13,100	13,100	13,100	13,100
Navy	Virginia	Marine Corps Base Quantico	TBS Fire Station	21,980	0	0	-21,980	0
Navy	Virginia	Portsmouth	Ships Maintenance Facility	26,120	26,120	26,120		26,120
Navy	Washington	Bangor	Pier and Maintenance Facility	88,960	88,960	88,960		88,960
Navy	Washington	Naval Air Station Whidbey Island	Fleet Support Facility	19,450	19,450	19,450		19,450
Navy	Washington	Naval Air Station Whidbey Island	Next Generation Jammer Facility	7,930	7,930	7,930		7,930
Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Force Protection and Safety	0	50,000	0	35,000	35,000
Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	185,542	177,542	185,542		185,542
Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	28,579	28,579	53,579		28,579
<b>Military Construction, Navy Total</b>				<b>2,543,189</b>	<b>2,538,898</b>	<b>2,572,752</b>	<b>-130,330</b>	<b>2,412,859</b>

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
AF	Alaska	Eielson Air Force Base	F-35 Aircraft Maintenance Unit Admin Facility	6,800	6,800	6,800		6,800
AF	Alaska	Eielson Air Force Base	F-35 Conventional Munitions Maintenance Fac	15,500	15,500	15,500		15,500
AF	Alaska	Eielson Air Force Base	F-35A CATM Range	19,000	19,000	19,000		19,000
AF	Alaska	Eielson Air Force Base	F-35A School Age Facility	22,500	22,500	22,500		22,500
AF	Arizona	Davis-Monthan Air Force Base	AGE Facility	0	15,000	15,000	15,000	15,000
AF	Arizona	Luke Air Force Base	F-35A Aircraft Maintenance Unit Facility	23,000	23,000	23,000		23,000
AF	Arizona	Luke Air Force Base	F-35A Squad Ops #6	17,000	17,000	17,000		17,000
AF	Arkansas	Little Rock Air Force Base	Dormitory - 168 PN	0	26,000	0		0
AF	Florida	Eglin Air Force Base	F-35A Integrated Trng Center Academics Bldg	34,863	34,863	34,863		34,863
AF	Florida	Eglin Air Force Base	F-35A Student Dormitory II	28,000	28,000	28,000		28,000
AF	Florida	MacDill Air Force Base	KC135 Beddown Add Flight Simulator Training	3,100	3,100	3,100		3,100
AF	Florida	Patrick Air Force Base	Main Gate	0	9,000	0	9,000	9,000
AF	Guam	Joint Region Marianas	Hayman Munitions Storage Igloos MSA 2	9,800	9,800	9,800		9,800
AF	Louisiana	Barksdale Air Force Base	Entrance Road and Gate Complex	0	12,250	0	12,250	12,250
AF	Mariana Islands	Tinian	APR—Cargo Pad with Taxiway Extension	46,000	46,000	46,000		46,000
AF	Mariana Islands	Tinian	APR—Maintenance Support Facility	4,700	4,700	4,700		4,700
AF	Maryland	Joint Base Andrews	Child Development Center	0	13,000	13,000	13,000	13,000
AF	Maryland	Joint Base Andrews	MWD Facility	0	8,000	0	8,000	8,000
AF	Maryland	Joint Base Andrews	PAR Relocate Haz Cargo Pad and EOD Range	37,000	37,000	37,000		37,000
AF	Maryland	Joint Base Andrews	Presidential Aircraft Recap Complex, Inc. 2	154,000	123,116	121,250	-24,884	129,116
AF	Massachusetts	Hanscom Air Force Base	MIT-Lincoln Laboratory (West Lab CSL/MIF)	225,000	40,000	175,000	-120,000	105,000
AF	Nebraska	Offutt Air Force Base	Parking Lot, USSTRATCOM	9,500	9,500	9,500		9,500
AF	Nevada	Creech Air Force Base	MQ-9 CPIP GCS Operations Facility	28,000	28,000	28,000		28,000
AF	Nevada	Creech Air Force Base	MQ-9 CPIP Operations & Command Center Fac.	31,000	31,000	31,000		31,000
AF	Nevada	Nellis Air Force Base	CRH Simulator	5,900	5,900	5,900		5,900
AF	New Mexico	Holloman Air Force Base	MQ-9 FTU Ops Facility	85,000	85,000	85,000		85,000
AF	New Mexico	Kirtland Air Force Base	Wyoming Gate Upgrade for Anti-Terrorism Compli- ance	0	7,000	7,000	7,000	7,000

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AF	New York	Rome Lab	Anti-Terrorism Perimeter Security / Entry Control Point	0	14,200	14,200	14,200	14,200
AF	North Dakota	Minot Air Force Base	Consolidated Helo/TRF Ops/AMU and Alert Fac	66,000	66,000	66,000		66,000
AF	Ohio	Wright-Patterson Air Force Base	ADAL Intelligence Production Complex (NASIC)	116,100	61,000	116,100	-55,100	61,000
AF	Oklahoma	Altus Air Force Base	KC-46A FTU/FTC Simulator Facility Ph 3	12,000	12,000	12,000		12,000
AF	Oklahoma	Tinker Air Force Base	KC-46A Depot Fuel Maintenance Hangar	85,000	85,000	85,000		85,000
AF	Oklahoma	Tinker Air Force Base	KC-46A Depot Maintenance Hangar	81,000	81,000	81,000		81,000
AF	Qatar	Al Udeid	Flightline Support Facilities	30,400	0	30,400	-30,400	0
AF	Qatar	Al Udeid	Personnel Deployment Processing Facility	40,000	0	40,000	-40,000	0
AF	South Carolina	Shaw Air Force Base	CPIP MQ-9 MCE GROUP	53,000	53,000	53,000		53,000
AF	Texas	Joint Base San Antonio	BMT Recruit Dormitory 6	25,000	25,000	25,000		25,000
AF	United Kingdom	Royal Air Force Lakenheath	F-35A 6 Bay Hangar	39,036	39,036	39,036		39,036
AF	United Kingdom	Royal Air Force Lakenheath	F-35A ADAL Conventional Munitions MX	9,204	9,204	9,204		9,204
AF	United Kingdom	Royal Air Force Lakenheath	F-35A ADAL Parts Store	13,926	13,926	13,926		13,926
AF	United Kingdom	Royal Air Force Lakenheath	F-35A AGE Facility	12,449	12,449	12,449		12,449
AF	United Kingdom	Royal Air Force Lakenheath	F-35A Dorm	29,541	29,541	29,541		29,541
AF	United Kingdom	Royal Air Force Lakenheath	F-35A Fuel System Maintenance Dock 2 Bay	16,880	16,880	16,880		16,880
AF	United Kingdom	Royal Air Force Lakenheath	F-35A Parking Apron	27,431	27,431	27,431		27,431
AF	Utah	Hill Air Force Base	Composite Aircraft Antenna Calibration Fac	0	26,000	26,000	26,000	26,000
AF	Washington	Fairchild—White Bluff	ADAL JPRA C2 Mission Support Facility	0	14,000	14,000	14,000	14,000
AF	Worldwide Classified	Classified Location	TACMOR—Utilities and Infrastructure Support	18,000	18,000	18,000		18,000
AF	Worldwide Unspecified	Unspecified Worldwide Locations	Force Protection and Safety	0	50,000	0	35,000	35,000
AF	Worldwide Unspecified	Various Worldwide Locations	Planning and Design	206,577	198,577	226,577		206,577
AF	Worldwide Unspecified	Various Worldwide Locations	Unspecified Minor Military Construction	38,500	38,500	38,500		38,500

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>Military Construction, Air Force Total .....</b>				<b>1,725,707</b>	<b>1,570,773</b>	<b>1,752,157</b>	<b>-116,934</b>	<b>1,608,773</b>
Def-Wide	Alabama	Anniston Army Depot	Install Microgrid	0	0	20,000		0
Def-Wide	Alaska	Clear Air Force Station	Long Range Discrim Radar Sys Complex Ph2	174,000	130,000	130,000	-44,000	130,000
Def-Wide	Alaska	Fort Greely	Missile Field #1 Expansion	8,000	0	8,000		8,000
Def-Wide	Alaska	Joint Base Elmendorf- Richardson	Operations Facility Replacement	14,000	14,000	14,000		14,000
Def-Wide	Arkansas	Little Rock Air Force Base	Hydrant Fuel System Alterations	14,000	14,000	14,000		14,000
Def-Wide	Belgium	Chievres Air Base	Europe West District Superintendent's Office	14,305	14,305	14,305		14,305
Def-Wide	California	Camp Pendleton	SOF EOD Facility—West	3,547	3,547	3,547		3,547
Def-Wide	California	Camp Pendleton	SOF Human Performance Training Center-West	9,049	9,049	9,049		9,049
Def-Wide	California	Defense Distribution Depot-Tracy	Main Access Control Point Upgrades	18,800	18,800	18,800		18,800
Def-Wide	California	Naval Base Coronado	SOF ATC Applied Instruction Facility	14,819	14,819	14,819		14,819
Def-Wide	California	Naval Base Coronado	SOF ATC Training Facility	18,329	18,329	18,329		18,329
Def-Wide	California	Naval Base Coronado	SOF Close Quarters Combat Facility	12,768	12,768	12,768		12,768
Def-Wide	California	Naval Base Coronado	SOF NSWG-1 Operations Support Facility	25,172	25,172	25,172		25,172
Def-Wide	California	NB Ventura County	SNI Energy Storage System	0	0	6,530		0
Def-Wide	Colorado	Fort Carson	SOF Human Performance Training Center	15,297	15,297	15,297		15,297
Def-Wide	Colorado	Fort Carson	SOF Mountaineering Facility	9,000	9,000	9,000		9,000
Def-Wide	CONUS Classified	Classified Location	Battalion Complex, PH2	49,222	49,222	49,222		49,222
Def-Wide	Cuba	Naval Base Guantanamo Bay	Working Dog Treatment Facility Replacement	9,080	9,080	9,080		9,080
Def-Wide	Djibouti	Camp Lemonnier	ECIP-Install PV Ground Array	0	0	3,750		0
Def-Wide	Germany	Baumholder	SOF Joint Parachute Rigging Facility	11,504	11,504	11,504		11,504
Def-Wide	Germany	Kaiserslautern Air Base	Kaiserslautern Middle School	99,955	99,955	99,955		99,955
Def-Wide	Germany	Rhine Ordnance Barracks	Medical Center Replacement Inc. 8	319,589	319,589	319,589		319,589
Def-Wide	Germany	Weisbaden	Clay Kaserne Elementary School	56,048	56,048	56,048		56,048
Def-Wide	Greece	NSA Souda Bay	Energy Management Control Systems (EMCS)	0	0	2,230		0
Def-Wide	Guam	Naval Base Guam	P-691 NBG 74 Facilities Automated Controls	0	0	4,634		0

