

JUNE 18, 2019

RULES COMMITTEE PRINT 116–19
TEXT OF H.R. 2500, NATIONAL DEFENSE
AUTHORIZATION ACT FOR FISCAL YEAR 2020

[Showing the text of H.R. 2500, as ordered reported by the
Committee on Armed Services]

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “National Defense Au-
3 thORIZATION Act for Fiscal Year 2020”.

4 **SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF**
5 **CONTENTS.**

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

8 (1) Division A—Department of Defense Au-
9 thORIZATIONS.

10 (2) Division B—Military Construction Author-
11 izations.

12 (3) Division C—Department of Energy Na-
13 tional Security Authorizations and Other Authoriza-
14 tions.

15 (4) Division D—Funding Tables.

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

Sec. 1. Short title.

Sec. 2. Organization of Act into divisions; table of contents.

Sec. 3. Congressional defense committees.

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Sec. 112. Repeal of requirement to adhere to Navy cost estimates for certain aircraft carriers.

Sec. 113. Ford class aircraft carrier support for F-35C aircraft.

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Sec. 117. Limitation on availability of funds for VH-92A helicopter.

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- Sec. 213. Joint Hypersonics Transition Office.
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- Sec. 216. JASON Scientific Advisory Group.
- Sec. 217. Direct Air Capture and Blue Carbon Removal Technology Program.
- Sec. 218. Foreign malign influence operations research program.
- Sec. 219. Sensor data integration for fifth generation aircraft.
- Sec. 220. Documentation relating to Advanced Battle Management System.
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- Sec. 222. Diversification of the science, technology, research, and engineering workforce of the Department of Defense.
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- Sec. 225. Process to align policy formulation and emerging technology development.
- Sec. 226. Limitation on transition of Strategic Capabilities Office of the Department of Defense.

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- Sec. 232. Master plan for infrastructure required to support research, development, test, and evaluation missions.
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- Sec. 234. Department-wide software science and technology strategy.
- Sec. 235. Artificial intelligence education strategy.
- Sec. 236. Biannual report on the Joint Artificial Intelligence Center.
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- Sec. 1112. Permitted disclosures by whistleblowers.

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

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- Sec. 1201. Modification of authority to build capacity of foreign security forces.
- Sec. 1202. Modification and extension of cross servicing agreements for loan of personnel protection and personnel survivability equipment in coalition operations.
- Sec. 1203. Modification of quarterly report on obligation and expenditure of funds for security cooperation programs and activities.
- Sec. 1204. Integration of gender perspectives and meaningful participation by women in security cooperation authorities.

Subtitle B—Matters Relating to Afghanistan and Pakistan

- Sec. 1211. Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations.
- Sec. 1212. Modification and Extension of Afghan Special Immigrant Visa Program.
- Sec. 1213. Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan.
- Sec. 1214. Extension and modification of authority to acquire products and services produced in countries along a major route of supply to Afghanistan.
- Sec. 1215. Authority for certain payments to redress injury and loss in Afghanistan, Iraq, Syria, Somalia, Libya, and Yemen.
- Sec. 1216. Extension of semiannual report on enhancing security and stability in Afghanistan.

Subtitle C—Matters Relating to Syria, Iraq, and Iran

- Sec. 1221. Modification of authority to provide assistance to counter the Islamic State of Iraq and Syria.
- Sec. 1222. Extension and modification of authority to provide assistance to the vetted Syrian opposition.
- Sec. 1223. Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq.

- Sec. 1224. Prohibition on provision of weapons and other forms of support to certain organizations.
- Sec. 1225. Rule of construction relating to use of military force against Iran.
- Sec. 1226. Sense of Congress on support for Ministry of Peshmerga forces of the Kurdistan Region of Iraq.

Subtitle D—Matters Relating to Russia

- Sec. 1231. Prohibition on the use of funds to suspend, terminate, or withdraw the United States from the Open Skies Treaty.
- Sec. 1232. Extension of limitation on military cooperation between the United States and Russia.
- Sec. 1233. Prohibition on availability of funds relating to sovereignty of Russia over Crimea.
- Sec. 1234. Modification and extension of Ukraine Security Assistance Initiative.
- Sec. 1235. Report on treaties relating to nuclear arms control.
- Sec. 1236. Sense of Congress on updating and modernizing existing agreements to avert miscalculation between the United States and Russia.
- Sec. 1237. Sense of Congress on support for Georgia.
- Sec. 1238. Sense of Congress on support for Estonia, Latvia, and Lithuania.

Subtitle E—Matters Relating to the Indo-Pacific Region

- Sec. 1241. Modification of Indo-Pacific Maritime Security Initiative.
- Sec. 1242. Extension and modification of report on military and security developments involving North Korea.
- Sec. 1243. Limitation on use of funds to reduce the total number of members of the Armed Forces serving on active duty who are deployed to South Korea.
- Sec. 1244. Report on direct, indirect, and burden-sharing contributions of Japan and South Korea.
- Sec. 1245. Report on strategy on the Philippines.
- Sec. 1246. Modification of annual report on military and security developments involving the People's Republic of China.
- Sec. 1247. Modification of annual report on military and security developments involving the People's Republic of China.
- Sec. 1248. Sense of Congress on Taiwan.
- Sec. 1249. Enhancing defense cooperation with Singapore.

Subtitle F—Matters Relating to Europe and NATO

- Sec. 1251. Extension and modification of NATO Special Operations Headquarters.
- Sec. 1252. Modification and extension of future years plan and planning transparency for the European Deterrence Initiative.
- Sec. 1253. Protection of European Deterrence Initiative funds from diversion for other purposes.
- Sec. 1254. Statement of policy on United States military investment in Europe.
- Sec. 1255. Limitation on transfer of F-35 aircraft to Turkey.
- Sec. 1256. Report on value of investments in dual use infrastructure projects by NATO member states.
- Sec. 1257. Sense of Congress on support for Poland.

Subtitle G—Other Matters

- Sec. 1261. Sense of Congress on United States partners and allies.

- Sec. 1262. Modification to report on legal and policy frameworks for the use of military force.
- Sec. 1263. Limitation on availability of certain funds until report submitted on Department of Defense awards and disciplinary action as a result of the 2017 incident in Niger.
- Sec. 1264. Independent assessment of sufficiency of resources available to United States Southern Command and United States Africa Command.
- Sec. 1265. Rule of construction relating to use of military force.
- Sec. 1266. Rule of construction relating to use of military force against Venezuela.
- Sec. 1267. Sense of Congress on acquisition by Turkey of Patriot system.

Subtitle H—Baltic Reassurance Act

- Sec. 1271. Findings.
- Sec. 1272. Sense of Congress.
- Sec. 1273. Defense assessment.
- Sec. 1274. Appropriate congressional committees defined.

TITLE XIII—COOPERATIVE THREAT REDUCTION

- Sec. 1301. Funding allocations.
- Sec. 1302. Specification of cooperative threat reduction funds.

TITLE XIV—OTHER AUTHORIZATIONS

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- Sec. 1401. Working capital funds.
- Sec. 1402. Chemical agents and munitions destruction, defense.
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- Sec. 1404. Defense Inspector General.
- Sec. 1405. Defense health program.
- Sec. 1406. National defense sealift fund.

Subtitle B—Other Matters

- Sec. 1411. 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. 1412. Authorization of appropriations for Armed Forces Retirement Home.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

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- 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.

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- Sec. 1521. Afghanistan Security Forces Fund.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

- Sec. 1601. National Security Space Launch program.
- Sec. 1602. Preparation to implement plan for use of allied launch vehicles.
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- Sec. 1605. Prototype program for multi-global navigation satellite system receiver development.
- Sec. 1606. Commercial space situational awareness capabilities.
- Sec. 1607. Independent study on plan for deterrence in space.
- Sec. 1608. Resilient enterprise ground architecture.

Subtitle B—Defense Intelligence and Intelligence-Related Activities

- Sec. 1611. Modifications to ISR Integration Council and annual briefing requirements.
- Sec. 1612. Survey and report on alignment of intelligence collections capabilities and activities with Department of Defense requirements.
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Subtitle C—Cyberspace-Related Matters

- Sec. 1621. Notification requirements for sensitive military cyber operations.
- Sec. 1622. Quarterly cyber operations briefings.
- Sec. 1623. Cyber posture review.
- Sec. 1624. Tier 1 exercise of support to civil authorities for a cyber incident.
- Sec. 1625. Evaluation of cyber vulnerabilities of major weapon systems of the Department of Defense.
- Sec. 1626. Extension of the Cyberspace Solarium Commission.
- Sec. 1627. Authority to use operation and maintenance funds for cyber operations-peculiar capability development projects.
- Sec. 1628. Notification of delegation of authorities to the Secretary of Defense for military operations in cyberspace.
- Sec. 1629. Limitation of funding for Consolidated Afloat Networks and Enterprise Services.
- Sec. 1630. Annual military cyberspace operations report.
- Sec. 1631. Report on synchronization of efforts relating to cybersecurity in the Defense Industrial Base.
- Sec. 1632. Briefings on the status of the National Security Agency and United States Cyber Command partnership.

Subtitle D—Nuclear Forces

- Sec. 1641. Improvement to annual report on the modernization of the nuclear weapons enterprise.
- Sec. 1642. Briefings on meetings held by the Nuclear Weapons Council.
- Sec. 1643. Elimination of conventional requirement for long-range standoff weapon.
- Sec. 1644. Extension of annual briefing on the costs of forward-deploying nuclear weapons in Europe.
- Sec. 1645. Ten-year extension of prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile.
- Sec. 1646. Prohibition on availability of funds for deployment of low-yield ballistic missile warhead.
- Sec. 1647. Report on military-to-military dialogue to reduce the risk of miscalculation leading to nuclear war.
- Sec. 1648. Plan on nuclear command, control, and communications systems.
- Sec. 1649. Independent study on policy of no-first-use of nuclear weapons.
- Sec. 1650. Independent study on risks of nuclear terrorism and nuclear war.

Subtitle E—Missile Defense Programs

- Sec. 1661. National missile defense policy.
- Sec. 1662. Development of hypersonic and ballistic missile tracking space sensor payload.
- Sec. 1663. Requirement for testing of redesigned kill vehicle prior to production.
- Sec. 1664. Development of space-based ballistic missile intercept layer.
- Sec. 1665. Organization, authorities, and billets of the Missile Defense Agency.
- Sec. 1666. Missile defense interceptor site in contiguous United States.
- Sec. 1667. Missile defense radar in Hawaii.
- Sec. 1668. Limitation on availability of funds for lower tier air and missile sensor.
- Sec. 1669. Command and control, battle management, and communications program.
- Sec. 1670. Annual assessment of ballistic missile defense system.

Subtitle F—Other Matters

- Sec. 1681. Modification to reports on certain solid rocket motors.
- Sec. 1682. Repeal of review requirement for ammonium perchlorate report.
- Sec. 1683. Repeal of requirement for commission on electromagnetic pulse attacks and similar events.
- Sec. 1684. Conventional prompt global strike weapon system.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

- Sec. 2001. Short title.
- Sec. 2002. Expiration of authorizations and amounts required to be specified by law.
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TITLE XXI—ARMY MILITARY CONSTRUCTION

- Sec. 2101. Authorized Army construction and land acquisition projects.
- Sec. 2102. Family housing.
- Sec. 2103. Authorization of appropriations, Army.
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TITLE XXII—NAVY MILITARY 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.
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TITLE XXIII—AIR FORCE 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 authorities to carry out phased Joint Intelligence Analysis Complex consolidation.
- Sec. 2306. Modification of authority to carry out certain fiscal year 2016 project.
- Sec. 2307. Modification of authority to carry out certain fiscal year 2017 project.
- Sec. 2308. Modification of authority to carry out certain fiscal year 2018 projects.
- Sec. 2309. Modification of authority to carry out certain fiscal year 2019 projects.

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

- Sec. 2401. Authorized Defense Agencies construction and land acquisition projects.
- Sec. 2402. Authorized energy resiliency and energy conservation projects.
- Sec. 2403. Authorization of appropriations, Defense Agencies.

TITLE XXV—INTERNATIONAL PROGRAMS

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- Sec. 2501. Authorized NATO construction and land acquisition projects.
- Sec. 2502. Authorization of appropriations, NATO.

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- Sec. 2511. Republic of Korea funded construction projects.

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

- 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.
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- Sec. 2605. Authorized Air Force Reserve construction and land acquisition projects.
- Sec. 2606. Authorization of appropriations, National Guard and Reserve.

TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES

- Sec. 2701. Authorization of appropriations for base realignment and closure activities funded through Department of Defense base closure account.

TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

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- Sec. 2801. Prohibition on use of military construction funds for construction of a wall, fence, or other physical barrier along the southern border of the United States.
- Sec. 2802. Modification and clarification of construction authority in the event of a declaration of war or national emergency.
- Sec. 2803. Inclusion of information regarding military installation resilience in master plans for major military installations.
- Sec. 2804. Improved consultation with tribal governments when proposed military construction projects potentially impact Indian tribes.
- Sec. 2805. Amendment of Unified Facilities Criteria to promote military installation resilience, energy resilience, energy and climate resiliency, and cyber resilience.
- Sec. 2806. Modification to Department of Defense Form 1391 regarding consideration of potential long-term adverse environmental effects.

Subtitle B—Military Family Housing Reforms

- Sec. 2811. Enhanced protections for members of the Armed Forces and their dependents residing in privatized military housing units.
- Sec. 2812. Prohibition on use of nondisclosure agreements in connection with leases of military housing constructed or acquired using alternative authority for acquisition and improvement of military housing.
- Sec. 2813. Authority to furnish certain services in connection with use of alternative authority for acquisition and improvement of military housing.
- Sec. 2814. Modification to requirements for window fall prevention devices in military family housing units.
- Sec. 2815. Assessment of hazards in Department of Defense housing.
- Sec. 2816. Development of process to identify and address environmental health hazards in Department of Defense housing.
- Sec. 2817. Report on civilian personnel shortages for appropriate oversight of management of military housing constructed or acquired using alternative authority for acquisition and improvement of military housing.
- Sec. 2818. Inspector General review of Department of Defense oversight of privatized military housing.
- Sec. 2819. Department of Defense inspection authority regarding privatized military housing.
- Sec. 2820. Improvement of privatized military housing.

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- Sec. 2831. Improved energy security for main operating bases in Europe.
- Sec. 2832. Access to Department of Defense facilities for credentialed transportation workers.

Subtitle D—Land Conveyances

- Sec. 2841. Land conveyance, Hill Air Force Base, Utah.
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- Sec. 2851. Public notice regarding upcoming periods of Secretary of the Navy management of Shared Use Area of the Johnson Valley Off-Highway Vehicle Recreation Area.

Subtitle F—White Sands National Park and White Sands Missile Range

- Sec. 2861. Short title.
- Sec. 2862. Definitions.
- Sec. 2863. Findings.
- Sec. 2864. Establishment of White Sands National Park in the State of New Mexico.
- Sec. 2865. Transfers of administrative jurisdiction related to the National Park and White Sands Missile Range.
- Sec. 2866. Boundary modifications related to the National Park and Missile Range.

Subtitle G—Other Matters

- Sec. 2871. Installation and maintenance of fire extinguishers in Department of Defense facilities.
- Sec. 2872. Definition of community infrastructure for purposes of military base reuse studies and community planning assistance.
- Sec. 2873. Report on vulnerabilities from sea level rise to certain military installations located outside the continental United States.
- Sec. 2874. Black start exercises at Joint Bases.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY 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.
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TITLE XXX—AUTHORIZATION OF EMERGENCY MILITARY CONSTRUCTION

- Sec. 3001. Authorization of emergency Navy construction and land acquisition projects.
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DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs and Authorizations

- Sec. 3101. National Nuclear Security Administration.
- Sec. 3102. Defense environmental cleanup.
- Sec. 3103. Other defense activities.
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Subtitle B—Program Authorizations, Restrictions, Limitations, and Other Matters

- Sec. 3111. Personnel levels of the Office of the Administrator for Nuclear Security.
- Sec. 3112. Office of Cost Estimating and Program Evaluation.
- Sec. 3113. Clarification of certain Stockpile Responsiveness Program objectives.
- Sec. 3114. Modification to plutonium pit production capacity.
- Sec. 3115. Annual certification of shipments to Waste Isolation Pilot Plant.
- Sec. 3116. Repeal of limitation on availability of funds for acceleration of nuclear weapons dismantlement.
- Sec. 3117. Elimination of limitation on availability of funds relating to submission of annual reports on unfunded priorities.
- Sec. 3118. Program for research and development of advanced naval nuclear fuel system based on low-enriched uranium.
- Sec. 3119. Replacement of W78 warhead.
- Sec. 3120. National Laboratory Jobs Access Program.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

- Sec. 3201. Authorization.
- Sec. 3202. Improvements to Defense Nuclear Facilities Safety Board.

TITLE XXXIV—NAVAL PETROLEUM RESERVES

- Sec. 3401. Authorization of appropriations.

TITLE XXXV—MARITIME MATTERS

Subtitle A—Maritime Administration

- Sec. 3501. Authorization of the Maritime Administration.
- Sec. 3502. Reauthorization of Maritime Security Program.
- Sec. 3503. Maritime Occupational Safety and Health Advisory Committee.

Subtitle B—Tanker Security Fleet

- Sec. 3511. Tanker Security Fleet.

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 **DIVISION A—DEPARTMENT OF**
6 **DEFENSE AUTHORIZATIONS**

7 **TITLE I—PROCUREMENT**

8 **Subtitle A—Authorization of**
9 **Appropriations**

10 **SEC. 101. AUTHORIZATION OF APPROPRIATIONS.**

11 Funds are hereby authorized to be appropriated for
12 fiscal year 2020 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—Navy Programs**

4 **SEC. 111. MODIFICATION OF ANNUAL REPORT ON COST** 5 **TARGETS FOR CERTAIN AIRCRAFT CAR-** 6 **RIERS.**

7 Section 126(c) of the National Defense Authorization
8 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.
9 2035) is amended—

10 (1) in the subsection heading, by striking “AND
11 CVN–80” and inserting “, CVN–80, AND CVN–81”;

12 (2) in paragraph (1), by striking “costs de-
13 scribed in subsection (b) for the CVN–79 and CVN–
14 80” and inserting “cost targets for the CVN–79, the
15 CVN–80, and the CVN–81”; and

16 (3) in paragraph (2)—

17 (A) in the matter preceding subparagraph
18 (A), by striking “ and the CVN–80” and insert-
19 ing “, the CVN–80, and the CVN–81”

20 (B) in subparagraph (A), by striking
21 “costs described in subsection (b)” and insert-
22 ing “cost targets”;

23 (C) in subparagraph (F), by striking
24 “costs specified in subsection (b)” and inserting
25 “cost targets”; and

1 (D) in subparagraph (G), by striking
2 “costs specified in subsection (b)” and inserting
3 “cost targets”.

4 **SEC. 112. REPEAL OF REQUIREMENT TO ADHERE TO NAVY**
5 **COST ESTIMATES FOR CERTAIN AIRCRAFT**
6 **CARRIERS.**

7 Section 122 of the John Warner National Defense
8 Authorization Act for Fiscal Year 2007 (Public Law 109–
9 364; 120 Stat. 2104), as most recently amended by sec-
10 tion 121(a) of the National Defense Authorization Act for
11 Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1309),
12 is repealed.

13 **SEC. 113. FORD CLASS AIRCRAFT CARRIER SUPPORT FOR**
14 **F-35C AIRCRAFT.**

15 Before accepting delivery of the Ford class aircraft
16 carrier designated CVN-79, the Secretary of the Navy
17 shall ensure that the aircraft carrier is capable of oper-
18 ating and deploying with the F-35C aircraft.

19 **SEC. 114. PROHIBITION ON USE OF FUNDS FOR REDUCTION**
20 **OF AIRCRAFT CARRIER FORCE STRUCTURE.**

21 None of the funds authorized to be appropriated by
22 this Act or otherwise made available for fiscal year 2020
23 for the Department of Defense may be obligated or ex-
24 pended to reduce the number of operational aircraft car-

1 riers of the Navy below the number specified in section
2 8062(b) of title 10, United States Code.

3 **SEC. 115. DESIGN AND CONSTRUCTION OF AMPHIBIOUS**
4 **TRANSPORT DOCK DESIGNATED LPD-31.**

5 (a) IN GENERAL.—Using funds authorized to be ap-
6 propriated for the Department of Defense for Shipbuilding
7 and Conversion, Navy, the Secretary of the Navy may
8 enter into a contract, beginning with the fiscal year 2020
9 program year, for the design and construction of the am-
10 phibious transport dock designated LPD-31.

11 (b) USE OF INCREMENTAL FUNDING.—With respect
12 to the contract entered into under subsection (a), the Sec-
13 retary may use incremental funding to make payments
14 under the contract.

15 (c) CONDITION FOR OUT-YEAR CONTRACT PAY-
16 MENTS.—The contract entered into under subsection (a)
17 shall provide that any obligation of the United States to
18 make a payment under such contract for any fiscal year
19 after fiscal year 2020 is subject to the availability of ap-
20 propriations for that purpose for such later fiscal year.

21 **SEC. 116. LIMITATION ON AVAILABILITY OF FUNDS PEND-**
22 **ING QUARTERLY UPDATES ON THE CH-53K**
23 **KING STALLION HELICOPTER PROGRAM.**

24 (a) LIMITATION.—Of the funds authorized to be ap-
25 propriated by this Act or otherwise made available for fis-

1 cal year 2020 for aircraft procurement, Navy, for the CH-
2 53K King Stallion helicopter program, not more than 50
3 percent may be obligated or expended until a period of
4 30 days has elapsed following the date on which the Sec-
5 retary of the Navy provides the first briefing required
6 under subsection (b).

7 (b) QUARTERLY BRIEFINGS REQUIRED.—

8 (1) IN GENERAL.—Beginning not later than
9 October 1, 2019, and on a quarterly basis thereafter
10 through October 1, 2022, the Secretary of the Navy
11 shall provide to the Committee on Armed Services of
12 the House of Representatives a briefing on the
13 progress of the CH-53K King Stallion helicopter
14 program.

15 (2) ELEMENTS.—Each briefing under para-
16 graph (1) shall include, with respect to the CH-53K
17 King Stallion helicopter program, the following:

18 (A) An overview of the program schedule.

19 (B) A statement of the total cost of the
20 program as of the date of the briefing, includ-
21 ing the costs of development, testing, and pro-
22 duction.

23 (C) A comparison of the total cost of the
24 program relative to the approved acquisition
25 program baseline.

1 (D) An assessment of flight testing under
2 the program, including identification of the
3 number of test events have been conducted on-
4 time in accordance with the joint integrated
5 program schedule.

6 (E) An update on the correction of tech-
7 nical deficiencies under the program, includ-
8 ing—

9 (i) identification of the technical defi-
10 ciencies that have been corrected as of the
11 date of the briefing;

12 (ii) identification of the technical defi-
13 ciencies that have been discovered, but not
14 corrected, as of such date;

15 (iii) an estimate of the total cost of
16 correcting technical deficiencies under the
17 program; and

18 (iv) an explanation of any significant
19 deviations from the testing and program
20 schedule that are anticipated due to the
21 discovery and correction of technical defi-
22 ciencies.

1 **SEC. 117. LIMITATION ON AVAILABILITY OF FUNDS FOR**
2 **VH-92A HELICOPTER.**

3 (a) LIMITATION.—Of the funds authorized to be ap-
4 propriated by this Act or otherwise made available for fis-
5 cal year 2020 for procurement for the VH-92A helicopter,
6 not more than 75 percent may be obligated or expended
7 until the date on which the Secretary of Navy submits to
8 the Committee on Armed Services of the House of Rep-
9 resentatives the report required under subsection (b).

10 (b) REPORT REQUIRED.—The Secretary of the Navy
11 shall submit to the Committee on Armed Services of the
12 House of Representatives a report assessing the status of
13 the VH-92A helicopter program industrial base and the
14 potential impact of proposed manufacturing base changes
15 on the acquisition program. The report shall include a de-
16 scription of—

17 (1) estimated effects on the manufacturing
18 readiness level of the VH-92 program due to
19 planned changes to the program manufacturing
20 base;

21 (2) the estimated costs and assessment of cost
22 risk to the program due to planned changes to the
23 program manufacturing base;

24 (3) any estimated schedule impacts, including
25 impacts on delivery dates for the remaining low-rate

1 initial production lots and full rate production, re-
2 sulting from changes to the manufacturing base;

3 (4) an assessment of the effect of changes to
4 the manufacturing base on VH-92A sustainment;
5 and

6 (5) the impact of such changes on production
7 and sustainment capacity for the MH-60 and CH-
8 53K helicopters of the Navy.

9 **SEC. 118. NATIONAL DEFENSE RESERVE FLEET VESSEL.**

10 (a) IN GENERAL.—Subject to the availability of ap-
11 propriations, the Secretary of the Navy, acting through
12 the executive agent described in subsection (e), shall seek
13 to enter into a contract for the construction of one sealift
14 vessel for the National Defense Reserve Fleet.

15 (b) DELIVERY DATE.—The contract entered into
16 under subsection (a) shall specify a delivery date for the
17 sealift vessel of not later than September 30, 2026.

18 (c) DESIGN AND CONSTRUCTION REQUIREMENTS.—

19 (1) USE OF EXISTING DESIGN.—The design of
20 the sealift vessel shall be based on a domestic or for-
21 eign design that exists as of the date of the enact-
22 ment of this Act.

23 (2) COMMERCIAL STANDARDS AND PRAC-
24 TICES.—Subject to paragraph (1), the sealift vessel
25 shall be constructed using commercial design stand-

1 ards and commercial construction practices that are
2 consistent with the best interests of the Federal
3 Government.

4 (3) DOMESTIC SHIPYARD.—The sealift vessel
5 shall be constructed in a shipyard that is located in
6 the United States.

7 (d) CERTIFICATE AND ENDORSEMENT.—The sealift
8 vessel shall meet the requirements necessary to receive a
9 certificate of documentation and a coastwise endorsement
10 under chapter 121 of title 46, United States Code, and the
11 Secretary of the Navy shall ensure that the completed ves-
12 sel receives such a certificate and endorsement.

13 (e) EXECUTIVE AGENT.—

14 (1) IN GENERAL.—The Secretary of the Navy
15 shall seek to enter into a contract or other agree-
16 ment with a private-sector entity under which the
17 entity shall act as executive agent for the Secretary
18 for purposes of the contract under subsection (a).

19 (2) RESPONSIBILITIES.—The executive agent
20 described in paragraph (1) shall be responsible for—

21 (A) selecting a shipyard for the construc-
22 tion of the sealift vessel;

23 (B) managing and overseeing the construc-
24 tion of the sealift vessel; and

1 (C) such other matters as the Secretary of
2 the Navy determines to be appropriate

3 (f) USE OF INCREMENTAL FUNDING.—With respect
4 to the contract entered into under subsection (a), the Sec-
5 retary of the Navy may use incremental funding to make
6 payments under the contract.

7 (g) SEALIFT VESSEL DEFINED.—In this section, the
8 term “sealift vessel” means the sealift vessel constructed
9 for the National Defense Reserve Fleet pursuant to the
10 contract entered into under subsection (a).