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Def-Wide	Hawaii	Bellows AFB	Expand PV and Provide Energy Resilience to Fire Crash Rescue	0	0	2,944	0
Def-Wide	Japan	Camp McTureous	Bechtel Elementary School	94,851	94,851	94,851	94,851
Def-Wide	Japan	Iwakuni	Fuel Pier	33,200	33,200	33,200	33,200
Def-Wide	Japan	Kadena Air Base	Truck Unload Facilities	21,400	21,400	21,400	21,400
Def-Wide	Japan	Yokosuka	Kinnick High School	170,386	40,000	40,000	-130,386
Def-Wide	Kansas	Salina Training Center	PV/Water Conservation & Energy Resilience	0	0	3,500	0
Def-Wide	Kentucky	Fort Campbell	Ft Campbell Middle School	62,634	62,634	62,634	62,634
Def-Wide	Kentucky	Fort Campbell	SOF Air/Ground Integ. Urban Live Fire Range	9,091	9,091	9,091	9,091
Def-Wide	Kentucky	Fort Campbell	SOF Logistics Support Operations Facility	5,435	5,435	5,435	5,435
Def-Wide	Kentucky	Fort Campbell	SOF Multi-Use Helicopter Training Facility	5,138	5,138	5,138	5,138
Def-Wide	Louisiana	JRB NAS New Orleans	Distribution Switchgear	0	0	5,340	0
Def-Wide	Maine	Kittery	Consolidated Warehouse Replacement	11,600	11,600	11,600	11,600
Def-Wide	Maryland	Fort Meade	Mission Support Operations Warehouse Facility	30,000	30,000	30,000	30,000
Def-Wide	Maryland	Fort Meade	NSAW Recapitalize Building #2 Inc 4	218,000	218,000	191,600	218,000
Def-Wide	Maryland	Fort Meade	NSAW Recapitalize Building #3 Inc 1	99,000	99,000	99,000	99,000
Def-Wide	Missouri	St Louis	Next NGA West (N2W) Complex Phase 1 Inc. 2	213,600	181,000	50,000	-32,600
Def-Wide	Missouri	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 1	110,000	110,000	110,000	110,000
Def-Wide	New Jersey	Joint Base McGuire-Dix- Lakehurst	Hot Cargo Hydrant System Replacement	10,200	10,200	10,200	10,200
Def-Wide	North Carolina	Fort Bragg	SOF Replace Training Maze and Tower	12,109	12,109	12,109	12,109
Def-Wide	North Carolina	Fort Bragg	SOF SERE Resistance Training Lab. Complex	20,257	20,257	20,257	20,257
Def-Wide	North Carolina	New River	Amb Care Center/Dental Clinic Replacement	32,580	32,580	32,580	32,580
Def-Wide	Oklahoma	McAlester	Bulk Diesel System Replacement	7,000	7,000	7,000	7,000
Def-Wide	South Carolina	MCAS Beaufort	Electrical Hardening and Black Start CHP System	0	0	22,402	0
Def-Wide	Texas	Camp Mabry	Install Microgrid	0	0	5,500	0
Def-Wide	Texas	Joint Base San Antonio	Energy Aerospace Operations Facility	10,200	10,200	10,200	10,200
Def-Wide	Texas	Red River Army Depot	General Purpose Warehouse	71,500	71,500	71,500	71,500
Def-Wide	United Kingdom	Croughton RAF	Ambulatory Care Center Addition/Alteration	10,000	0	0	-10,000
Def-Wide	Virginia	Fort A.P. Hill	Training Campus	11,734	11,734	11,734	11,734
Def-Wide	Virginia	Fort Belvoir	Human Performance Training Center	6,127	6,127	6,127	6,127
Def-Wide	Virginia	Humphreys Engineer Cen- ter	Maintenance and Supply Facility	20,257	20,257	20,257	20,257
Def-Wide	Virginia	Joint Base Langley-Eustis	Fuel Facilities Replacement	6,900	6,900	6,900	6,900
Def-Wide	Virginia	Joint Base Langley-Eustis	Ground Vehicle Fueling Facility Replacement	5,800	5,800	5,800	5,800

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Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Def-Wide	Virginia	NAS Oceana	Super Flight Line Electrical Distribution System (FLEDS)	0	0	2,520		0
Def-Wide	Virginia	Pentagon	Exterior Infrastruc. & Security Improvements	23,650	23,650	23,650		23,650
Def-Wide	Virginia	Pentagon	North Village VACP & Fencing	12,200	12,200	12,200		12,200
Def-Wide	Virginia	Traning Center Dam Neck	SOF Magazines	8,959	8,959	8,959		8,959
Def-Wide	Washington	Joint Base Lewis-McChord	Refueling Facility	26,200	26,200	26,200		26,200
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Contingency Construction	10,000	0	10,000	-10,000	0
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	150,000	165,000	150,000	43,390	193,390
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	ERCIP Design	10,000	10,000	15,000	5,000	15,000
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Exercise Related Minor Construction	12,479	12,479	12,479		12,479
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Planning and Design	55,925	55,925	55,925		55,925
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Planning and Design	496	496	496		496
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Planning and Design	2,036	2,036	2,036		2,036
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Planning and Design	14,300	14,300	14,300		14,300
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Planning and Design	14,184	14,184	14,184	-8,000	6,184
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Unspecified Minor Construction	5,000	5,000	5,000		5,000
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Unspecified Minor Construction	10,000	10,000	10,000		10,000
Def-Wide	Worldwide Un-specified	Unspecified Worldwide Locations	Unspecified Minor Construction	13,642	13,642	13,642		13,642

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Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	3,000	3,000	3,000		3,000
Def-Wide	Worldwide Unspecified	Various Worldwide Locations	Planning & Design	42,705	42,705	42,705		42,705
Def-Wide	Worldwide Unspecified	Various Worldwide Locations	Planning and Design	55,699	55,699	55,699		55,699
Def-Wide	Worldwide Unspecified	Various Worldwide Locations	Unspecified Minor Construction	17,366	17,366	17,366		17,366
<b>Military Construction, Defense-Wide Total</b>				<b>2,693,324</b>	<b>2,473,338</b>	<b>2,403,288</b>	<b>-186,596</b>	<b>2,506,728</b>
NATO	Worldwide Unspecified	NATO Security Investment Program	NATO Security Investment Program	171,064	171,064	171,064		171,064
<b>NATO Security Investment Program Total</b>				<b>171,064</b>	<b>171,064</b>	<b>171,064</b>	<b>0</b>	<b>171,064</b>
Army NG	Alaska	Joint Base Elmendorf-Richardson	United States Property & Fiscal Office	27,000	27,000	27,000		27,000
Army NG	Illinois	Marseilles Training Center	Automated Record Fire Range	5,000	5,000	5,000		5,000
Army NG	Montana	Malta	National Guard Readiness Center	15,000	15,000	15,000		15,000
Army NG	Nevada	North Las Vegas	National Guard Readiness Center	32,000	32,000	32,000		32,000
Army NG	New Hampshire	Pembroke	National Guard Readiness Center	12,000	12,000	12,000		12,000
Army NG	North Dakota	Fargo	National Guard Readiness Center	32,000	32,000	32,000		32,000
Army NG	Ohio	Camp Ravenna	Automated Multipurpose Machine Gun Range	7,400	7,400	7,400		7,400
Army NG	Oklahoma	Lexington	Aircraft Vehicle Storage Building	0	11,000	11,000	11,000	11,000
Army NG	Oregon	Boardman	Tactical Unmanned Aerial Vehicle Hangar	0	0	11,000	11,000	11,000
Army NG	South Dakota	Rapid City	National Guard Readiness Center	15,000	15,000	15,000		15,000
Army NG	Texas	Houston	Unheated Vehicle Storage (Aircraft)	0	0	15,000		0
Army NG	Virginia	Sandston	Army Aviation Support Facility	0	0	89,000		0
Army NG	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	16,622	16,622	16,622		16,622
Army NG	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	18,100	18,100	18,100		18,100
<b>Military Construction, Army National Guard Total</b>				<b>180,122</b>	<b>191,122</b>	<b>306,122</b>	<b>22,000</b>	<b>202,122</b>
Army Res	California	Barstow	ECS Modified TEMF / Warehouse	34,000	34,000	34,000		34,000
Army Res	Washington	Yakima Training Center	ECS Modified TEMF	0	23,000	0	23,000	23,000
Army Res	Wisconsin	Fort McCoy	Transient Training Barracks	23,000	23,000	23,000		23,000

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Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Army Res	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Planning and Design	5,855	5,855	5,855		5,855
Army Res	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Unspecified Minor Construction	2,064	2,064	2,064		2,064
<b>Military Construction, Army Reserve Total</b>				<b>64,919</b>	<b>87,919</b>	<b>64,919</b>	<b>23,000</b>	<b>87,919</b>
N/MC Res	California	Naval Weapons Station Seal Beach	Reserve Training Center	21,740	21,740	21,740		21,740
N/MC Res	Georgia	Fort Benning	Reserve Training Center	13,630	13,630	13,630		13,630
N/MC Res	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Planning & Design	4,695	4,695	4,695		4,695
N/MC Res	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Unspecified Minor Construction	3,000	3,000	3,000		3,000
<b>Military Construction, Naval Reserve Total</b>				<b>43,065</b>	<b>43,065</b>	<b>43,065</b>	<b>0</b>	<b>43,065</b>
Air NG	California	Channel Islands Air Na- tional Guard Station	Construct C-130J Flight Simulator Facility	8,000	8,000	8,000		8,000
Air NG	Hawaii	Joint Base Pearl Harbor- Hickam	Construct Addition to F-22 LO/CRF B3408	17,000	17,000	17,000		17,000
Air NG	Illinois	Greater Peoria Regional Airport	Construct New Fire Crash/Rescue Station	9,000	9,000	9,000		9,000
Air NG	Louisiana	Naval Air Station Joint Reserve Base New Or- leans	NORTHCOM—Construct Alert Facilities	0	24,000	0	24,000	24,000
Air NG	Louisiana	Naval Air Station Joint Reserve Base New Or- leans	NORTHCOM—Construct Alert Apron	15,000	15,000	15,000	0	15,000
Air NG	Minnesota	Duluth International Air- port	Construct Small Arms Range	0	8,000	0	8,000	8,000

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Air NG	Montana	Great Falls International Airport	Construct Aircraft Apron	0	9,000	0	9,000	9,000
Air NG	New York	Francis S. Gabreski Airport	Security Forces/Comm.Training Facility	20,000	20,000	20,000		20,000
Air NG	Ohio	Mansfield Lahm Airport	Replace Fire Station	0	13,000	0	13,000	13,000
Air NG	Ohio	Rickenbacker International Airport	Construct Small Arms Range	0	8,000	0	8,000	8,000
Air NG	Pennsylvania	Fort Indiantown Gap	Replace Operations Training/Dining Hall	8,000	8,000	8,000		8,000
Air NG	Puerto Rico	Luis Munoz Marin International	Hurricane Maria—Communications Facility	0	0	15,000		0
Air NG	Puerto Rico	Luis Munoz Marin International Airport	Hurricane Maria—Maintenance Hangar	0	0	35,000		0
Air NG	Virginia	Joint Base Langley-Eustis	Construct Cyber Ops Facility	10,000	10,000	10,000		10,000
Air NG	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	23,626	23,626	23,626		23,626
Air NG	Worldwide Unspecified	Various Worldwide Locations	Planning and Design	18,500	18,500	22,500		18,500
<b>Military Construction, Air National Guard Total</b>				<b>129,126</b>	<b>191,126</b>	<b>183,126</b>	<b>62,000</b>	<b>191,126</b>
AF Res	Florida	Patrick Air Force Base	HC-130J Mx Hanger	0	24,000	0	24,000	24,000
AF Res	Indiana	Grissom Air Reserve Base	Add/Alter Aircraft Maintenance Hangar	12,100	12,100	12,100		12,100
AF Res	Indiana	Grissom Air Reserve Base	Aerial Port Facility	0	9,400	9,400	9,400	9,400
AF Res	Massachusetts	Westover Air Reserve Base	Regional ISO Mx Hanger	0	42,600	0	42,600	42,600
AF Res	Minnesota	Minneapolis-St Paul International Airport	Small Arms Range	9,000	9,000	9,000	-9,000	0
AF Res	Mississippi	Keesler Air Force Base	Aeromedical Staging Squadron Facility	4,550	4,550	4,550		4,550
AF Res	New York	Niagara Falls International Airport	Physical Fitness Center	14,000	14,000	14,000		14,000
AF Res	Ohio	Youngstown Air Reserve Station	Relocation Main Gate	0	8,800	0	8,800	8,800
AF Res	Texas	Naval Air Station Joint Reserve Base Fort Worth	Munitions Training/Admin Facility	3,100	3,100	3,100	-3,100	0
AF Res	Worldwide Unspecified	Unspecified Worldwide Locations	Planning & Design	4,055	4,055	9,055		4,055

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Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
AF Res	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Unspecified Minor Construction	3,358	3,358	3,358		3,358
<b>Military Construction, Air Force Reserve Total .....</b>				<b>50,163</b>	<b>134,963</b>	<b>64,563</b>	<b>72,700</b>	<b>122,863</b>
FH Con Army	Germany	Baumholder	Family Housing Improvements	32,000	32,000	32,000		32,000
FH Con Army	Italy	Vicenza	Family Housing New Construction	95,134	95,134	95,134		95,134
FH Con Army	Korea	Camp Humphreys	Family Housing New Construction Incr 3	85,000	85,000	85,000		85,000
FH Con Army	Korea	Camp Walker	Family Housing Replacement Construction	68,000	68,000	68,000		68,000
FH Con Army	Puerto Rico	Fort Buchanan	Family Housing Replacement Construction	26,000	26,000	26,000		26,000
FH Con Army	Wisconsin	Fort McCoy	Family Housing New Construction	6,200	6,200	6,200		6,200
FH Con Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Family Housing P & D	18,326	18,326	18,326		18,326
<b>Family Housing Construction, Army Total .....</b>				<b>330,660</b>	<b>330,660</b>	<b>330,660</b>	<b>0</b>	<b>330,660</b>
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Furnishings	15,842	15,842	15,842		15,842
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Housing Privatization Support	18,801	20,301	18,801		18,801
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Leasing	161,252	161,252	161,252		161,252
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Maintenance	75,530	75,530	75,530		75,530
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Management	36,302	34,802	36,302		36,302
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Miscellaneous	408	408	408		408
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Services	10,502	10,502	10,502		10,502
FH Ops Army	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Utilities	57,872	57,872	57,872		57,872

<b>Family Housing Operation And Maintenance, Army Total .....</b>				<b>376,509</b>	<b>376,509</b>	<b>376,509</b>	<b>0</b>	<b>376,509</b>
FH Con Navy	Guam	Guam	Joint Region Marianas	83,441	83,441	83,441		83,441
FH Con Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Design, Washington DC	4,502	4,502	4,502		4,502
FH Con Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Improvements, Washington DC	16,638	16,638	16,638		16,638
<b>Family Housing Construction, Navy And Marine Corps Total .....</b>				<b>104,581</b>	<b>104,581</b>	<b>104,581</b>	<b>0</b>	<b>104,581</b>
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Furnishings	16,395	16,395	16,395		16,395
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Housing Privatization Support	21,767	23,267	21,767		21,767
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Leasing	62,515	62,515	62,515		62,515
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Maintenance	86,328	86,328	86,328		86,328
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Management	50,870	49,370	50,870		50,870
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Miscellaneous	148	148	148		148
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Services	16,261	16,261	16,261		16,261
FH Ops Navy	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Utilities	60,252	60,252	60,252		60,252
<b>Family Housing Operation And Maintenance, Navy And Marine Corps Total .....</b>				<b>314,536</b>	<b>314,536</b>	<b>314,536</b>	<b>0</b>	<b>314,536</b>
FH Con AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Construction Improvements	75,247	75,247	75,247		75,247
FH Con AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Planning & Design	3,199	3,199	3,199		3,199
<b>Family Housing Construction, Air Force Total .....</b>				<b>78,446</b>	<b>78,446</b>	<b>78,446</b>	<b>0</b>	<b>78,446</b>
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Furnishings	30,645	30,645	30,645		30,645