11 **Subtitle C—Air Force Programs**

12 **SEC. 121. MODIFICATION OF REQUIREMENT TO PRESERVE** 13 **CERTAIN C-5 AIRCRAFT.**

14 Section 141(d) of the National Defense Authorization
15 Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat.
16 1661) is amended—

17 (1) in paragraph (1), by striking “until the date
18 that is 30 days after the date on which the briefing
19 under section 144(b) of the National Defense Au-
20 thorization Act for Fiscal Year 2018 is provided to
21 the congressional defense committees”; and

22 (2) in paragraph (2)(A), by striking “can be re-
23 turned to service” and inserting “is inducted into or
24 maintained in type 1000 recallable storage”.

1 **SEC. 122. MODIFICATION OF LIMITATION ON USE OF FUNDS**
2 **FOR KC-46A AIRCRAFT.**

3 Section 146(a)(1) of the John S. McCain National
4 Defense Authorization Act for Fiscal Year 2019 (Public
5 Law 115-232) is amended by striking “the military type
6 certification” and inserting “either the military type cer-
7 tification or a military flight release”.

8 **SEC. 123. F-15EX AIRCRAFT PROGRAM.**

9 (a) DESIGNATION OF MAJOR SUBPROGRAM.—In ac-
10 cordance with section 2430a of title 10, United States
11 Code, the Secretary of Defense shall designate the F-
12 15EX program as a major subprogram of the F-15 air-
13 craft program.

14 (b) LIMITATION.—Except as provided in subsection
15 (c), none of the funds authorized to be appropriated by
16 this Act or otherwise made available for fiscal year 2020
17 for the Air Force may be obligated or expended to procure
18 an F-15EX aircraft until a period of 30 days has elapsed
19 following the date on which the Secretary of the Air Force
20 submits to the congressional defense committees the fol-
21 lowing documentation relating to the F-15EX program:

- 22 (1) A program acquisition strategy.
- 23 (2) An acquisition program baseline.
- 24 (3) A test and evaluation master plan.
- 25 (4) A life-cycle sustainment plan.
- 26 (5) A post-production fielding strategy.

1 (c) EXCEPTION FOR PRODUCTION OF PROTO-
2 TYPES.—

3 (1) IN GENERAL.—Notwithstanding subsection
4 (b), the Secretary of the Air Force may use the
5 funds described in paragraph (2) to develop,
6 produce, and test not more than two prototypes of
7 the F-15EX aircraft.

8 (2) FUNDS DESCRIBED.—The funds described
9 in this paragraph are funds authorized to be appro-
10 priated by this Act or otherwise made available for
11 fiscal year 2020 for the Air Force for any of the fol-
12 lowing:

13 (A) Research and development, non-
14 recurring engineering.

15 (B) Aircraft procurement.

16 (d) F-15EX PROGRAM DEFINED.—In this section,
17 the term “F-15EX program” means the F-15EX aircraft
18 program of the Air Force as described in the materials
19 submitted to Congress by the Secretary of Defense in sup-
20 port of the budget of the President for fiscal year 2020
21 (as submitted to Congress under section 1105(a) of title
22 31, United States Code).

1 **SEC. 124. PROHIBITION ON AVAILABILITY OF FUNDS FOR**
2 **REDUCTION IN KC-10 PRIMARY MISSION AIR-**
3 **CRAFT INVENTORY.**

4 None of the funds authorized to be appropriated by
5 this Act or otherwise made available for fiscal year 2020
6 for the Air Force may be obligated or expended to reduce
7 the number of KC-10 aircraft in the primary mission air-
8 craft inventory of the Air Force.

9 **SEC. 125. LIMITATION ON AVAILABILITY OF FUNDS FOR VC-**
10 **25B AIRCRAFT.**

11 (a) LIMITATION.—None of the funds authorized to
12 be appropriated by this Act or otherwise made available
13 for fiscal year 2020 or any subsequent fiscal year for the
14 Air Force may be obligated or expended to carry out over-
15 and-above work on the VC-25B aircraft until the date on
16 which the Secretary of the Air Force certifies to the con-
17 gressional defense committees that—

18 (1) with respect to work relating to aircraft
19 paint scheme, interiors and livery, such work will not
20 result in changes to the VC-25B aircraft that cause
21 the aircraft to exceed—

22 (A) the specification requirements applica-
23 ble to the VC-25A aircraft; or

24 (B) the quality or grade of the VC-25A
25 aircraft;

1 (2) the livery for the VC-25B aircraft will com-
2 ply with the criteria set forth in the report of the
3 Boeing Company titled “Phase II Aircraft Livery
4 and Paint Study Final Report” as submitted to the
5 Federal Government in April 2017;

6 (3) such work is not a result of late design
7 changes made by the Federal Government to the in-
8 terior design of the VC-25B aircraft; and

9 (4) such work is not a result of rework that ex-
10 ceeds the criteria set forth in the report of the Boe-
11 ing Company titled “Presidential Quality Interior
12 Acceptance Standards Report” as submitted to the
13 Federal Government in September 2018.

14 (b) OVER-AND-ABOVE WORK DEFINED.—In this sec-
15 tion, the term “over-and-above work” means work discov-
16 ered during the course of performing overhaul, mainte-
17 nance, or repair efforts that—

18 (1) is within the general scope of the contract
19 pursuant to which such efforts are carried out;

20 (2) is not covered by a line item for the basic
21 work under the contract; and

22 (3) is necessary in order to satisfactorily com-
23 plete the contract.

1 **SEC. 126. LIMITATION ON AVAILABILITY OF FUNDS FOR RE-**
2 **TIREMENT OF RC-135 AIRCRAFT.**

3 (a) LIMITATION.—Except as provided in subsection
4 (b), none of the funds authorized to be appropriated by
5 this Act or otherwise made available for fiscal year 2020
6 for the Air Force may be obligated or expended to retire,
7 or prepare to retire, any RC-135 aircraft until a period
8 of 60 days has elapsed following the date on which the
9 Secretary of Defense certifies to the congressional defense
10 committees that—

11 (1) technologies other than the RC-135 aircraft
12 provide capacity and capabilities equivalent to the
13 capacity and capabilities of the RC-135 aircraft;
14 and

15 (2) the capacity and capabilities of such other
16 technologies meet the requirements of combatant
17 commanders with respect to indications and warn-
18 ing, intelligence preparation of the operational envi-
19 ronment, and direct support for kinetic and non-
20 kinetic operations.

21 (b) EXCEPTION.—The limitation in subsection (a)
22 shall not apply to individual RC-135 aircraft that the Sec-
23 retary of the Air Force determines, on a case-by-case
24 basis, to be no longer mission capable because of mishaps,
25 other damage, or being uneconomical to repair.

1 **SEC. 127. REPORT ON AIRCRAFT FLEET OF THE CIVIL AIR**
2 **PATROL.**

3 (a) REPORT.—Not later than 90 days after the date
4 of the enactment of this Act, the Secretary of the Air
5 Force shall submit to the congressional defense commit-
6 tees a report on the aircraft fleet of the Civil Air Patrol.

7 (b) ELEMENTS.—The report required by subsection
8 (a) shall include an assessment of each of the following:

9 (1) Whether the number of aircraft, types of
10 aircraft, and operating locations that comprise the
11 Civil Air Patrol fleet are suitable for the missions
12 and responsibilities assigned to the Civil Air Patrol,
13 including—

14 (A) flight proficiency and training;

15 (B) operational mission training; and

16 (C) support for cadet orientation and cadet
17 flight training programs in the Civil Air Patrol
18 wing of each State.

19 (2) The ideal overall size of the Civil Air Patrol
20 aircraft fleet, including a description of the factors
21 used to determine that ideal size.

22 (3) The process used by the Civil Air Patrol
23 and the Air Force to determine the number and lo-
24 cation of aircraft operating locations and whether
25 State Civil Air Patrol wing commanders are appro-
26 priately involved in that process.

1 (4) The process used by the Civil Air Patrol,
2 the Air Force, and other relevant entities to deter-
3 mine the type and number of aircraft that are need-
4 ed to support the emergency, operational, and train-
5 ing missions of the Civil Air Patrol.

6 **Subtitle D—Defense-wide, Joint,**
7 **and Multiservice Matters**

8 **SEC. 131. ECONOMIC ORDER QUANTITY CONTRACTING AND**
9 **BUY-TO-BUDGET ACQUISITION FOR F-35 AIR-**
10 **CRAFT PROGRAM.**

11 (a) ECONOMIC ORDER QUANTITY CONTRACT AU-
12 THORITY.—

13 (1) IN GENERAL.—Subject to paragraphs (2)
14 through (5), from amounts made available for obli-
15 gation under the F-35 aircraft program for fiscal
16 year 2020, the Secretary of Defense may enter into
17 one or more contracts, beginning with the fiscal year
18 2020 program year, for the procurement of economic
19 order quantities of material and equipment that has
20 completed formal hardware qualification testing for
21 the F-35 aircraft program for use in procurement
22 contracts to be awarded for such program during
23 fiscal years 2021, 2022, and 2023.

1 (2) LIMITATION.—The total amount obligated
2 under all contracts entered into under paragraph (1)
3 shall not exceed \$574,000,000.

4 (3) PRELIMINARY FINDINGS.—Before entering
5 into a contract under paragraph (1), the Secretary
6 of Defense shall make each of the following findings
7 with respect to such contract:

8 (A) The use of such a contract will result
9 in significant savings of the total anticipated
10 costs of carrying out the program through an-
11 nual contracts.

12 (B) The minimum need for the property to
13 be procured is expected to remain substantially
14 unchanged during the contemplated contract
15 period in terms of production rate, procurement
16 rate, and total quantities.

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

22 (D) That there is a stable, certified, and
23 qualified design for the property to be procured
24 and that the technical risks and redesign risks
25 associated with such property are low.

1 (E) The estimates of both the cost of the
2 contract and the anticipated cost avoidance
3 through the use of an economic order quantity
4 contract are realistic.

5 (F) Entering into the contract will pro-
6 mote the national security interests of the
7 United States.

8 (4) CERTIFICATION REQUIREMENT.—Except as
9 provided in paragraph (5), the Secretary of Defense
10 may not enter into a contract under paragraph (1)
11 until a period of 30 days has elapsed following the
12 date on which the Secretary certifies to the congres-
13 sional defense committees, in writing, that each of
14 the following conditions is satisfied:

15 (A) A sufficient number of end items of
16 the system being acquired under such contract
17 have been delivered at or within the most re-
18 cently available estimates of the program acqui-
19 sition unit cost or procurement unit cost for
20 such system to determine that the estimates of
21 the unit costs are realistic.

22 (B) During the fiscal year in which such
23 contract is to be awarded, sufficient funds will
24 be available to perform the contract in such fis-
25 cal year, and the future-years defense program

1 submitted to Congress under section 221 of
2 title 10, United States Code, for that fiscal year
3 will include the funding required to execute the
4 program without cancellation.

5 (C) The contract is a fixed-price type con-
6 tract.

7 (D) The proposed contract provides for
8 production at not less than minimum economic
9 rates given the existing tooling and facilities.

10 (E) The Secretary has determined that
11 each of the conditions described in subpara-
12 graphs (A) through (F) of paragraph (3) will be
13 met by such contract and has provided the
14 basis for such determination to the congres-
15 sional defense committees.

16 (F) The determination under subpara-
17 graph (E) was made after the completion of a
18 cost analysis performed by the Director of Cost
19 Assessment and Program Evaluation for the
20 purpose of section 2334 of title 10, United
21 States Code, and the analysis supports that de-
22 termination.

23 (5) EXCEPTION.—Notwithstanding paragraph
24 (4), the Secretary of Defense may enter into a con-

1 tract under paragraph (1) on or after March 1,
2 2020, if—

3 (A) the Director of Cost Assessment and
4 Program Evaluation has not completed a cost
5 analysis of the preliminary findings made by
6 the Secretary under paragraph (3) with respect
7 to the contract;

8 (B) the Secretary certifies to the congres-
9 sional defense committees, in writing, that each
10 of the conditions described in subparagraphs
11 (A) through (E) of paragraph (4) is satisfied;
12 and

13 (C) a period of 30 days has elapsed fol-
14 lowing the date on which the Secretary submits
15 the certification under subparagraph (B).

16 (b) BUY-TO-BUDGET ACQUISITION.—Subject to sec-
17 tion 2308 of title 10, United States Code, using funds au-
18 thorized to be appropriated by this Act for the procure-
19 ment of F-35 aircraft, the Secretary of Defense may pro-
20 cure a quantity of F-35 aircraft in excess of the quantity
21 authorized by this Act if such additional procurement does
22 not require additional funds to be authorized to be appro-
23 priated because of production efficiencies or other cost re-
24 ductions.

1 **SEC. 132. PROGRAM REQUIREMENTS FOR THE F-35 AIR-**
2 **CRAFT PROGRAM.**

3 (a) DESIGNATION OF MAJOR SUBPROGRAM.—In ac-
4 cordance with section 2430a of title 10, United States
5 Code, the Secretary of Defense shall designate F-35 Block
6 4 as a major subprogram of the F-35 aircraft program.

7 (b) COST ESTIMATES.—

8 (1) JOINT COST ESTIMATE.—The Secretary of
9 the Air Force and the Secretary of the Navy shall
10 jointly develop a joint service cost estimate for the
11 life-cycle costs of the F-35 aircraft program.

12 (2) INDEPENDENT COST ESTIMATE.—The Di-
13 rector of Cost Assessment and Program Evaluation
14 shall develop an independent cost estimate for the
15 life-cycle costs of the F-35 aircraft program.

16 (3) SUBMITTAL TO CONGRESS.—The cost esti-
17 mates required under paragraphs (1) and (2) shall
18 be submitted to the congressional defense commit-
19 tees not later than 180 days after the date of the
20 enactment of this Act.

21 (c) REVISION OF PROGRAM ELEMENTS.—

22 (1) REVISION REQUIRED.—The Secretary of
23 Defense shall revise the program elements applicable
24 to the F-35 aircraft program as follows:

25 (A) RESEARCH AND DEVELOPMENT.—The
26 program element for research and development

1 costs (as that element was specified in the ma-
2 terials submitted to Congress by the Secretary
3 of Defense in support of the budget of the
4 President for fiscal year 2020 (as submitted to
5 Congress under section 1105(a) of title 31,
6 United States Code)) shall be separated into
7 the following individual program elements:

8 (i) System development and dem-
9 onstration closeout.

10 (ii) F-35 Block 4.

11 (iii) Autonomic logistics information
12 system development and upgrades.

13 (iv) Dual-capable aircraft.

14 (v) Test infrastructure.

15 (vi) Additional program budget ele-
16 ments, as required, for each modernization
17 or upgrade effort initiated after F-35
18 Block 4.

19 (B) PROCUREMENT.—The program ele-
20 ment for procurement costs (as that element
21 was specified in the materials submitted to Con-
22 gress by the Secretary of Defense in support of
23 the budget of the President for fiscal year 2020
24 (as submitted to Congress under section
25 1105(a) of title 31, United States Code)) shall

1 be separated into the following individual pro-
2 gram elements:

3 (i) Recurring fly-away and ancillary
4 equipment.

5 (ii) Non-recurring fly-away and ancil-
6 lary equipment.

7 (iii) F-35 Block 4.

8 (iv) Autonomic logistics information
9 system.

10 (v) Dual-capable aircraft.

11 (vi) Engineering support.

12 (vii) Aircraft retrofit and modifica-
13 tion.

14 (viii) Depot activation.

15 (ix) Initial spares.

16 (x) Production support.

17 (2) INCLUSION IN BUDGET MATERIALS.—The
18 Secretary of Defense shall ensure that each revised
19 program element described in paragraph (1) is in-
20 cluded, with a specific dollar amount, in the mate-
21 rials relating to the F-35 aircraft program sub-
22 mitted to Congress by the Secretary of Defense in
23 support of the budget of the President (as submitted
24 to Congress under section 1105(a) of title 31,
25 United States Code) for fiscal year 2021 and each

1 fiscal year thereafter until the date on which the F-
2 35 aircraft program terminates.

3 (d) COMPTROLLER GENERAL REPORTS.—

4 (1) ANNUAL REPORT REQUIRED.—Not later
5 than 30 days after the date on which the budget of
6 the President is submitted to Congress under section
7 1105(a) of title 31, United States Code, for each of
8 fiscal years 2021 through 2025, the Comptroller
9 General of the United States shall submit to the
10 congressional defense committees a report on the F-
11 35 aircraft program.

12 (2) ELEMENTS.—Each report under paragraph
13 (1) shall include, with respect to the F-35 aircraft
14 program, the following:

15 (A) An assessment of the progress of man-
16 ufacturing processes improvement under the
17 program.

18 (B) The business case analysis of the De-
19 partment of Defense for F-35 Block 4 follow-
20 on modernization efforts.

21 (C) The progress and results of F-35
22 Block 4 and other follow-on modernization de-
23 velopment and testing efforts.

1 (D) The Department's schedule for deliv-
2 ering software upgrades in six-month, scheduled
3 increments.

4 (E) The progress and results of any other
5 significant hardware development and fielding
6 efforts necessary for F-35 Block 4.

7 (F) Any other issues the Comptroller Gen-
8 eral determines to be appropriate.

9 (e) F-35 BLOCK 4 DEFINED.—In this section, the
10 term “F-35 Block 4” means Block 4 capability upgrades
11 for the F-35 aircraft program as described in the Selected
12 Acquisition Report for the program submitted to Congress
13 in March 2019, pursuant to section 2432 of title 10,
14 United States Code.

15 **SEC. 133. REPORTS ON F-35 AIRCRAFT PROGRAM.**

16 (a) REPORT ON F-35 RELIABILITY AND MAINTAIN-
17 ABILITY METRICS.—The Secretary of Defense shall sub-
18 mit to the congressional defense committees a report on
19 the reliability and maintainability metrics for the F-35
20 aircraft. The report shall include the following:

21 (1) The results of a review and assessment,
22 conducted by the program office for the F-35 air-
23 craft program, of the reliability and maintainability
24 metrics for the aircraft as set forth in the most re-

1 cent operational requirements document for the pro-
2 gram.

3 (2) A determination of whether the reliability
4 and maintainability metrics for the aircraft, as set
5 forth in the most recent operational requirements
6 document for the program, are feasible and attain-
7 able, and what changes, if any, will be made to up-
8 date the metrics.

9 (3) A certification that the program office for
10 the F-35 aircraft program has revised the reliability
11 and maintainability improvement plan for the air-
12 craft—

13 (A) to identify specific and measurable re-
14 liability and maintainability objectives in the
15 improvement plan guidance; and

16 (B) to identify and document which
17 projects included in the improvement plan will
18 achieve the objectives identified under subpara-
19 graph (A).

20 (b) REPORT ON F-35 BLOCK 4.—

21 (1) IN GENERAL.—The Secretary of Defense
22 shall submit to the congressional defense committees
23 a report on F-35 Block 4. The report shall include
24 the following:

1 (A) The results of an independent cost es-
2 timate for F-35 Block 4 conducted by the Di-
3 rector of Cost Assessment and Program Eval-
4 uation.

5 (B) A test and evaluation master plan, ap-
6 proved by the Director of Operational Test and
7 Evaluation, that addresses testing resources,
8 testing aircraft shortfalls, and testing funding.

9 (C) A technology readiness assessment of
10 all technologies and capabilities planned for F-
11 35 Block 4 conducted by the Under Secretary
12 of Defense for Research and Engineering.

13 (D) A review of the feasibility of the con-
14 tinuous capability development and delivery
15 strategy for fielding F-35 Block 4 technologies
16 conducted by the Under Secretary of Defense
17 for Research and Engineering.

18 (2) F-35 BLOCK 4 DEFINED.—In this sub-
19 section, the term “F-35 Block 4” has the meaning
20 given that term in section 132(e).

21 (c) REPORT ON F-35 AUTONOMIC LOGISTICS INFOR-
22 MATION SYSTEM.—The Secretary of Defense shall submit
23 to the congressional defense committees a report on the
24 autonomic logistics information system of the F-35 air-

1 craft. The report shall include a description of each of the
2 following:

3 (1) All shortfalls, capability gaps, and defi-
4 ciencies in the system that have been identified as
5 of the date of the enactment of this Act.

6 (2) The strategy and performance requirements
7 that will be implemented to improve the system.

8 (3) The strategy, implementation plan, sched-
9 ule, and estimated costs of developing and fielding—

10 (A) the next generation of the system; or

11 (B) future increments of the system.

12 (d) DEADLINE FOR SUBMITTAL.—The reports re-
13 quired under subsections (a) through (c) shall be sub-
14 mitted to the congressional defense committees not later
15 than 180 days after the date of the enactment of this Act.

16 **TITLE II—RESEARCH, DEVELOP-** 17 **MENT, TEST, AND EVALUA-** 18 **TION**

19 **Subtitle A—Authorization of** 20 **Appropriations**

21 **SEC. 201. AUTHORIZATION OF APPROPRIATIONS.**

22 Funds are hereby authorized to be appropriated for
23 fiscal year 2020 for the use of the Department of Defense
24 for research, development, test, and evaluation, as speci-
25 fied in the funding table in section 4201.

1 **Subtitle B—Program Requirements, Restrictions, and Limitations**
2
3

4 **SEC. 211. PROGRAM ON ENHANCEMENT OF PREPARATION**
5 **OF DEPENDENTS OF MEMBERS OF ARMED**
6 **FORCES FOR CAREERS IN SCIENCE, TECH-**
7 **NOLOGY, ENGINEERING, AND MATHEMATICS.**

8 (a) PROGRAM REQUIRED.—Chapter 111 of title 10,
9 United States Code, is amended by inserting after section
10 2192a the following new section:

11 **“§ 2192b. Program on enhancement of preparation of**
12 **dependents of members of armed forces**
13 **for careers in science, technology, engi-**
14 **neering, and mathematics**

15 “(a) PROGRAM REQUIRED.—The Secretary of De-
16 fense shall carry out a program to—

17 “(1) enhance the preparation of students at
18 covered schools for careers in science, technology,
19 engineering, and mathematics; and

20 “(2) provide assistance to teachers at covered
21 schools to enhance preparation described in para-
22 graph (1).

23 “(b) COORDINATION.—In carrying out the program,
24 the Secretary shall coordinate with the following:

1 “(1) The Secretaries of the military depart-
2 ments.

3 “(2) The Secretary of Education.

4 “(3) The National Science Foundation.

5 “(4) Other organizations as the Secretary of
6 Defense considers appropriate.

7 “(c) ACTIVITIES.—Activities under the program may
8 include the following:

9 “(1) Establishment of targeted internships and
10 cooperative research opportunities at defense labora-
11 tories and other technical centers for students and
12 teachers at covered schools.

13 “(2) Establishment of scholarships and fellow-
14 ships for students at covered schools.

15 “(3) Efforts and activities that improve the
16 quality of science, technology, engineering, and
17 mathematics educational and training opportunities
18 for students and teachers at covered schools, includ-
19 ing with respect to improving the development of
20 curricula at covered schools.

21 “(4) Development of travel opportunities, dem-
22 onstrations, mentoring programs, and informal
23 science education for students and teachers at cov-
24 ered schools.

1 “(d) METRICS.—The Secretary shall establish out-
2 come-based metrics and internal and external assessments
3 to evaluate the merits and benefits of activities conducted
4 under the program with respect to the needs of the De-
5 partment of Defense.

6 “(e) COVERED SCHOOLS DEFINED.—In this section,
7 the term ‘covered schools’ means elementary or secondary
8 schools at which the Secretary determines a significant
9 number of dependents of members of the armed forces are
10 enrolled.”.

11 (b) CLERICAL AMENDMENT.—The table of sections
12 at the beginning of such chapter is amended by inserting
13 after the item relating to section 2192a the following new
14 item:

 “2192b. Program on enhancement of preparation of dependents of members of
 armed forces for careers in science, technology, engineering,
 and mathematics.”.

15 (c) CONFORMING REPEAL.—Section 233 of the Carl
16 Levin and Howard P. “Buck” McKeon National Defense
17 Authorization Act for Fiscal Year 2015 (Public Law 113–
18 291; 10 U.S.C. 2193a note) is repealed.

1 **SEC. 212. TEMPORARY INCLUSION OF JOINT ARTIFICIAL IN-**
2 **TELLIGENCE CENTER OF THE DEPARTMENT**
3 **OF DEFENSE IN PERSONNEL MANAGEMENT**
4 **AUTHORITY TO ATTRACT EXPERTS IN**
5 **SCIENCE AND ENGINEERING.**

6 (a) IN GENERAL.—Subsection (a) of section 1599h
7 of title 10, United States Code, is amended by adding at
8 the end the following new paragraph:

9 “(6) JOINT ARTIFICIAL INTELLIGENCE CEN-
10 TER.—The Director of the Joint Artificial Intel-
11 ligence Center may carry out a program of personnel
12 management authority provided in subsection (b) in
13 order to facilitate recruitment of eminent experts in
14 science or engineering for the Center. The authority
15 to carry out the program under this paragraph shall
16 terminate on December 31, 2024.”

17 (b) SCOPE OF APPOINTMENT AUTHORITY.—Sub-
18 section (b)(1) of such section is amended—

19 (1) in subparagraph (D), by striking “and” at
20 the end;

21 (2) in subparagraph (E), by adding “and” at
22 the end; and

23 (3) by adding at the end the following new sub-
24 paragraph:

25 “(F) in the case of the Joint Artificial In-
26 telligence Center, appoint scientists and engi-

1 neers to a total of not more than 5 scientific
2 and engineering positions in the Center;”.

3 (c) **EXTENSION OF TERMS OF APPOINTMENT.**—Sub-
4 section (c)(2) of such section is amended by striking “or
5 the Defense Innovation Unit Experimental” and inserting
6 “the Defense Innovation Unit Experimental, or the Joint
7 Artificial Intelligence Center”.

8 **SEC. 213. JOINT HYPERSONICS TRANSITION OFFICE.**

9 Section 218 of the John Warner National Defense
10 Authorization Act for Fiscal Year 2007 (Public Law 109–
11 364; 10 U.S.C. 2358 note) is amended—

12 (1) in subsection (a), by striking “the program
13 required under subsection (b), and shall” and insert-
14 ing “the program and activities described in sub-
15 sections (d) through (g), and shall”;

16 (2) by redesignating subsections (b) through (e)
17 as subsections (d) through (g), respectively;

18 (3) by inserting after subsection (a) the fol-
19 lowing new subsections:

20 “(b) **DIRECTOR.**—There is a Director of the Office
21 (referred to in this section as the ‘Director’). The Director
22 shall be appointed by the Secretary of Defense and shall
23 serve as the senior official in the Department of Defense
24 with principal responsibility for carrying out the program
25 and activities described in subsections (d) through (g).

1 The Director shall report to the Assistant Director for
2 Hypersonics within the Office of the Under Secretary of
3 Defense for Research and Engineering.

4 “(c) UNIVERSITY CONSORTIUM.—

5 “(1) DESIGNATION.—The Director shall des-
6 ignate a consortium of institutions of higher edu-
7 cation (as that term is defined in section 101 of the
8 Higher Education Act of 1965 (20 U.S.C. 1001)) to
9 lead foundational hypersonic research in research
10 areas that the Director determines to be appropriate
11 for the Department of Defense.