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Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Housing Privatization Support	22,205	23,705	22,205		22,205
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Leasing	15,832	15,832	15,832		15,832
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Maintenance	129,763	129,763	129,763		129,763
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Management	54,423	52,923	54,423		54,423
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Miscellaneous	2,171	2,171	2,171		2,171
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Services	13,669	13,669	13,669		13,669
FH Ops AF	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Utilities	48,566	48,566	48,566		48,566
<b>Family Housing Operation And Maintenance, Air Force Total .....</b>				<b>317,274</b>	<b>317,274</b>	<b>317,274</b>	<b>0</b>	<b>317,274</b>
FH Ops DW	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Furnishings	1	1	1		1
FH Ops DW	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Furnishings	643	643	643		643
FH Ops DW	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Furnishings	416	416	416		416
FH Ops DW	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Leasing	13,046	13,046	13,046		13,046
FH Ops DW	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Leasing	38,232	38,232	38,232		38,232
FH Ops DW	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Maintenance	121	121	121		121
FH Ops DW	Worldwide Un- specified	Unspecified Worldwide Lo- cations	Maintenance	1,542	1,542	1,542		1,542

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FH Ops DW	Worldwide Un-specified	Unspecified Worldwide Locations	Management	155	155	155		155
FH Ops DW	Worldwide Un-specified	Unspecified Worldwide Locations	Services	2	2	2		2
FH Ops DW	Worldwide Un-specified	Unspecified Worldwide Locations	Utilities	4,100	4,100	4,100		4,100
FH Ops DW	Worldwide Un-specified	Unspecified Worldwide Locations	Utilities	106	106	106		106
FH Ops DW	Worldwide Un-specified	Unspecified Worldwide Locations	Utilities	9	9	9		9
<b>Family Housing Operation And Maintenance, Defense-Wide Total</b>				<b>58,373</b>	<b>58,373</b>	<b>58,373</b>	<b>0</b>	<b>58,373</b>
FHIF	Worldwide Un-specified	Unspecified Worldwide Locations	Administrative Expenses—FHIF	1,653	1,653	1,653		1,653
<b>DOD Family Housing Improvement Fund Total</b>				<b>1,653</b>	<b>1,653</b>	<b>1,653</b>	<b>0</b>	<b>1,653</b>
UHIF	Worldwide Un-specified	Unaccompanied Housing Improvement Fund	Administrative Expenses—UHIF	600	600	600		600
<b>Unaccompanied Housing Improvement Fund Total</b>				<b>600</b>	<b>600</b>	<b>600</b>	<b>0</b>	<b>600</b>
BRAC	Worldwide Un-specified	Unspecified Worldwide Locations	Base Realignment and Closure	62,796	80,906	62,796	18,110	80,906
<b>Base Realignment and Closure—Army Total</b>				<b>62,796</b>	<b>80,906</b>	<b>62,796</b>	<b>18,110</b>	<b>80,906</b>
BRAC	Worldwide Un-specified	Unspecified Worldwide Locations	Base Realignment and Closure	151,839	170,949	151,839	19,110	170,949
<b>Base Realignment and Closure—Navy Total</b>				<b>151,839</b>	<b>170,949</b>	<b>151,839</b>	<b>19,110</b>	<b>170,949</b>
BRAC	Worldwide Un-specified	Unspecified Worldwide Locations	Base Realignment and Closure	52,903	71,013	52,903	18,110	71,013
<b>Base Realignment and Closure—Air Force Total</b>				<b>52,903</b>	<b>71,013</b>	<b>52,903</b>	<b>18,110</b>	<b>71,013</b>
PYS	Prior Year Savings	Prior Year Savings	Prior Year Savings	0	-71,158	0	-83,296	-83,296
<b>Prior Year Savings Total</b>				<b>0</b>	<b>-71,158</b>	<b>0</b>	<b>-83,296</b>	<b>-83,296</b>

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<b>Total, Military Construction</b> .....				10,462,617	10,332,478	10,530,594	-123,026	10,339,591

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**SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS.**

**SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)**

Account	State/ Country	Installation	Project Title	FY 2019 Request	Conference Change	Conference Authorized
Army	Bulgaria	Nevo Selo FOS	EDI: Ammunition Holding Area	5,200		5,200
Army	Cuba	Guantanamo Bay	High Value Detention Facility	69,000	-69,000	0
Army	Poland	Drawsko Pomorski Training Area	EDI: Staging Area	17,000		17,000
Army	Poland	Powidz Air Base	EDI: Ammunition Storage Facility	52,000		52,000
Army	Poland	Powidz Air Base	EDI: Bulk Fuel Storage	21,000		21,000
Army	Poland	Powidz Air Base	EDI: Rail Extension & Railhead	14,000		14,000
Army	Poland	Zagan Training Area	EDI: Rail Extension and Railhead	6,400		6,400
Army	Poland	Zagan Training Area	EDI: Staging Area	34,000		34,000
Army	Romania	Mihail Kogalniceanu FOS	EDI: Explosives & Ammo Load/Unload Apron	21,651		21,651
Army	Worldwide Un- specified	Unspecified Worldwide Locations	EDI: Planning and Design	20,999		20,999
<b>Military Construction, Army Total</b> .....				<b>261,250</b>	<b>-69,000</b>	<b>192,250</b>
Navy	Greece	Souda Bay	EDI: Joint Mobility Processing Center	41,650		41,650
Navy	Greece	Souda Bay	EDI: Marathi Logistics Support Center	6,200		6,200
Navy	Italy	Sigonella	EDI: P-8A Taxiway	66,050		66,050
Navy	Spain	Rota	EDI: Port Operations Facilities	21,590		21,590
Navy	United Kingdom	Lossiemouth	EDI: P-8 Base Improvements	79,130		79,130
Navy	Worldwide Un- specified	Unspecified Worldwide Locations	EDI: Planning and Design	12,700		12,700
<b>Military Construction, Navy Total</b> .....				<b>227,320</b>	<b>0</b>	<b>227,320</b>
AF	Germany	Ramstein AB	EDI: KME DABS-FEV/RH Storage Warehouses	119,000		119,000
AF	Norway	Rygge	EDI: Construct Taxiway	13,800		13,800
AF	Qatar	Al Udeid	Flight Line Support Facilities	0	30,400	30,400
AF	Qatar	Al Udeid	Personnel Deployment Processing Facility	0	40,000	40,000
AF	Slovakia	Malacky	EDI: Regional Munitions Storage Area	59,000		59,000
AF	United Kingdom	RAF Fairford	EDI: Construct DABS-FEV Storage	87,000		87,000

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**SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	Conference Change	Conference Authorized
AF	United Kingdom	RAF Fairford	EDI: Munitions Holding Area	19,000		19,000
AF	Worldwide Un- specified	Unspecified Worldwide Locations	EDI: Planning & Design Funds	48,000	-1,400	46,600
<b>Military Construction, Air Force Total</b> .....				<b>345,800</b>	<b>69,000</b>	<b>414,800</b>
Def-Wide	Estonia	Unspecified Estonia	EDI: SOF Operations Facility	6,100		6,100
Def-Wide	Estonia	Unspecified Estonia	EDI: SOF Training Facility	9,600		9,600
Def-Wide	Qatar	Al Udeid	Trans-Regional Logistics Complex	60,000		60,000
Def-Wide	Worldwide Un- specified	Unspecified Worldwide Locations	EDI: Planning and Design	7,100		7,100
Def-Wide	Worldwide Un- specified	Various Worldwide Locations	EDI: Planning and Design	4,250		4,250
<b>Military Construction, Defense-Wide Total</b> .....				<b>87,050</b>	<b>0</b>	<b>87,050</b>
<b>Total, Military Construction</b> .....				<b>921,420</b>	<b>0</b>	<b>921,420</b>

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## TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS.

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS  
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>Discretionary Summary By Appropriation</b>					
<b>Energy And Water Development, And Related Agencies</b>					
<b>Appropriation Summary:</b>					
<b>Energy Programs</b>					
Nuclear Energy .....	136,090	0	0	0	136,090
<b>Atomic Energy Defense Activities</b>					
<b>National nuclear security administration:</b>					
Weapons activities .....	11,017,078	201,000	100,000	175,586	11,192,664
Defense nuclear nonproliferation .....	1,862,825	127,000	0	-15,396	1,847,429
Naval reactors .....	1,788,618	0	0	0	1,788,618
Federal salaries and expenses .....	422,529	-18,000	0	-18,000	404,529
<b>Total, National nuclear security administration .....</b>	<b>15,091,050</b>	<b>310,000</b>	<b>100,000</b>	<b>142,190</b>	<b>15,233,240</b>
<b>Environmental and other defense activities:</b>					
Defense environmental cleanup .....	5,630,217	50,000	-100,000	-3,581	5,626,636
Other defense activities .....	853,300	0	0	0	853,300
Defense nuclear waste disposal .....	30,000	0	-30,000	-30,000	0
<b>Total, Environmental &amp; other defense activities .....</b>	<b>6,513,517</b>	<b>50,000</b>	<b>-130,000</b>	<b>-33,581</b>	<b>6,479,936</b>