12 “(2) AVAILABILITY OF INFORMATION.—The Di-
13 rector shall ensure that the research results and re-
14 ports of the consortium are made available across
15 the Federal Government, the private sector, and aca-
16 demia, consistent with appropriate security classi-
17 fication guidance.”;

18 (4) in subsection (d), by striking “The Office”
19 and inserting “The Director”;

20 (5) in subsection (e), as so redesignated—

21 (A) in the matter preceding paragraph (1),
22 by striking “program required by subsection
23 (b), the Office” and inserting “program re-
24 quired by subsection (d), the Director”;

1 (B) in paragraph (3)(A), by striking “pri-
2 vate sector” and inserting “private-sector aca-
3 demic”; and

4 (C) in paragraph (5), by striking “certified
5 under subsection (e) as being consistent with
6 the roadmap under subsection (d)” and insert-
7 ing “certified under subsection (g) as being
8 consistent with the roadmap under subsection
9 (f)”;
10 (6) in subsection (f), as so redesignated—

11 (A) in paragraph (3)—

12 (i) in subparagraph (C)—

13 (I) in clause (i), by striking
14 “and” at the end;

15 (II) in clause (ii), by striking the
16 period at the end and inserting “;
17 and”; and

18 (III) by adding at the end the
19 following new clause:

20 “(iii) the activities and resources of
21 the consortium designated by the Director
22 under subsection (c) to be leveraged by the
23 Department to meet such goals.”; and

1 (ii) in subparagraph (D), by striking
2 “facilities” both places it appears and in-
3 serting “facilities and infrastructure”; and
4 (B) by adding at the end the following new
5 paragraph:

6 “(4) SUBMITTAL TO CONGRESS.—

7 “(A) INITIAL SUBMISSION.—Not later than
8 180 days after the date of the enactment of this
9 paragraph, the Secretary of Defense shall sub-
10 mit to the congressional defense committees the
11 roadmap developed under paragraph (1).

12 “(B) SUBSEQUENT SUBMISSIONS.—The
13 Secretary of Defense shall submit to the con-
14 gressional defense committees each roadmap re-
15 vised under paragraph (1) together with the
16 budget submitted to Congress under section
17 1105 of title 31, United States Code, for the
18 fiscal year concerned.”;

19 (7) in subsection (g), as so redesignated—

20 (A) by striking “subsection (d)” each place
21 it appears and inserting “subsection (f)”;

22 (B) in paragraph (1)—

23 (i) in the matter preceding subpara-
24 graph (A), by striking “The Office” and
25 insert “The Director”;

1 (ii) in subparagraph (A) by striking
2 “research, development, test, and evalua-
3 tion and demonstration programs within
4 the Department of Defense” and inserting
5 “defense-wide research, development, test,
6 and evaluation and demonstration pro-
7 grams”; and

8 (iii) in subparagraph (B), by striking
9 “the hypersonics” and inserting “all
10 hypersonics”;

11 (C) in paragraph (2), by striking “The Of-
12 fice” and inserting “The Director”; and

13 (D) in paragraph (3), by striking “2016”
14 and inserting “2026”; and

15 (8) by adding at the end the following new sub-
16 section:

17 “(h) FUNDING.—The Secretary may make available
18 such funds to the Office for basic research, applied re-
19 search, advanced technology development, prototyping,
20 studies and analyses, and organizational support as the
21 Secretary considers appropriate to support the efficient
22 and effective development of hypersonics technologies and
23 transition of those systems and technologies into acquisi-
24 tion programs or operational use.”.

1 **SEC. 214. MODIFICATION OF PROOF OF CONCEPT COMMER-**
2 **CIALIZATION PROGRAM.**

3 (a) **EXTENSION OF PROGRAM.**—Section 1603(g) of
4 the National Defense Authorization Act for Fiscal Year
5 2014 (Public Law 113–66; 10 U.S.C. 2359 note) is
6 amended by striking “2019” and inserting “2024”.

7 (b) **ADDITIONAL IMPROVEMENTS.**—Section 1603 of
8 such Act, as amended by subsection (a), is further amend-
9 ed—

10 (1) in the section heading, by inserting “**OF**
11 **DUAL-USE TECHNOLOGY**” after “**COMMER-**
12 **CIALIZATION**”;

13 (2) in subsection (a)—

14 (A) by inserting “of Dual-Use Technology”
15 before “Program”; and

16 (B) by inserting “with a focus on priority
17 defense technology areas that attract public and
18 private sector funding, as well as private sector
19 investment capital, including from venture cap-
20 ital firms in the United States,” before “in ac-
21 cordance”;

22 (3) in subsection (c)(4)(A)(iv), by inserting “,
23 which may include access to venture capital” after
24 “award”;

25 (4) by striking subsection (d);

1 (5) by redesignating subsection (e) as sub-
2 section (d);

3 (6) by striking subsection (f); and

4 (7) by adding at the end the following new sub-
5 section (e):

6 “(e) AUTHORITIES.—In carrying out this section, the
7 Secretary may use the following authorities:

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

11 “(2) Section 2368 of such title, relating to Cen-
12 ters for Science, Technology, and Engineering Part-
13 nerships.

14 “(3) Section 2374a of such title, relating to
15 prizes for advanced technology achievements.

16 “(4) Section 2474 of such title, relating to Cen-
17 ters of Industrial and Technical Excellence.

18 “(5) Section 2521 of such title, relating to the
19 Manufacturing Technology Program.

20 “(6) Section 225 of the National Defense Au-
21 thorization Act for Fiscal Year 2018 (Public Law
22 115–91; 10 U.S.C. 2359 note).

23 “(7) Section 1711 of such Act (Public Law
24 115–91; 10 U.S.C. 2505 note), relating to a pilot

1 program on strengthening manufacturing in the de-
2 fense industrial base.

3 “(8) Section 12 of the Stevenson-Wydler Tech-
4 nology Innovation Act of 1980 (15 U.S.C. 3710a)
5 and section 6305 of title 31, United States Code, re-
6 lating to cooperative research and development
7 agreements.”.

8 **SEC. 215. CONTRACT FOR NATIONAL SECURITY RESEARCH**
9 **STUDIES.**

10 (a) **CONTRACT AUTHORITY.**—The Secretary of De-
11 fense, acting through the Under Secretary of Defense for
12 Acquisition and Sustainment, shall seek to enter into a
13 contract with a federally funded research and development
14 center under which the private scientific advisory group
15 known as “JASON” will provide national security re-
16 search studies to the Department of Defense.

17 (b) **TERMS OF CONTRACT.**—The contract entered
18 into under subsection (a) shall be an indefinite delivery-
19 indefinite quantity contract with terms substantially simi-
20 lar to the terms of the contract in effect before March
21 28, 2019, under which JASON provided national security
22 research studies to the Department of Defense (solicita-
23 tion number HQ0034-19-R-0011 for JASON National Se-
24 curity Research Studies).

1 (c) TERMINATION.—The Secretary of Defense may
2 not terminate the contract under subsection (a) until a
3 period of 90 days has elapsed following the date on which
4 the Secretary notifies the congressional defense commit-
5 tees of the intent of the Secretary to terminate the con-
6 tract.

7 **SEC. 216. JASON SCIENTIFIC ADVISORY GROUP.**

8 Pursuant to section 173 of title 10, United States
9 Code, the Secretary of Defense shall seek to engage the
10 members of the private scientific advisory group known
11 as “JASON” as advisory personnel to provide advice, on
12 an ongoing basis, on matters involving science, technology,
13 and national security, including methods to defeat existen-
14 tial and technologically-amplified threats to national secu-
15 rity.

16 **SEC. 217. DIRECT AIR CAPTURE AND BLUE CARBON RE-**
17 **MOVAL TECHNOLOGY PROGRAM.**

18 (a) PROGRAM AUTHORIZED.—

19 (1) IN GENERAL.—The Secretary of Defense, in
20 coordination with the Secretary of Homeland Secu-
21 rity, the Secretary of Energy, and the heads of such
22 other Federal agencies as the Secretary of Defense
23 considers appropriate, may carry out a program on
24 research, development, testing, evaluation, study,

1 and demonstration of technologies related to blue
2 carbon capture and direct air capture.

3 (2) PROGRAM GOALS.—The goals of the pro-
4 gram established under paragraph (1) are as follows:

5 (A) To develop technologies that capture
6 carbon dioxide from seawater and the air to
7 turn such carbon dioxide into clean fuels to en-
8 hance fuel and energy security.

9 (B) To develop and demonstrate tech-
10 nologies that capture carbon dioxide from sea-
11 water and the air to reuse such carbon dioxide
12 to create products for military uses.

13 (C) To develop direct air capture tech-
14 nologies for use—

15 (i) at military installations or facilities
16 of the Department of Defense; or

17 (ii) in modes of transportation by the
18 Navy or the Coast Guard.

19 (3) PHASES.—The program established under
20 paragraph (1) shall be carried out in two phases as
21 follows:

22 (A) The first phase may consist of re-
23 search and development and shall be carried out
24 as described in subsection (b).

1 (B) The second phase shall consist of test-
2 ing and evaluation and shall be carried out as
3 described in subsection (c), if the Secretary de-
4 termines that the results of the research and
5 development phase justify implementing the
6 testing and evaluation phase.

7 (4) DESIGNATION.—The program established
8 under paragraph (1) shall be known as the “Direct
9 Air Capture and Blue Carbon Removal Technology
10 Program” (in this section referred to as the “Pro-
11 gram”).

12 (b) RESEARCH AND DEVELOPMENT PHASE.—

13 (1) IN GENERAL.—During the research and de-
14 velopment phase of the Program, the Secretary of
15 Defense may conduct research and development in
16 pursuit of the goals set forth in subsection (a)(2).

17 (2) DIRECT AIR CAPTURE.—The research and
18 development phase of the Program may include, with
19 respect to direct air capture, a front end engineering
20 and design study that includes an evaluation of di-
21 rect air capture designs to produce fuel for use—

22 (A) at military installations or facilities of
23 the Department of Defense; or

24 (B) in modes of transportation by the
25 Navy or the Coast Guard.

1 (3) DURATION.—The Secretary may carry out
2 the research and development phase of the Program
3 commencing not later than 90 days after the date of
4 the enactment of this Act.

5 (4) GRANTS AUTHORIZED.—The Secretary may
6 carry out the research and development phase of the
7 Program through the award of grants to private per-
8 sons and eligible laboratories.

9 (5) REPORT REQUIRED.—Not later than 180
10 days after the date of the completion of the research
11 and development phase of the Program, the Sec-
12 retary shall submit to Congress a report on the re-
13 search and development carried out under the Pro-
14 gram.

15 (c) TESTING AND EVALUATION PHASE.—

16 (1) IN GENERAL.—During the testing and eval-
17 uation phase of the Program, the Secretary may, in
18 pursuit of the goals set forth in subsection (a)(2),
19 conduct tests and evaluations of the technologies re-
20 searched and developed during the research and de-
21 velopment phase of the Program.

22 (2) DIRECT AIR CAPTURE.—The testing and
23 evaluation phase of the Program may include dem-
24 onstration projects for direct air capture to produce
25 fuel for use—

1 (A) at military installations or facilities of
2 the Department of Defense; or

3 (B) in modes of transportation by the
4 Navy or the Coast Guard.

5 (3) DURATION.—Subject to subsection
6 (a)(3)(B), the Secretary may carry out the testing
7 and evaluation phase of the Program commencing
8 on the date of the completion of the research and
9 development phase described in subsection (b), ex-
10 cept that the testing and evaluation phase of the
11 Program with respect to direct air capture may com-
12 mence at such time after a front end engineering
13 and design study demonstrates to the Secretary that
14 commencement of such phase is appropriate.

15 (4) GRANTS AUTHORIZED.—The Secretary may
16 carry out the testing and evaluation phase of the
17 Program through the award of grants to private per-
18 sons and eligible laboratories.

19 (5) LOCATIONS.—The Secretary shall carry out
20 the testing and evaluation phase of the Program at
21 military installations or facilities of the Department
22 of Defense.

23 (6) REPORT REQUIRED.—Not later than Sep-
24 tember 30, 2026, the Secretary shall submit to Con-
25 gress a report on the findings of the Secretary with

1 respect to the effectiveness of the technologies tested
2 and evaluated under the Program.

3 (d) DEFINITIONS.—In this section:

4 (1) BLUE CARBON CAPTURE.—The term “blue
5 carbon capture” means the removal of dissolved car-
6 bon dioxide from seawater through engineered or in-
7 organic processes, including filters, membranes, or
8 phase change systems.

9 (2) DIRECT AIR CAPTURE.—

10 (A) IN GENERAL.—The term “direct air
11 capture”, with respect to a facility, technology,
12 or system, means that the facility, technology,
13 or system uses carbon capture equipment to
14 capture carbon dioxide directly from the air.

15 (B) EXCLUSION.—The term “direct air
16 capture” does not include any facility, tech-
17 nology, or system that captures carbon diox-
18 ide—

19 (i) that is deliberately released from a
20 naturally occurring subsurface spring; or

21 (ii) using natural photosynthesis.

22 (3) ELIGIBLE LABORATORY.—The term “eligi-
23 ble laboratory” means—

1 (A) a National Laboratory (as defined in
2 section 2 of the Energy Policy Act of 2005 (42
3 U.S.C. 15801)); or

4 (B) the science and technology reinvention
5 laboratories (as designated under section 1105
6 of the National Defense Authorization Act for
7 Fiscal Year 2010 (Public Law 111–84 ; 10
8 U.S.C. 2358 note));

9 (C) the Major Range and Test Facility
10 Base (as defined in section 2358a(f)(3) of title
11 10, United States Code); and

12 (D) other facilities that support the re-
13 search development, test, and evaluation activi-
14 ties of the Department of Defense or Depart-
15 ment of Energy.

16 **SEC. 218. FOREIGN MALIGN INFLUENCE OPERATIONS RE-**
17 **SEARCH PROGRAM.**

18 (a) PROGRAM REQUIRED.—The Secretary of De-
19 fense, acting through the Under Secretary of Defense for
20 Research and Engineering, shall carry out a research pro-
21 gram on foreign malign influence operations research as
22 part of the university and other basic research programs
23 of the Department of Defense (such as the Minerva Re-
24 search Initiative).

1 (b) PROGRAM OBJECTIVES.—The objectives of the
2 research program shall be the following:

3 (1) To enhance the understanding of foreign
4 malign influence operations, including activities con-
5 ducted on social media platforms.

6 (2) To facilitate the compilation, analysis, and
7 storage of publicly available or voluntarily provided
8 indicators of foreign malign influence operations, in-
9 cluding those appearing on social media platforms,
10 for the purposes of additional research.

11 (3) To promote the development of best prac-
12 tices relating to tactics, techniques, procedures, and
13 technology for the protection of the privacy of the
14 customers and users of the social media platforms
15 and the proprietary information of the social media
16 companies in conducting research and analysis or
17 compiling and storing indicators and key trends of
18 foreign malign influence operations on social media
19 platforms.

20 (4) To promote collaborative research and in-
21 formation exchange with other relevant entities with-
22 in the Department and with other agencies relating
23 to foreign malign influence operations.

1 (c) PROGRAM ACTIVITIES.—In order to achieve the
2 objectives specified in subsection (b), the Secretary is au-
3 thorized to carry out the following activities:

4 (1) The Secretary may award research grants
5 to eligible individuals and entities on a competitive
6 basis.

7 (2) The Secretary may award financial assist-
8 ance to graduate students on a competitive basis.

9 (d) REPORT.—Not later than March 1, 2020, the
10 Secretary of Defense shall submit to the congressional de-
11 fense committees a report on the progress of the Secretary
12 in carrying out the research program under this section,
13 including a description of the activities and research con-
14 ducted as part of the program.

15 **SEC. 219. SENSOR DATA INTEGRATION FOR FIFTH GENERA-**
16 **TION AIRCRAFT.**

17 (a) F-35 SENSOR DATA.—The Secretary of Defense
18 shall ensure that—

19 (1) information collected by the passive and ac-
20 tive on-board sensors of the F-35 Joint Strike
21 Fighter aircraft is capable of being shared, in real
22 time, with joint service users in cases in which the
23 Joint Force Commander determines that sharing
24 such information would be operationally advan-
25 tageous; and

1 (2) the Secretary has developed achievable, ef-
2 fective, and suitable concepts and supporting tech-
3 nical architectures to collect, store, manage, and dis-
4 seminate information collected by such sensors.

5 (b) GAO STUDY AND REPORT.—

6 (1) STUDY.—The Comptroller General of the
7 United States shall conduct a study of the sensor
8 data collection and dissemination capability of fifth
9 generation aircraft of the Department of Defense.

10 (2) ELEMENTS.—The study required by para-
11 graph (1) shall include an assessment of the fol-
12 lowing—

13 (A) the extent to which the Department
14 has established doctrinal, organizational, or
15 technological methods of managing the large
16 amount of sensor data that is currently col-
17 lected and which may be collected by existing
18 and planned advanced fifth generation aircraft;

19 (B) the status of the existing sensor data
20 collection, storage, dissemination, and manage-
21 ment capability and capacity of fifth generation
22 aircraft, including the F-35, the F-22, and the
23 B-21; and

24 (C) the ability of the F-35 aircraft and
25 other fifth generation aircraft to share informa-

1 tion collected by the aircraft in real-time with
2 other joint service users as described in sub-
3 section (a)(1).

4 (3) STUDY RESULTS.—

5 (A) INTERIM BRIEFING.—Not later than
6 180 days after the date of the enactment of this
7 Act, the Comptroller General shall provide to
8 the congressional defense committees a briefing
9 on the preliminary findings of the study con-
10 ducted under this subsection.

11 (B) FINAL RESULTS.—The Comptroller
12 General shall provide the final results of the
13 study conducted under this subsection to the
14 congressional defense committees at such time
15 and in such format as is mutually agreed upon
16 by the committees and the Comptroller General
17 at the time of the briefing under subparagraph
18 (A).

19 **SEC. 220. DOCUMENTATION RELATING TO ADVANCED BAT-**
20 **TLE MANAGEMENT SYSTEM.**

21 (a) DOCUMENTATION REQUIRED.—Not later than
22 the date specified in subsection (b), the Secretary of the
23 Air Force shall submit to the congressional defense com-
24 mittees the following documentation relating to the Ad-
25 vanced Battle Management System:

1 (1) A list that identifies each program, project,
2 and activity that comprises the System.

3 (2) The final analysis of alternatives for the
4 System.

5 (3) An acquisition strategy for the System, in-
6 cluding—

7 (A) an outline of each increment of the
8 System; and

9 (B) the date on which each increment will
10 reach initial operational capability and full
11 operational capability, respectively.

12 (4) A capability development document for the
13 System.

14 (5) An acquisition program baseline for the
15 System.

16 (6) A test and evaluation master plan for the
17 System.

18 (7) A life-cycle sustainment plan for the Sys-
19 tem.

20 (b) DATE SPECIFIED.—The date specified in this
21 subsection is the earlier of—

22 (1) the date that is 180 days after the date on
23 which the final analysis of alternatives for the Ad-
24 vanced Battle Management System is completed; or

25 (2) April 1, 2020.

1 (c) ADVANCED BATTLE MANAGEMENT SYSTEM DE-
2 FINED.—In this section, the term “Advanced Battle Man-
3 agement System” means the Advanced Battle Manage-
4 ment System of Systems capability of the Air Force, in-
5 cluding each program, project, and activity that comprises
6 such capability.

7 **SEC. 221. DOCUMENTATION RELATING TO B-52 COMMER-**
8 **CIAL ENGINE REPLACEMENT PROGRAM.**

9 (a) DOCUMENTATION REQUIRED.—The Secretary of
10 the Air Force shall submit to the congressional defense
11 committees the following documentation relating to the B-
12 52 commercial engine replacement program of the Air
13 Force:

14 (1) A capability development document for the
15 program, approved by the Secretary of the Air
16 Force.

17 (2) A test and evaluation master plan for the
18 program, approved by the Director of Operational
19 Test and Evaluation.

20 (b) LIMITATION.—Of the funds authorized to be ap-
21 propriated by this Act or otherwise made available for fis-
22 cal year 2020 for the Air Force, not more than 75 percent
23 may be obligated or expended until the date on which the
24 Secretary of the Air Force submits to the congressional

1 defense committees the documentation required under
2 subsection (a).

3 **SEC. 222. DIVERSIFICATION OF THE SCIENCE, TECH-**
4 **NOLOGY, RESEARCH, AND ENGINEERING**
5 **WORKFORCE OF THE DEPARTMENT OF DE-**
6 **FENSE.**

7 (a) ASSESSMENT REQUIRED.—

8 (1) IN GENERAL.—The Secretary of Defense,
9 acting through the Under Secretary of Defense for
10 Research and Engineering, shall conduct an assess-
11 ment of critical skillsets required across the science,
12 technology, research, and engineering workforce of
13 the Department of Defense to support emerging and
14 future warfighter technologies.

15 (2) ELEMENTS.—The assessment required by
16 paragraph (1) shall include analysis of the following:

17 (A) The percentage of women and minori-
18 ties employed in the workforce as of the date of
19 the assessment.

20 (B) The percentage of grants, fellowships,
21 and funding awarded to minorities and women.

22 (C) The effectiveness of existing hiring and
23 attraction incentives, other encouragements,
24 and required service agreement commitments in
25 attracting and retaining minorities and women

1 in the workforce of the Department after such
2 individuals complete work on Department-fund-
3 ed research projects, grant projects, fellowships,
4 and STEM programs.

5 (D) The geographical diversification of the
6 workforce and the operating costs of the work-
7 force across various geographic regions.

8 (b) PLAN REQUIRED.—

9 (1) IN GENERAL.—Based on the results of the
10 assessment conducted under subsection (a), the Sec-
11 retary of Defense, acting through the Under Sec-
12 retary of Defense for Research and Engineering,
13 shall develop and implement a plan to diversify and
14 strengthen the science, technology, research, and en-
15 gineering workforce of the Department of Defense.

16 (2) ELEMENTS.—The plan required by para-
17 graph (1) shall—

18 (A) align with science and technology
19 strategy priorities of the Department of De-
20 fense, including the emerging and future
21 warfighter technology requirements identified
22 by the Department;

23 (B) except as provided in subsection (c)(2),
24 set forth steps for the implementation of each
25 recommendation included in the 2013 report of

1 the RAND corporation titled “First Steps To-
2 ward Improving DoD STEM Workforce Diver-
3 sity”;

4 (C) harness the full range of the Depart-
5 ment’s STEM programs and other Department-
6 sponsored programs to develop and attract top
7 talent;

8 (D) use existing authorities to attract and
9 retain students, academics, and other talent;

10 (E) establish and use contracts, agree-
11 ments, or other arrangements with institutions
12 of higher education (as defined in section 101
13 of the Higher Education Act of 1965 (20
14 U.S.C. 1001)), including historically black col-
15 leges and universities and other minority-serv-
16 ing institutions (as described in section 371(a)
17 of such Act (20 U.S.C. 1067q(a)) to enable
18 easy and efficient access to research and re-
19 searchers for Government-sponsored basic and
20 applied research and studies at each institution,
21 including contracts, agreements, and other au-
22 thorized arrangements such as those authorized
23 under—

24 (i) section 217 of the National De-
25 fense Authorization Act for Fiscal Year

1 2018 (Public Law 115–91; 10 U.S.C. 2358
2 note); and

3 (ii) such other authorities as the Sec-
4 retary determines to be appropriate; and

5 (F) include recommendations for changes
6 in authorities, regulations, policies, or any other
7 relevant areas, that would support the achieve-
8 ment of the goals set forth in the plan.

9 (3) SUBMITTAL TO CONGRESS.—Not later than
10 one year after the date of the enactment of this Act,
11 the Secretary of Defense shall submit to the con-
12 gressional defense committees a report that in-
13 cludes—

14 (A) the plan developed under paragraph
15 (1); and

16 (B) with respect to each recommendation
17 described in paragraph (2)(B) that the Sec-
18 retary implemented or expects to implement—

19 (i) a summary of actions that have
20 been taken to implement the recommenda-
21 tion; and

22 (ii) a schedule, with specific mile-
23 stones, for completing the implementation
24 of the recommendation.

25 (c) DEADLINE FOR IMPLEMENTATION.—

1 (1) IN GENERAL.—Except as provided in para-
2 graph (2), not later than 18 months after the date
3 of the enactment of this Act the Secretary of De-
4 fense shall carry out activities to implement the plan
5 developed under subsection (b).

6 (2) EXCEPTION FOR IMPLEMENTATION OF CER-
7 TAIN RECOMMENDATIONS.—

8 (A) DELAYED IMPLEMENTATION.—The
9 Secretary of Defense may commence implemen-
10 tation of a recommendation described in sub-
11 section (b)(2)(B) after the date specified in
12 paragraph (1) if the Secretary provides the con-
13 gressional defense committees with a specific
14 justification for the delay in implementation of
15 such recommendation on or before such date.

16 (B) NONIMPLEMENTATION.—The Sec-
17 retary of Defense may opt not to implement a
18 recommendation described in subsection
19 (b)(2)(B) if the Secretary provides to the con-
20 gressional defense committees, on or before the
21 date specified in paragraph (1)—

22 (i) a specific justification for the deci-
23 sion not to implement the recommendation;
24 and

1 (ii) a summary of the alternative ac-
2 tions the Secretary plans to take to ad-
3 dress the issues underlying the rec-
4 ommendation.

5 (d) STEM DEFINED.—In this section, the term
6 “STEM” means science, technology, engineering, and
7 mathematics.

8 **SEC. 223. POLICY ON THE TALENT MANAGEMENT OF DIG-**
9 **ITAL EXPERTISE AND SOFTWARE PROFES-**
10 **SIONALS.**

11 (a) POLICY.—

12 (1) IN GENERAL.—It shall be a policy of the
13 Department of Defense to promote and maintain
14 digital expertise and software development as core
15 competencies of civilian and military workforces of
16 the Department, and as a capability to support the
17 National Defense Strategy, which policy shall be
18 achieved by—

19 (A) the recruitment, development, and
20 incentivization of retention in and to the civilian
21 and military workforce of the Department of in-
22 dividuals with aptitude, experience, proficient
23 expertise, or a combination thereof in digital ex-
24 pertise and software development;

1 (B) at the discretion of the Secretaries of
2 the military departments, the development and
3 maintenance of civilian and military career
4 tracks related to digital expertise, and related
5 digital competencies for members of the Armed
6 Forces, including the development and mainte-
7 nance of training, education, talent manage-
8 ment, incentives, and promotion policies in sup-
9 port of members at all levels of such career
10 tracks; and

11 (C) the development and application of ap-
12 propriate readiness standards and metrics to
13 measure and report on the overall capability,
14 capacity, utilization, and readiness of digital en-
15 gineering professionals to develop and deliver
16 operational capabilities and employ modern
17 business practices.

18 (2) DEFINITIONS.—For purposes of this sec-
19 tion, “digital engineering” is the discipline and set
20 of skills involved in the creation, processing, trans-
21 mission, integration, and storage of digital data, (in-
22 cluding but not limited to data science, machine
23 learning, software engineering, software product
24 management, and artificial intelligence product man-
25 agement).

1 (b) RESPONSIBILITY.—

2 (1) APPOINTMENT OF OFFICER.—Not later
3 than 270 days after the date of enactment of this
4 Act, the Secretary of Defense shall appoint a civilian
5 official responsible for the development and imple-
6 mentation of the policy set forth in subsection (a).
7 The official shall be known as the “Chief Digital En-
8 gineering Recruitment and Management Officer of
9 the Department of Defense” (in this section referred
10 to as the “Officer”).