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SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS  
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>Total, Atomic Energy Defense Activities</b> .....	<b>21,604,567</b>	<b>360,000</b>	<b>-30,000</b>	<b>108,609</b>	<b>21,713,176</b>
<b>Total, Discretionary Funding</b> .....	<b>21,740,657</b>	<b>360,000</b>	<b>-30,000</b>	<b>108,609</b>	<b>21,849,266</b>
<b>Nuclear Energy</b>					
Idaho sitewide safeguards and security .....	136,090				136,090
<b>Total, Nuclear Energy</b> .....	<b>136,090</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>136,090</b>
<b>Weapons Activities</b>					
<b>Directed stockpile work</b>					
<b>Life extension programs and major alterations</b>					
B61-12 Life extension program .....	794,049				794,049
W76-1 Life extension program .....	48,888				48,888
W88 Alt 370 .....	304,285				304,285
W80-4 Life extension program .....	654,766				654,766
IW-1 .....	53,000				53,000
W76-2 Warhead modification program .....	65,000				65,000
<b>Total, Life extension programs and major alterations</b> .....	<b>1,919,988</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,919,988</b>
<b>Stockpile systems</b>					
B61 Stockpile systems .....	64,547				64,547
W76 Stockpile systems .....	94,300				94,300
W78 Stockpile systems .....	81,329				81,329
W80 Stockpile systems .....	80,204				80,204
B83 Stockpile systems .....	35,082				35,082
W87 Stockpile systems .....	83,107				83,107
W88 Stockpile systems .....	180,913				180,913
<b>Total, Stockpile systems</b> .....	<b>619,482</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>619,482</b>

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<b>Weapons dismantlement and disposition</b>				
Operations and maintenance .....	56,000			56,000
<b>Stockpile services</b>				
Production support .....	512,916	-4,000	-4,000	508,916
Program decrease .....		[-4,000]	[-4,000]	
Research and development support .....	38,129			38,129
R&D certification and safety .....	216,582	-2,000	-2,000	214,582
Program decrease .....		[-2,000]	[-2,000]	
Management, technology, and production .....	300,736	-2,000		300,736
Program decrease .....		[-2,000]		
<b>Total, Stockpile services .....</b>	<b>1,068,363</b>	<b>-8,000</b>	<b>0</b>	<b>1,062,363</b>
<b>Strategic materials</b>				
Uranium sustainment .....	87,182			87,182
Plutonium sustainment .....	361,282			361,282
Tritium sustainment .....	205,275			205,275
Lithium sustainment .....	29,135			29,135
Domestic uranium enrichment .....	100,704			100,704
Strategic materials sustainment .....	218,794			218,794
<b>Total, Strategic materials .....</b>	<b>1,002,372</b>	<b>0</b>	<b>0</b>	<b>1,002,372</b>
<b>Total, Directed stockpile work .....</b>	<b>4,666,205</b>	<b>-8,000</b>	<b>0</b>	<b>4,660,205</b>
<b>Research, development, test and evaluation (RDT&amp;E)</b>				
<b>Science</b>				
Advanced certification .....	57,710			57,710
Primary assessment technologies .....	95,057	-2,000	-2,000	93,057
Program decrease .....		[-2,000]	[-2,000]	
Dynamic materials properties .....	131,000	-3,000	-3,000	128,000
Program decrease .....		[-3,000]	[-3,000]	
Advanced radiography .....	32,544			32,544

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS  
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Secondary assessment technologies .....	77,553				77,553
Academic alliances and partnerships .....	53,364				53,364
Enhanced Capabilities for Subcritical Experiments .....	117,632			-37,632	80,000
<b>Total, Science .....</b>	<b>564,860</b>	<b>-5,000</b>	<b>0</b>	<b>-42,632</b>	<b>522,228</b>
<b>Engineering</b>					
Enhanced surety .....	43,226				43,226
Weapon systems engineering assessment technology .....	27,536				27,536
Nuclear survivability .....	48,230				48,230
Enhanced surveillance .....	58,375			-8,375	50,000
Program decrease .....				[-8,375]	
Stockpile Responsiveness .....	34,000	6,000		6,000	40,000
Program increase .....		[6,000]		[6,000]	
<b>Total, Engineering .....</b>	<b>211,367</b>	<b>6,000</b>	<b>0</b>	<b>-2,375</b>	<b>208,992</b>
<b>Inertial confinement fusion ignition and high yield</b>					
Ignition .....	22,434	20,000	47,141	47,141	69,575
Maintain sustainable levels .....		[20,000]	[47,141]	[47,141]	
Support of other stockpile programs .....	17,397	4,000	5,168	5,168	22,565
Maintain sustainable levels .....		[4,000]	[5,168]	[5,168]	
Diagnostics, cryogenics and experimental support .....	51,453	13,000	22,741	25,741	77,194
Maintain sustainable levels .....		[10,000]	[22,741]	[22,741]	
Tokamak support .....		[3,000]		[3,000]	
Pulsed power inertial confinement fusion .....	8,310			-714	7,596
Program decrease .....				[-714]	
Joint program in high energy density laboratory plasmas .....	0		9,492	9,492	9,492
Program increase .....			[9,492]	[9,492]	

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Facility operations and target production .....	319,333	15,000	15,458	15,458	334,791
Maintain sustainable levels .....		[15,000]	[15,458]	[15,458]	
<b>Total, Inertial confinement fusion and high yield .....</b>	<b>418,927</b>	<b>52,000</b>	<b>100,000</b>	<b>102,286</b>	<b>521,213</b>
<b>Advanced simulation and computing</b>					
Advanced simulation and computing .....	656,401				656,401
<b>Construction:</b>					
18-D-670, Exascale Class Computer Cooling Equipment, LANL .....	24,000				24,000
18-D-620, Exascale Computing Facility Modernization Project, LLNL .....	23,000				23,000
<b>Total, Construction .....</b>	<b>47,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47,000</b>
<b>Total, Advanced simulation and computing .....</b>	<b>703,401</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>703,401</b>
<b>Advanced manufacturing</b>					
Additive manufacturing .....	17,447				17,447
Component manufacturing development .....	48,477			-2,693	45,784
Program decrease .....				[-2,693]	
Process technology development .....	30,914				30,914
<b>Total, Advanced manufacturing .....</b>	<b>96,838</b>	<b>0</b>	<b>0</b>	<b>-2,693</b>	<b>94,145</b>
<b>Total, RDT&amp;E .....</b>	<b>1,995,393</b>	<b>53,000</b>	<b>100,000</b>	<b>54,586</b>	<b>2,049,979</b>
<b>Infrastructure and operations</b>					
Operations of facilities .....	891,000			-11,000	880,000
Safety and environmental operations .....	115,000			-5,000	110,000
Maintenance and repair of facilities .....	365,000	39,000		39,000	404,000
Address high-priority repair needs and preventive maintenance .....		[39,000]		[39,000]	
<b>Recapitalization:</b>					
Infrastructure and safety .....	431,631	67,000		67,000	498,631
Support high-priority deferred maintenance .....		[67,000]		[67,000]	
Capability based investments .....	109,057	4,000		4,000	113,057
Program increase .....		[4,000]		[4,000]	
<b>Total, Recapitalization .....</b>	<b>540,688</b>	<b>71,000</b>	<b>0</b>	<b>71,000</b>	<b>611,688</b>

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SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS  
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>Construction:</b>					
19-D-670, 138kV Power Transmission System Replacement, NNSS .....	6,000				6,000
19-D-660, Lithium Production Capability, Y-12 .....	19,000				19,000
18-D-680, Material Staging Facility, Pantex .....	0	24,000		24,000	24,000
18-D-650, Tritium Production Capability, SRS .....	27,000				27,000
17-D-710, West End Protected Area reduction Project, Y-12 .....	0	9,000			0
17-D-640, U1a Complex Enhancements Project, NNSS .....	53,000				53,000
16-D-515, Albuquerque complex project .....	47,953				47,953
14-D-710, DAF Argus project, NNSS .....	0	2,000			0
06-D-141 Uranium processing facility Y-12, Oak Ridge, TN .....	703,000				703,000
04-D-125 Chemistry and metallurgy research facility replacement project, LANL .....	235,095				235,095
<b>Total, Construction</b> .....	<b>1,091,048</b>	<b>35,000</b>	<b>0</b>	<b>24,000</b>	<b>1,115,048</b>
<b>Total, Infrastructure and operations</b> .....	<b>3,002,736</b>	<b>145,000</b>	<b>0</b>	<b>118,000</b>	<b>3,120,736</b>
<b>Secure transportation asset</b>					
Operations and equipment .....	176,617				176,617
Program direction .....	102,022				102,022
<b>Total, Secure transportation asset</b> .....	<b>278,639</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>278,639</b>
<b>Defense nuclear security</b>					
Operations and maintenance .....	690,638	11,000		9,000	699,638
Physical security infrastructure recapitalization and CSTART .....		[11,000]		[9,000]	
<b>Total, Defense nuclear security</b> .....	<b>690,638</b>	<b>11,000</b>	<b>0</b>	<b>9,000</b>	<b>699,638</b>
Information technology and cybersecurity .....	221,175				221,175
Legacy contractor pensions .....	162,292				162,292

<b>Total, Weapons Activities</b> .....	<b>11,017,078</b>	<b>201,000</b>	<b>100,000</b>	<b>175,586</b>	<b>11,192,664</b>
<b>Defense Nuclear Nonproliferation</b>					
<b>Defense Nuclear Nonproliferation Programs</b>					
<b>Global material security</b>					
International nuclear security .....	46,339				46,339
Domestic radiological security .....	90,764				90,764
International radiological security .....	59,576				59,576
Nuclear smuggling detection and deterrence .....	140,429			-10,000	130,429
Program decrease .....				[-10,000]	
<b>Total, Global material security</b> .....	<b>337,108</b>	<b>0</b>	<b>0</b>	<b>-10,000</b>	<b>327,108</b>
<b>Material management and minimization</b>					
HEU reactor conversion .....	98,300			-10,000	88,300
Program decrease .....				[-10,000]	
Nuclear material removal .....	32,925				32,925
Material disposition .....	200,869				200,869
<b>Total, Material management &amp; minimization</b> .....	<b>332,094</b>	<b>0</b>	<b>0</b>	<b>-10,000</b>	<b>322,094</b>
Nonproliferation and arms control .....	129,703				129,703
Defense nuclear nonproliferation R&D .....	456,095	12,000		12,000	468,095
Acceleration of low-yield detection experiments .....		[6,000]		[6,000]	
Future nuclear proliferation challenges, including 3D printing .....		[6,000]		[6,000]	
<b>Nonproliferation Construction:</b>					
18-D-150 Surplus Plutonium Disposition Project .....	59,000				59,000
99-D-143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS .....	220,000	115,000			220,000
<b>Total, Nonproliferation construction</b> .....	<b>279,000</b>	<b>115,000</b>	<b>0</b>	<b>0</b>	<b>279,000</b>
<b>Total, Defense Nuclear Nonproliferation Programs</b> .....	<b>1,534,000</b>	<b>127,000</b>	<b>0</b>	<b>-8,000</b>	<b>1,526,000</b>
Low Enriched Uranium R&D for Naval Reactors .....	0	0	0	10,000	10,000
Direct support to low-enriched uranium R&D for Naval Reactors .....				[10,000]	

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Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Legacy contractor pensions .....	28,640				28,640
Nuclear counterterrorism and incident response program .....	319,185				319,185
Use of prior year balances .....	-19,000			-17,396	-36,396
<b>Total, Defense Nuclear Nonproliferation .....</b>	<b>1,862,825</b>	<b>127,000</b>	<b>0</b>	<b>-15,396</b>	<b>1,847,429</b>
<b>Naval Reactors</b>					
Naval reactors development .....	514,951				514,951
Columbia-Class reactor systems development .....	138,000				138,000
S8G Prototype refueling .....	250,000				250,000
Naval reactors operations and infrastructure .....	525,764				525,764
<b>Construction:</b>					
19-D-930, KS Overhead Piping .....	10,994				10,994
17-D-911, BL Fire System Upgrade .....	13,200				13,200
14-D-901 Spent fuel handling recapitalization project, NRF .....	287,000				287,000
<b>Total, Construction .....</b>	<b>311,194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>311,194</b>
Program direction .....	48,709				48,709
<b>Total, Naval Reactors .....</b>	<b>1,788,618</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,788,618</b>
<b>Federal Salaries And Expenses</b>					
Program direction .....	422,529	-18,000		-18,000	404,529
Program decrease .....		[-18,000]		[-18,000]	
<b>Total, Office Of The Administrator .....</b>	<b>422,529</b>	<b>-18,000</b>	<b>0</b>	<b>-18,000</b>	<b>404,529</b>

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**Defense Environmental Cleanup**

**Closure sites:**

Closure sites administration ..... 4,889 4,889

**Richland:**

River corridor and other cleanup operations ..... 89,577 89,577

Central plateau remediation ..... 562,473 50,000 50,000 612,473

    Accelerated remediation of 300–296 waste site ..... [50,000] [50,000]

Richland community and regulatory support ..... 5,121 5,121

**Construction:**

    18–D–404 WESF Modifications and Capsule Storage ..... 1,000 1,000

**Total, Construction** ..... **1,000 0 0 1,000**

**Total, Hanford site** ..... **658,171 50,000 0 50,000 708,171**

**Office of River Protection:**

Waste Treatment Immobilization Plant Commissioning ..... 15,000 15,000

Rad liquid tank waste stabilization and disposition ..... 677,460 677,460

**Construction:**

    15–D–409 Low activity waste pretreatment system, ORP ..... 56,053 56,053

    01–D–416 A-D WTP Subprojects A-D ..... 675,000 675,000

    01–D–416 E—Pretreatment Facility ..... 15,000 15,000

**Total, Construction** ..... **746,053 0 0 0 746,053**

**Total, Office of River protection** ..... **1,438,513 0 0 0 1,438,513**

**Idaho National Laboratory:**

SNF stabilization and disposition—2012 ..... 17,000 17,000

Solid waste stabilization and disposition ..... 148,387 148,387

Radioactive liquid tank waste stabilization and disposition ..... 137,739 137,739

Soil and water remediation—2035 ..... 42,900 42,900

Idaho community and regulatory support ..... 3,200 3,200

**Total, Idaho National Laboratory** ..... **349,226 0 0 0 349,226**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS  
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
<b>NNSA sites and Nevada off-sites</b>					
Lawrence Livermore National Laboratory .....	1,704				1,704
<b>Nuclear facility D &amp; D</b>					
Separations Process Research Unit .....	15,000				15,000
Nevada .....	60,136				60,136
Sandia National Laboratories .....	2,600				2,600
Los Alamos National Laboratory .....	191,629				191,629
<b>Total, NNSA sites and Nevada off-sites .....</b>	<b>271,069</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>271,069</b>
<b>Oak Ridge Reservation:</b>					
<b>OR Nuclear facility D &amp; D</b>					
OR-0041—D&D - Y-12 .....	30,214				30,214
OR-0042—D&D -ORNL .....	60,007				60,007
<b>Total, OR Nuclear facility D &amp; D .....</b>	<b>90,221</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90,221</b>
U233 Disposition Program .....	45,000				45,000
<b>OR cleanup and waste disposition</b>					
OR cleanup and disposition .....	67,000				67,000
<b>Construction:</b>					
17-D-401 On-site waste disposal facility .....	5,000				5,000
14-D-403 Outfall 200 Mercury Treatment Facility .....	11,274				11,274
<b>Total, Construction .....</b>	<b>16,274</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,274</b>
<b>Total, OR cleanup and waste disposition .....</b>	<b>83,274</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83,274</b>
OR community & regulatory support .....	4,711				4,711
OR technology development and deployment .....	3,000				3,000

<b>Total, Oak Ridge Reservation .....</b>	<b>226,206</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>226,206</b>
<b>Savannah River Sites:</b>					
Nuclear Material Management .....	351,331				351,331
<b>Environmental Cleanup</b>					
Environmental Cleanup .....	166,105				166,105
<b>Construction:</b>					
18-D-402, Emergency Operations Center .....	1,259				1,259
<b>Total, Environmental Cleanup .....</b>	<b>167,364</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>167,364</b>
SR community and regulatory support .....	4,749				4,749
Radioactive liquid tank waste stabilization and disposition .....	805,686			-53,581	752,105
<b>Construction:</b>					
18-D-401, SDU #8/9 .....	37,450				37,450
17-D-402—Saltstone Disposal Unit #7 .....	41,243				41,243
05-D-405 Salt waste processing facility, Savannah River Site .....	65,000				65,000
<b>Total, Construction .....</b>	<b>143,693</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>143,693</b>
<b>Total, Savannah River site .....</b>	<b>1,472,823</b>	<b>0</b>	<b>0</b>	<b>-53,581</b>	<b>1,419,242</b>
<b>Waste Isolation Pilot Plant</b>					
Operations and maintenance .....	220,000				220,000
Central characterization project .....	19,500				19,500
Critical Infrastructure Repair/Replacement .....	46,695				46,695
Transportation .....	25,500				25,500
<b>Construction:</b>					
15-D-411 Safety significant confinement ventilation system, WIPP .....	84,212				84,212
15-D-412 Exhaust shaft, WIPP .....	1,000				1,000
<b>Total, Construction .....</b>	<b>85,212</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85,212</b>
<b>Total, Waste Isolation Pilot Plant .....</b>	<b>396,907</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>396,907</b>
Program direction .....	300,000				300,000

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS  
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Program support .....	6,979				6,979
Minority Serving Institution Partnership .....	6,000				6,000
<b>Safeguards and Security</b>					
Oak Ridge Reservation .....	14,023				14,023
Paducah .....	15,577				15,577
Portsmouth .....	15,078				15,078
Richland/Hanford Site .....	86,686				86,686
Savannah River Site .....	183,357				183,357
Waste Isolation Pilot Project .....	6,580				6,580
West Valley .....	3,133				3,133
<b>Total, Safeguards and Security .....</b>	<b>324,434</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>324,434</b>
Technology development .....	25,000				25,000
HQEF-0040—Excess Facilities .....	150,000		-100,000		150,000
Program decrease .....			[-100,000]		
<b>Total, Defense Environmental Cleanup .....</b>	<b>5,630,217</b>	<b>50,000</b>	<b>-100,000</b>	<b>-3,581</b>	<b>5,626,636</b>
<b>Other Defense Activities</b>					
<b>Environment, health, safety and security</b>					
Environment, health, safety and security .....	135,194				135,194
Program direction .....	70,653				70,653
<b>Total, Environment, Health, safety and security .....</b>	<b>205,847</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205,847</b>
<b>Independent enterprise assessments</b>					
Independent enterprise assessments .....	24,068				24,068
Program direction .....	52,702				52,702
<b>Total, Independent enterprise assessments .....</b>	<b>76,770</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76,770</b>