11 (2) EXPIRATION OF APPOINTMENT.—The ap-
12 pointment of the Officer under paragraph (1) shall
13 expire on September 30, 2029.

14 (c) DUTIES.—In developing and providing for the dis-
15 charge of the policy set forth in subsection (a), the Officer
16 shall work with the Assistant Secretaries of the military
17 departments for Manpower and Reserve Affairs to carry
18 out the following:

19 (1) Develop for, and enhance within, the re-
20 cruitment programs of each Armed Force various
21 core initiatives, programs, activities, and mecha-
22 nisms, tailored to the unique needs of each Armed
23 Force, to identify and recruit civilian employees and
24 members of the Armed Forces with demonstrated
25 aptitude, interest, and proficiency in digital engi-

1 neering, and in science, technology, engineering, and
2 mathematics (STEM) generally, including initiatives,
3 programs, activities, and mechanisms to target pop-
4 ulations of individuals not typically aware of oppor-
5 tunities in the Department of Defense for a digital
6 engineering career.

7 (2) Identify and share with the military depart-
8 ments best practices around the development of
9 flexible career tracks and identifiers for digital engi-
10 neering and related digital competencies and mean-
11 ingful opportunities for career development, talent
12 management, and promotion within such career
13 tracks.

14 (3) Develop and maintain education, training,
15 doctrine, rotational opportunities, and professional
16 development activities to support the civilian and
17 military digital engineering workforce.

18 (4) Coordinate and synchronize digital force
19 management activities throughout the Department
20 of Defense, advise the Secretary of Defense on all
21 matters pertaining to the health and readiness of
22 digital forces, convene a Department-wide executive
23 steering group, and submit to Congress an annual
24 report on the readiness of digital forces and progress

1 toward achieving the policy set forth in subsection
2 (a).

3 (5) Create a Department-wide mechanism to
4 track digital expertise in the workforce, develop and
5 maintain organizational policies, strategies, and
6 plans sufficient to build, maintain, and refresh inter-
7 nal capacity at scale, and report to the Secretary
8 quarterly on the health and readiness the digital en-
9 gineering workforce.

10 (6) Assist the military departments in design-
11 ing, developing, and executing programs and incen-
12 tives to retain, track, and oversee digital expertise
13 among civilian employees of the Department and
14 members of the Armed Forces on active duty.

15 (7) At the request of the Chief of Staff of an
16 Armed Force, or the head of another component or
17 element of the Department, undertake an executive
18 search for key leadership positions in digital engi-
19 neering in such Armed Force, component, or ele-
20 ment, and develop and deploy agile hiring processes
21 to fill such positions.

22 (8) Identify necessary changes in authorities,
23 policies, resources, or a combination thereof to fur-
24 ther the policy set forth in subsection (a), and sub-
25 mit to Congress a report on such changes.

1 (d) IMPLEMENTATION PLAN.—Not later than May 1,
2 2020, the Secretary of Defense shall submit to the Com-
3 mittees on Armed Services of the House of Representa-
4 tives and the Senate a plan to carry out the requirements
5 of this section. The plan shall include the following:

6 (1) An assessment of progress of the Secretary
7 in recruiting an individual to serve as the Officer re-
8 quired to be appointed under subsection (b).

9 (2) A timeline for implementation of the re-
10 quirements of this section, including input from each
11 military department on its unique timeline.

12 (3) Recommendations for any legislative or ad-
13 ministrative action required to meet the require-
14 ments of this section.

15 **SEC. 224. DEVELOPMENT AND IMPLEMENTATION OF DIG-**
16 **ITAL ENGINEERING CAPABILITY AND AUTO-**
17 **MATED SOFTWARE TESTING AND EVALUA-**
18 **TION.**

19 (a) CAPABILITY REQUIRED.—

20 (1) IN GENERAL.—The Under Secretary of De-
21 fense for Research and Engineering and the Direc-
22 tor of Operational Test and Evaluation shall jointly
23 design, develop, and implement a digital engineering
24 capability and infrastructure—

1 (A) to provide technically accurate digital
2 models to the acquisition process; and

3 (B) to serve as the foundation for auto-
4 mated approaches to software testing and eval-
5 uation.

6 (2) ELEMENTS.—The capability developed
7 under subsection (a) shall consist of digital plat-
8 forms that may be accessed by individuals through-
9 out the Department who have responsibilities relat-
10 ing to the development, testing, evaluation, and op-
11 eration of software. The platforms shall enable such
12 individuals to—

13 (A) use systems-level digital representa-
14 tions and simulation environments;

15 (B) perform automated software testing
16 based on criteria developed, in part, in consulta-
17 tion with the Under Secretary's developmental
18 test organization and the Director to satisfy
19 program operational test requirements; and

20 (C) perform testing on a repeatable, fre-
21 quent, and iterative basis.

22 (b) PILOT PROGRAMS.—

23 (1) IN GENERAL.—The Under Secretary and
24 Director shall carry out pilot programs to dem-

1 onstrate whether it is possible for automated testing
2 to satisfy—

3 (A) developmental test requirements for
4 the software-intensive programs of the Depart-
5 ment of Defense; and

6 (B) the Director's operational test require-
7 ments for such programs.

8 (2) NUMBER OF PILOT PROGRAMS.—The Under
9 Secretary and Director shall carry out not fewer
10 than four and not more than ten pilot programs
11 under this section.

12 (3) REQUIREMENTS.—For each pilot program
13 carried out under paragraph (1), the Under Sec-
14 retary and Director shall—

15 (A) conduct a cost-benefit analysis that
16 compares the costs and benefits of the digital
17 engineering and automated testing approach of
18 the pilot program to the nondigital engineering
19 based approach typically used by the Depart-
20 ment of Defense;

21 (B) ensure that the intellectual property
22 strategy for the pilot program supports the
23 data required to operate the models used under
24 the program; and

1 (C) develop a workforce and infrastructure
2 plan to support any new policies and guidance
3 implemented during the pilot program or after
4 the completion of the program.

5 (4) CONSIDERATIONS.—In carrying out para-
6 graph (1), the Under Secretary and Director may
7 consider using the authorities provided under sec-
8 tions 873 and 874 of the National Defense Author-
9 ization Act for Fiscal Year 2018 (Public Law 115–
10 91).

11 (5) REPORT.—Not later than 90 days after the
12 date of the enactment of this Act, the Under Sec-
13 retary and Director shall submit to the congressional
14 defense committees a report that includes a descrip-
15 tion of—

16 (A) each pilot program that will be carried
17 out under paragraph (1);

18 (B) software programs that may be used
19 as part of each pilot program;

20 (C) selection criteria and intellectual prop-
21 erty and licensing issues relating to such soft-
22 ware programs;

23 (D) any recommendations for changes to
24 existing law to facilitate the implementation of
25 the pilot programs; and

1 (E) such other matters as the Under Sec-
2 retary and Director determine to be relevant.

3 (6) TERMINATION.—Each pilot program carried
4 out under paragraph (1) shall terminate not later
5 than December 31, 2025.

6 (c) POLICIES AND GUIDANCE REQUIRED.—

7 (1) IN GENERAL.—The Under Secretary and
8 the Director shall issue policies and guidance to im-
9 plement—

10 (A) the digital engineering capability and
11 infrastructure developed under subsection (a);
12 and

13 (B) the pilot programs carried out under
14 subsection (b).

15 (2) ELEMENTS.—The policies and guidance
16 issued under paragraph (1) shall—

17 (A) specify procedures for developing and
18 maintaining digital engineering models and the
19 automated testing of software throughout the
20 program life cycle;

21 (B) include processes for automated test-
22 ing of developmental test requirements and
23 operational test requirements;

24 (C) include processes for automated secu-
25 rity testing, including—

1 (i) penetration testing; and

2 (ii) vulnerability scanning;

3 (D) include processes for security testing
4 performed by individuals, including red team
5 assessments with zero-trust assumptions;

6 (E) encourage the use of an automated
7 testing capability instead of acquisition-related
8 processes that require artifacts to be created for
9 acquisition oversight but are not used as part
10 of the engineering process;

11 (F) support the high-confidence distribu-
12 tion of software to the field on a time-bound,
13 repeatable, frequent, and iterative basis;

14 (G) provide technically accurate models, in-
15 cluding models of system design and perform-
16 ance, to the acquisition process; and

17 (H) ensure that models are continually up-
18 dated with the newest design, performance, and
19 testing data.

20 (d) CONSULTATION.—In carrying out subsections (a)
21 through (c), the Under Secretary and Director shall con-
22 sult with—

23 (1) the Under Secretary of Defense for Acquisi-
24 tion and Sustainment;

25 (2) the service acquisition executives;

1 (3) the service testing commands; and

2 (4) the Defense Digital Service.

3 (e) REPORT REQUIRED.—Not later one year after the
4 date of the enactment of this Act, the Under Secretary
5 and Director shall submit to the congressional defense
6 committees a report on the progress of the Under Sec-
7 retary and Director in carrying out subsections (a)
8 through (c). The report shall include—

9 (1) an independent assessment conducted by
10 the Defense Innovation Board of the progress made
11 as of the date of the report;

12 (2) an explanation of how the results of the
13 pilot programs carried out under subsection (b) will
14 inform subsequent policy and guidance, particularly
15 the policy and guidance of the Director of Oper-
16 ational Test and Evaluation; and

17 (3) any recommendations for changes to exist-
18 ing law to facilitate the implementation of sub-
19 sections (a) through (c).

20 (f) DEFINITIONS.—In this section:

21 (1) The term “Under Secretary and Director”
22 means the Under Secretary of Defense for Research
23 and Engineering and the Director of Operational
24 Test and Evaluation, acting jointly.

1 (2) The term “digital engineering” means an
2 integrated digital approach that uses authoritative
3 sources of system data and models as a continuum
4 across disciplines to support life-cycle activities from
5 concept through disposal.

6 (3) The term “zero-trust assumption” means a
7 security architecture philosophy designed to prevent
8 all threats, including insider threats and outsider
9 threats.

10 (4) The term “red team assessment” means
11 penetration tests and operations performed on a sys-
12 tem to emulate a capable adversary to expose secu-
13 rity vulnerabilities.

14 **SEC. 225. PROCESS TO ALIGN POLICY FORMULATION AND**
15 **EMERGING TECHNOLOGY DEVELOPMENT.**

16 (a) **ALIGNMENT OF POLICY AND TECHNOLOGICAL**
17 **DEVELOPMENT.**—Not later than 180 days after the date
18 of the enactment of this Act, the Secretary of Defense
19 shall establish a process to ensure that the policies of the
20 Department of Defense relating to emerging technology
21 are formulated and updated continuously as such tech-
22 nology is developed by the Department.

23 (b) **ELEMENTS.**—As part of the process established
24 under subsection (a), the Secretary shall—

1 (1) specify the role of each covered official in
2 ensuring that the formulation of policies relating to
3 emerging technology is carried out concurrently with
4 the development of such technology;

5 (2) establish mechanisms to ensure that the
6 Under Secretary of Defense for Policy has the infor-
7 mation and resources necessary to continuously for-
8 mulate and update policies relating to emerging
9 technology, including by directing the organizations
10 and entities of the Department of Defense respon-
11 sible for the development such technology—

12 (A) to share information with the Under
13 Secretary;

14 (B) to communicate plans for the fielding
15 and use of emerging technology to the Under
16 Secretary; and

17 (C) to coordinate activities relating to such
18 technology with the Under Secretary; and

19 (3) incorporate procedures for the legal review
20 of—

21 (A) weapons that incorporate emerging
22 technology; and

23 (B) treaties that may be affected by such
24 technology.

25 (c) REPORTS REQUIRED.—

1 (1) INTERIM REPORT.—Not later than 60 days
2 after the date of the enactment of this Act, the Sec-
3 retary of Defense shall submit to the congressional
4 defense committees a report on the progress of the
5 Secretary in carrying out subsection (a).

6 (2) FINAL REPORT.—Not later than 30 days
7 after date on which the Secretary of Defense estab-
8 lishes the process required under subsection (a), the
9 Secretary shall submit to the congressional defense
10 committees a report that describes such process.

11 (d) DEFINITIONS.—In this section:

12 (1) The term “covered official” means the
13 Chairman of the Joint Chiefs of Staff, the Under
14 Secretary of Defense for Research and Engineering,
15 the Under Secretary of Defense for Policy, the com-
16 manders of the combatant commands, and the Sec-
17 retaries of the military departments.

18 (2) The term “emerging technology” means
19 technology determined to be in an emerging phase of
20 development by the Secretary of Defense and in-
21 cludes quantum computing, technology for the anal-
22 ysis of large and diverse sets of data (commonly
23 known as “big data analytics”), artificial intel-
24 ligence, autonomous technology, robotics, directed
25 energy, hypersonics, and biotechnology.

1 **SEC. 226. LIMITATION ON TRANSITION OF STRATEGIC CA-**
2 **PABILITIES OFFICE OF THE DEPARTMENT OF**
3 **DEFENSE.**

4 (a) **LIMITATION.**—The Secretary of Defense may not
5 transition or transfer the functions of the Strategic Capa-
6 bilities Office of the Department of Defense to another
7 organization or element of the Department until—

8 (1) the plan required under subsection (b) has
9 been submitted to the congressional defense commit-
10 tees; and

11 (2) a period of 30 days has elapsed following
12 the date on which the Secretary notifies the congress-
13 sional defense committees of the intent of the Sec-
14 retary to transition or transfer the functions of the
15 Office.