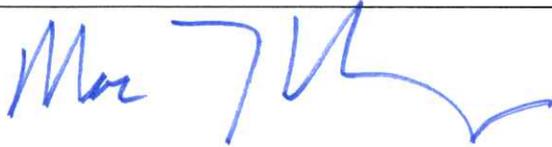
Specialized security activities .....	254,378				254,378
<b>Office of Legacy Management</b>					
Legacy management .....	140,575				140,575
Program direction .....	18,302				18,302
<b>Total, Office of Legacy Management .....</b>	<b>158,877</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>158,877</b>
<b>Defense related administrative support</b>					
Chief financial officer .....	48,484				48,484
Chief information officer .....	96,793				96,793
Project management oversight and Assessments .....	8,412				8,412
<b>Total, Defense related administrative support .....</b>	<b>153,689</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145,277</b>
Office of hearings and appeals .....	5,739				5,739
<b>Subtotal, Other defense activities .....</b>	<b>855,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>855,300</b>
Rescission of prior year balances (OHA) .....	-2,000				-2,000
<b>Total, Other Defense Activities .....</b>	<b>853,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>853,300</b>
<b>Defense Nuclear Waste Disposal</b>					
Yucca mountain and interim storage .....	30,000		-30,000	-30,000	0
Program cut .....			[-30,000]	[-30,000]	
<b>Total, Defense Nuclear Waste Disposal .....</b>	<b>30,000</b>	<b>0</b>	<b>-30,000</b>	<b>-30,000</b>	<b>0</b>

# H.R. 5515

*Managers on the part of the  
HOUSE*

*Managers on the part of the  
SENATE*

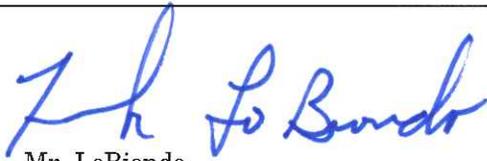
From the Committee on Armed Services, for consideration of the House bill and the Senate amendment, and modifications committed to conference:



Mr. Thornberry



Mr. Wilson of South Carolina



Mr. LoBiondo



Mr. Bishop of Utah

Mr. Turner

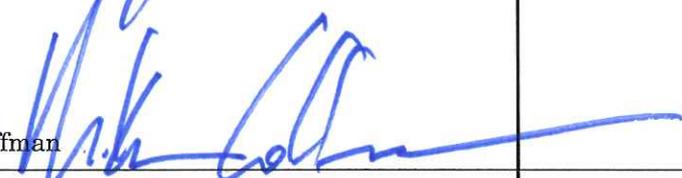
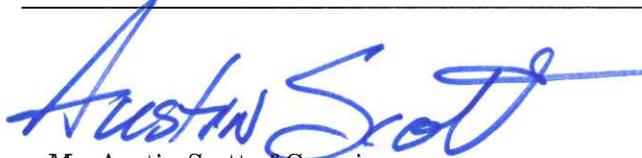
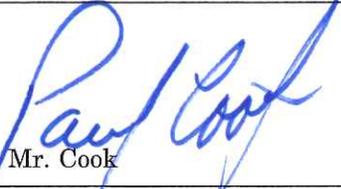
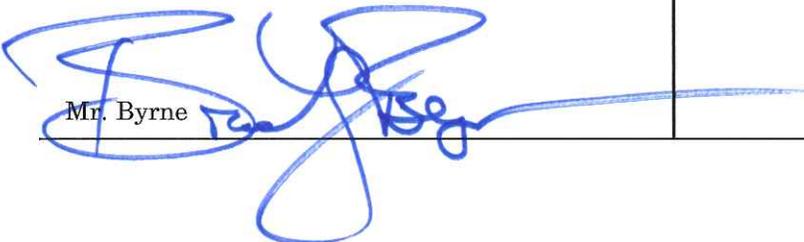


Mr. Rogers of Alabama



Mr. Shuster

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
 Mr. Conaway	
 Mr. Lamborn	
 Mr. Wittman	
 Mr. Coffman	
 Mrs. Hartzler	
 Mr. Austin Scott of Georgia	
 Mr. Cook	
 Mr. Byrne	

### H.R. 5515—Continued

*Managers on the part of the  
HOUSE*

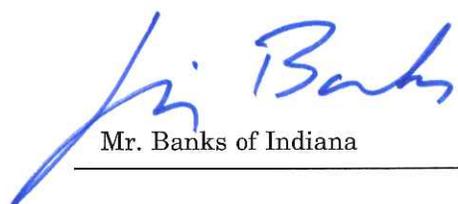
*Managers on the part of the  
SENATE*



Ms. Stefanik

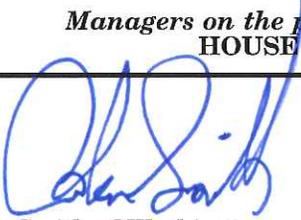
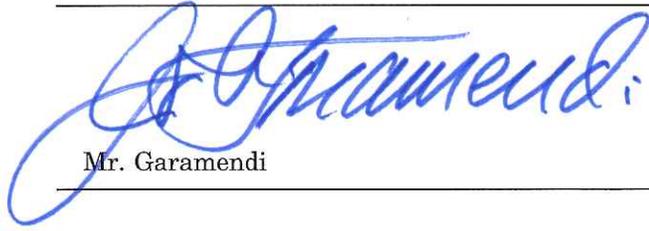


Mr. Bacon

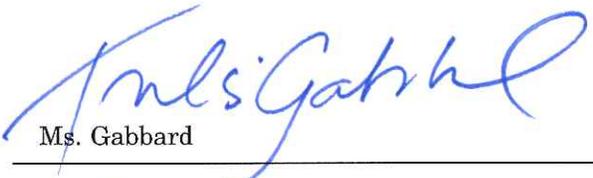


Mr. Banks of Indiana

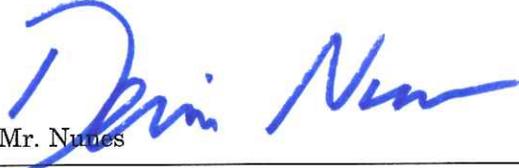
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
 Mr. Smith of Washington	
 Mrs. Davis of California	
 Mr. Langevin	
 Mr. Cooper	
 Ms. Bordallo	
 Mr. Courtney	
 Ms. Tsongas	
 Mr. Garamendi	

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
 Ms. Speier	
 Mr. Veasey	
 Ms. Gabbard	
 Mr. O'Rourke	
 Mrs. Murphy of Florida	

## H.R. 5515—Continued

<i>Managers on the part of the</i> <b>HOUSE</b>	<i>Managers on the part of the</i> <b>SENATE</b>
As additional conferees from the Permanent Select Committee on Intelligence, for consideration of matters within the jurisdiction of that committee under clause 11 of rule X:	
 Mr. Nunes	
 Mr. Stewart	
 Mr. Schiff	

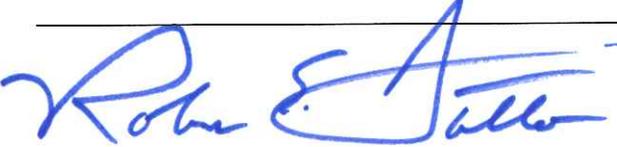
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on the Budget, for consideration of secs. 1252 and 1523 of the House bill, and secs. 4, 1002, 1032, and 1721 of the Senate amendment, and modifications committed to conference:	
Mr. Womack	
Mr. Yarmuth	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Education and the Workforce, for consideration of secs. 228, 563, 564, 1094, and 3120C of the House bill, and secs. 561-63 of the Senate amendment, and modifications committed to conference:	
 Ms. Foxx	
 Mr. Scott of Virginia	

## H.R. 5515—Continued

<i>Managers on the part of the</i> <b>HOUSE</b>	<i>Managers on the part of the</i> <b>SENATE</b>
From the Committee on Energy and Commerce, for consideration of title XVII of the Senate amendment, and modifications committed to conference:	
 Mr. Latta	
 Mr. Johnson of Ohio	

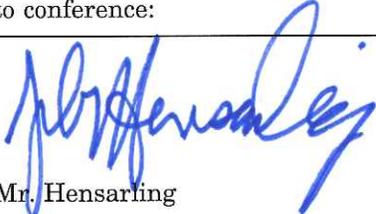
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Energy and Commerce, for consideration of secs. 701, 712, 1083, 1096, 3111-13, 3118, 3119, 3132, and 4305 of the House bill, and secs. 315, 601, 714, 3111-15, 5802, and 7509 of the Senate amendment, and modifications committed to conference:	
 Mr. Walden	
 Mr. Hudson	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Energy and Commerce, for consideration of secs. 701, 712, 1083, 1096, 3111-13, 3118, 3119, 3132, and 4305 of the House bill, and secs. 315, 601, 714, 3111-15, 5802, 7509, and title XVII of the Senate amendment, and modifications committed to conference:	
Mr. Pallone	

## H.R. 5515—Continued

<i>Managers on the part of the</i> <b>HOUSE</b>	<i>Managers on the part of the</i> <b>SENATE</b>
As additional conferees from the Committee on Financial Services, for consideration of 12990-2 and 1236 of the House bill, and title XVII of the Senate amendment, and modifications committed to conference:	
 Mr. Hensarling	
 Mr. Barr	
Ms. Maxine Waters of California	

### H.R. 5515—Continued

*Managers on the part of the  
HOUSE*

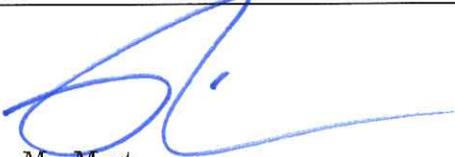
*Managers on the part of the  
SENATE*

From the Committee on Foreign Affairs, for consid-  
eration of title XVII of the Senate amendment,  
and modifications committed to conference:



Mr. Kinzinger

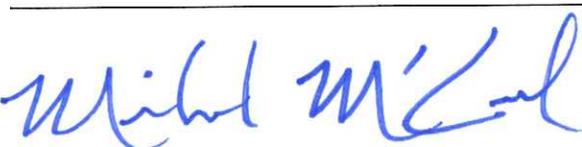
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
<p>As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202-06, 1210, 1211, 1221-23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254-56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O-1, 1299O-2, 1299O-3, 1299O-4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201-04, 1207, 1211, 1213, 1221-23, 1231-33, 1241, 1244, 1245, 1261, 1262, 1264-66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202-04, 6701, and 6702 of the Senate amendment, and modifications committed to conference:</p>	
 Mr. Mast	

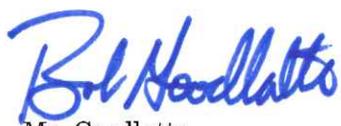
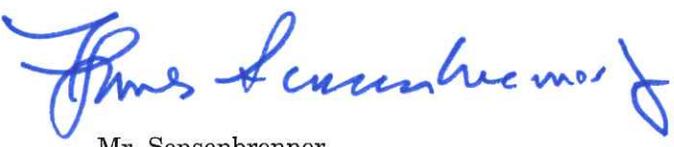
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
<p>As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202-06, 1210, 1211, 1221-23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254-56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O-1, 1299O-2, 1299O-3, 1299O-4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201-04, 1207, 1211, 1213, 1221-23, 1231-33, 1241, 1244, 1245, 1261, 1262, 1264-66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202-04, 6701, 6702, and title XVII of the Senate amendment, and modifications committed to conference:</p>	
 <p>Mr. Royce of California</p>	
	

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Homeland Security, for consideration of sec. 1634 of the House bill, and modifications committed to conference:	
 Mr. McCaul	
 Mr. Ratcliffe	
	

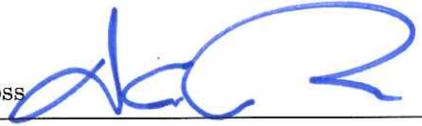
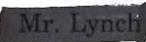
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on the Judiciary, for consideration of secs. 826, 1043, 1050B, 1073, 1074, 1079, 1085, 1087, 1090, 1299O-2, 4319, and 4710 of the House bill, and secs. 1025, 1035 and 1715 of the Senate amendment, and modifications committed to conference:	
 Mr. Goodlatte	
 Mr. Sensenbrenner	
 Mr. Nadler	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Natural Resources, for consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 2822, 2830, 2830A, 2831, 2832, 2845-47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill, and secs. 601, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:	
 Mr. Westerman	
	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Oversight and Government Reform, for consideration of secs. 506, 511, 569, 822, 831, 832, 834, 835, 860, 875, 880-84, 886, 917, 1101-11, 4711, and 4829 of the House bill, and secs. 568, 595, 607, 632, 702, 813, 902, 937, 1101-05, 1122-25, 1254B, 1628, 1639, 1640, 1716, 1726, 2835, and 6702 of the Senate amendment, and modifications committed to conference:	
 Mr. Sanford	
 Mr. Ross	
 Mr. Lynch	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Science, Space, and Technology, for consideration of secs. 854, 858, and 1603 of the House bill, and secs. 893 and 1604 of the Senate amendment, and modifications committed to conference:	
 Mr. Smith of Texas	
 Mr. Lucas	
Ms. Eddie Bernice Johnson of Texas	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Small Business, for consideration of secs. 811, 851-58, 861, 863-68, and 2803 of the House bill, and secs. 893, 1626, and 6006 of the Senate amendment, and modifications committed to conference:	
 Mr. Chabot	
	
	

## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Transportation and Infrastructure, for consideration of secs. 518, 554, 883, 1044, 1049, 1050B, 1075, 1095, 1111, 2848, 3501, 3504, 3522-25, 3528, 3529, and division D of the House bill, and secs. 153, 556, 601, 1604, 3501, 3502, 7501, 7502, 7507-09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:	
 Mrs. Comstock	
 Ms. Brownley of California	

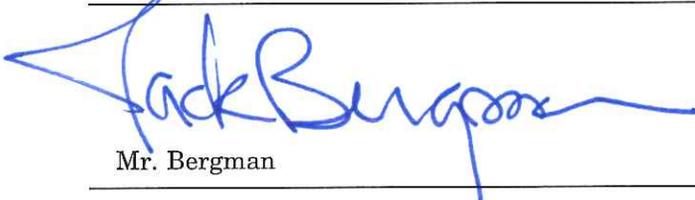
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Veterans' Affairs, for consideration of secs. 547, 552, 582, 1411, and 2844 of the House bill, and secs. 721, 726, and 1431 of the Senate amendment, and modifications committed to conference:	
 Mr. Roe of Tennessee	
 Mr. Poliquin	
 Mr. Walz	

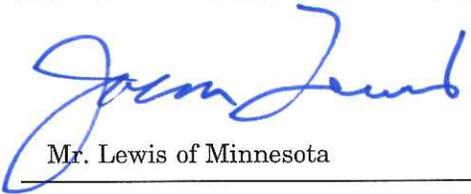
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
As additional conferees from the Committee on Ways and Means, for consideration of sec. 701 of the House bill, and sec. 6201 of the Senate amendment, and modifications committed to conference:	
 Mr. Reichert	
 Mr. Roskam	
 Mr. Neal	

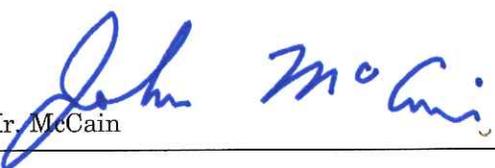
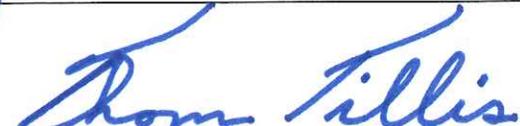
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
For consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 1252, 1523, 2822, 2830, 2830A, 2831, 2832, 2845-47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill and secs. 4, 601, 1002, 1032, 1721, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:	
 Mr. Bergman	

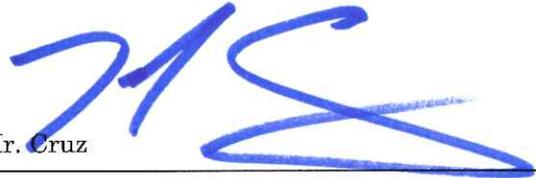
## H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
For consideration of secs. 228, 518, 554, 563, 564, 883, 1044, 1049, 1050B, 1075, 1094, 1095, 1111, 2848, 3120C, 3501, 3504, 3522-25, 3528, 3529, and division D of the House bill and secs. 153, 556, 561-63, 601, 1604, 3501, 3502, 7501, 7502, 7507-09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:	
 Mr. Lewis of Minnesota	

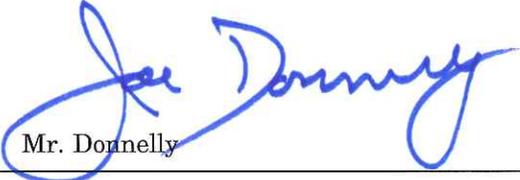
**H.R. 5515—Continued**

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. McCain
	 Mr. Inhofe
	 Mr. Wicker
	 Mrs. Fischer
	 Mr. Cotton
	 Mr. Rounds
	 Mrs. Ernst
	 Mr. Tillis

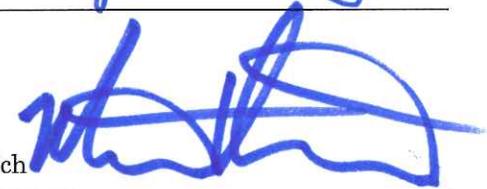
### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. Sullivan
	 Mr. Perdue
	 Mr. Cruz
	 Mr. Graham
	 Mr. Sasse
	 Mr. Scott
	 Mr. Crapo
	 Mr. Reed

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. Nelson
	 Mrs. McCaskill
	 Mrs. Shaheen
	 Mrs. Gillibrand
	 Mr. Blumenthal
	 Mr. Donnelly
	 Ms. Hirono
	 Mr. Kaine

### H.R. 5515—Continued

<i>Managers on the part of the HOUSE</i>	<i>Managers on the part of the SENATE</i>
	 Mr. King
	 Mr. Heinrich
	Ms. Warren
	 Mr. Peters
	 Mr. Brown