16 (b) **PLAN REQUIRED.**—

17 (1) **IN GENERAL.**—The Secretary of Defense
18 shall submit to the congressional defense committees
19 a plan for the transition or transfer of the functions
20 of the Strategic Capabilities Office to another orga-
21 nization or element of the Department of Defense.

22 (2) **ELEMENTS.**—The plan required under
23 paragraph (1) shall include the following:

24 (A) A timeline for the potential transition
25 or transfer of the activities, functions, pro-

1 grams, plans, and resources of the Strategic
2 Capabilities Office.

3 (B) The status of funding and execution of
4 current Strategic Capabilities Office projects,
5 including a strategy for mitigating risk to cur-
6 rent projects during the transition or transfer.

7 (C) The impact of the transition or trans-
8 fer on the ability of the Department to rapidly
9 address Combatant Command requirements.

10 (D) The impact of the transition or trans-
11 fer on the cultural attributes and core com-
12 petencies of the Strategic Capabilities Office
13 and any organization or element of the Depart-
14 ment of Defense affected by the realignment of
15 the Office.

16 (E) An assessment of the impact of the
17 transition or transfer on the relationships of the
18 Strategic Capabilities Office with the military
19 departments, Combatant Commands, Depart-
20 ment of Defense laboratories, the intelligence
21 community, and other research and develop-
22 ment activities.

23 (F) Budget and programming realignment
24 and prioritization of Research, Development,
25 Testing, and Evaluation budget activity that

1 will be carried out as a result of the transition
2 or transfer.

3 (G) The status of the essential authorities
4 of the Director of the Strategic Capabilities Of-
5 fice, including acquisition authorities, personnel
6 management authorities, the authority to enter
7 into support agreements and strategic partner-
8 ships, and original classification authority.

9 (3) FORM OF PLAN.—The plan required under
10 paragraph (1) shall be submitted in unclassified
11 form, but may include a classified annex.

12 **Subtitle C—Reports and Other** 13 **Matters**

14 **SEC. 231. MASTER PLAN FOR IMPLEMENTATION OF AU-** 15 **THORITIES RELATING TO SCIENCE AND** 16 **TECHNOLOGY REINVENTION LABORATORIES.**

17 (a) PLAN REQUIRED.—The Secretary of Defense,
18 acting through the Under Secretary of Defense for Re-
19 search and Engineering, shall develop a master plan for
20 using current authorities and responsibilities to strengthen
21 and modernize the workforce and capabilities of the
22 science and technology reinvention laboratories of the De-
23 partment of Defense (referred to in this section as the
24 “laboratories”) to enhance the ability of the laboratories

1 to execute missions in the most efficient and effective
2 manner.

3 (b) ELEMENTS.—The master plan required under
4 subsection (a) shall include, with respect to the labora-
5 tories, the following:

6 (1) A summary of hiring and staffing defi-
7 ciencies at laboratories, by location, and the effect of
8 such deficiencies on the ability of the laboratories—

9 (A) to meet existing and future require-
10 ments of the Department of Defense; and

11 (B) to recruit and retain qualified per-
12 sonnel.

13 (2) A summary of existing and emerging mili-
14 tary research, development, test, and evaluation mis-
15 sion areas requiring the use of the laboratories.

16 (3) An explanation of the laboratory staffing
17 capabilities required for each mission area identified
18 under paragraph (2).

19 (4) Identification of specific projects, including
20 hiring efforts and management reforms, that will be
21 carried out—

22 (A) to address the deficiencies identified in
23 paragraph (1); and

24 (B) to support the existing and emerging
25 mission areas identified in paragraph (2).

1 (5) For each project identified under paragraph

2 (4)—

3 (A) a summary of the plan for the project;

4 (B) an explanation of the level of priority

5 that will be given to the project; and

6 (C) a schedule of required investments that

7 will be made as part of the project.

8 (6) A description of how the Department, in-

9 cluding each military department concerned, will

10 carry out the projects identified in paragraph (3)

11 using—

12 (A) current authorities and responsibilities;

13 and

14 (B) such other authorities as are deter-

15 mined to be relevant by the Secretary of De-

16 fense.

17 (7) Identification of any statutory barriers to

18 implementing the master plan and legislative pro-

19 posals to address such barriers.

20 (c) CONSULTATION.—In developing the master plan

21 required under subsection (a), the Secretary of Defense

22 and the Under Secretary of Defense for Research and En-

23 gineering shall consult with—

24 (1) the Secretary of each military department;

1 (2) the Service Acquisition Executives with re-
2 responsibilities relevant to the laboratories;

3 (3) the commander of each military command
4 with responsibilities relating to research and engi-
5 neering that is affected by the master plan; and

6 (4) any other officials determined to be relevant
7 by the Secretary of Defense and the Under Sec-
8 retary of Defense for Research and Engineering.

9 (d) INITIAL REPORT.—Not later than 180 days after
10 the date of the enactment of this Act, the Under Secretary
11 of Defense for Research and Engineering shall submit to
12 the congressional defense committees a report that identi-
13 fies any barriers that prevent the full use and implementa-
14 tion of current authorities and responsibilities and such
15 other authorities as are determined to be relevant by the
16 Secretary of Defense, including any barriers presented by
17 the policies, authorities, and activities of—

18 (1) organizations and elements of the Depart-
19 ment of Defense; and

20 (2) organizations outside the Department.

21 (e) FINAL REPORT.—Not later than October 30,
22 2020, the Under Secretary of Defense for Research and
23 Engineering shall submit to the congressional defense
24 committees—

1 (1) the master plan developed under subsection
2 (a); and

3 (2) a report on the activities carried out under
4 this section.

5 **SEC. 232. MASTER PLAN FOR INFRASTRUCTURE REQUIRED**
6 **TO SUPPORT RESEARCH, DEVELOPMENT,**
7 **TEST, AND EVALUATION MISSIONS.**

8 (a) **PLAN REQUIRED.**—The Secretary of Defense, in
9 consultation with the Secretaries of the military depart-
10 ments, shall develop and implement a master plan that
11 addresses the research, development, test, and evaluation
12 infrastructure and modernization requirements of the De-
13 partment of Defense, including the science and technology
14 reinvention laboratories and the facilities of the Major
15 Range and Test Facility Base.

16 (b) **ELEMENTS.**—The master plan required under
17 subsection (a) shall include, with respect to the research,
18 development, test, and evaluation infrastructure of the De-
19 partment of Defense, the following:

20 (1) A summary of deficiencies in the infrastruc-
21 ture, by location, and the effect of the deficiencies
22 on the ability of the Department—

23 (A) to meet current and future military re-
24 quirements identified in the National Defense
25 Strategy;

1 (B) to support science and technology de-
2 velopment and acquisition programs; and

3 (C) to recruit and train qualified per-
4 sonnel.

5 (2) A summary of existing and emerging mili-
6 tary research, development, test, and evaluation mis-
7 sion areas, by location, that require modernization
8 investments in the infrastructure—

9 (A) to improve operations in a manner
10 that may benefit all users;

11 (B) to enhance the overall capabilities of
12 the research, development, test, and evaluation
13 infrastructure, including facilities and re-
14 sources;

15 (C) to improve safety for personnel and fa-
16 cilities; and

17 (D) to reduce the long-term cost of oper-
18 ation and maintenance.

19 (3) Identification of specific infrastructure
20 projects that are required to address the infrastruc-
21 ture deficiencies identified under paragraph (1) or to
22 support the existing and emerging mission areas
23 identified under paragraph (2).

24 (4) For each project identified under paragraph
25 (3)—

- 1 (A) a description of the scope of work;
- 2 (B) a cost estimate;
- 3 (C) a summary of the plan for the project;
- 4 (D) an explanation of the level of priority
- 5 that will be given to the project; and
- 6 (E) a schedule of required infrastructure
- 7 investments.
- 8 (5) A description of how the Department, in-
- 9 cluding each military department concerned, will
- 10 carry out the infrastructure projects identified in
- 11 paragraph (3) using the range of authorities and
- 12 methods available to the Department, including—
- 13 (A) military construction authority under
- 14 section 2802 of title 10, United States Code;
- 15 (B) unspecified minor military construction
- 16 authority under section 2805(a) of such title;
- 17 (C) laboratory revitalization authority
- 18 under section 2805(d) of such title;
- 19 (D) the authority to carry out facility re-
- 20 pair projects, including the conversion of exist-
- 21 ing facilities, under section 2811 of such title;
- 22 (E) the authority provided under the De-
- 23 fense Laboratory Modernization Pilot Program
- 24 under section 2803 of the National Defense Au-

1 thorization Act for Fiscal Year 2016 (Public
2 Law 114–92; 10 U.S.C. 2358 note);

3 (F) methods that leverage funding from
4 entities outside the Department, including pub-
5 lic-private partnerships, enhanced use leases,
6 real property exchanges; and

7 (G) any other authorities and methods de-
8 termined to be appropriate by the Secretary of
9 Defense.

10 (6) Identification of any statutory, regulatory,
11 or policy barriers to implementing the master plan
12 and regulatory, policy, or legislative proposals to ad-
13 dress such barriers.

14 (c) CONSULTATION AND USE OF CONTRACT AU-
15 THORITY.—In implementing the plan required under sub-
16 section (a), the Secretary of Defense shall—

17 (1) consult with existing and anticipated users
18 of the Major Range and Test Facility Base; and

19 (2) consider using the contract authority pro-
20 vided to the Secretary under section 2681 of title
21 10, United States Code.

22 (d) SUBMISSION TO CONGRESS.—Not later than Oc-
23 tober 30, 2020, the Secretary of Defense shall submit to
24 the congressional defense committees the master plan de-
25 veloped under subsection (a).

1 (e) RESEARCH AND DEVELOPMENT INFRASTRUC-
2 TURE DEFINED.—In this section, the term “research, de-
3 velopment, test, and evaluation infrastructure” means the
4 infrastructure of—

5 (1) the science and technology reinvention lab-
6 oratories (as designated under section 1105 of the
7 National Defense Authorization Act for Fiscal Year
8 2010 (Public Law 111–84 ; 10 U.S.C. 2358 note));

9 (2) the Major Range and Test Facility Base (as
10 defined in section 2358a(f)(3) of title 10, United
11 States Code); and

12 (3) other facilities that support the research de-
13 velopment, test, and evaluation activities of the De-
14 partment.

15 **SEC. 233. STRATEGY AND IMPLEMENTATION PLAN FOR**
16 **FIFTH GENERATION INFORMATION AND COM-**
17 **MUNICATIONS TECHNOLOGIES.**

18 (a) IN GENERAL.—Not later than 270 days after the
19 date of the enactment of this Act, the Secretary of Defense
20 shall develop—

21 (1) a strategy for harnessing fifth generation
22 (commonly known as “5G”) information and com-
23 munications technologies to enhance military capa-
24 bilities, maintain a technological advantage on the
25 battlefield, and accelerate the deployment of new

1 commercial products and services enabled by 5G net-
2 works throughout the Department of Defense; and

3 (2) a plan for implementing the strategy devel-
4 oped under paragraph (1).

5 (b) ELEMENTS.—The strategy required under sub-
6 section (a) shall include the following elements:

7 (1) Adoption and use of secure fourth genera-
8 tion (commonly known as “4G”) communications
9 technologies and the transition to advanced and se-
10 cure 5G communications technologies for military
11 applications.

12 (2) Science, technology, research, and develop-
13 ment efforts to facilitate the advancement and adop-
14 tion of 5G technology and new uses of 5G systems,
15 subsystems, and components, including—

16 (A) 5G testbeds for developing military ap-
17 plications; and

18 (B) spectrum-sharing technologies and
19 frameworks.

20 (3) Strengthening engagement and outreach
21 with industry, academia, international partners, and
22 other departments and agencies of the Federal Gov-
23 ernment on issues relating to 5G technology.

24 (4) Defense industrial base supply chain risk,
25 management, and opportunities.

1 (5) Preserving the ability of the Joint Force to
2 achieve objectives in a contested and congested spec-
3 trum environment.

4 (6) Strengthening the ability of the Joint Force
5 to conduct full spectrum operations that enhance the
6 military advantages of the United States.

7 (7) Securing the information technology and
8 weapon systems of the Department against malicious
9 activity.

10 (8) Such other matters as the Secretary of De-
11 fense determines to be relevant.

12 (c) CONSULTATION.—In developing the strategy and
13 implementation plan required under subsection (a), the
14 Secretary of Defense shall consult with the following:

15 (1) The Chief Information Officer of the De-
16 partment of Defense.

17 (2) The Under Secretary of Defense for Re-
18 search and Engineering.

19 (3) The Under Secretary of Defense for Acqui-
20 sition and Sustainment.

21 (4) The Under Secretary of Defense for Intel-
22 ligence.

23 (5) Service Acquisition Executives of each mili-
24 tary service.

1 (d) BRIEFING.—Not later than 180 days after the
2 date of the enactment of this Act, the Secretary of Defense
3 shall provide to the congressional defense committees a
4 briefing on the progress of the Secretary in developing the
5 strategy and implementation plan required under sub-
6 section (a).

7 **SEC. 234. DEPARTMENT-WIDE SOFTWARE SCIENCE AND**
8 **TECHNOLOGY STRATEGY.**

9 (a) DESIGNATION OF SENIOR OFFICIAL.—Not later
10 than 180 days after the date of the enactment of this Act,
11 the Secretary of Defense, acting through the Under Sec-
12 retary of Defense for Research and Engineering and in
13 consultation with the Under Secretary of Defense for Ac-
14 quisition and Sustainment, shall designate a single official
15 or existing entity within the Department of Defense as
16 the official or entity (as the case may be) with principal
17 responsibility for guiding the direction of research and de-
18 velopment of next generation software and software inten-
19 sive systems for the Department, including the research
20 and development of—

- 21 (1) new technologies for the creation of highly
22 secure, reliable, and mission-critical software; and
23 (2) new approaches to software development,
24 data-based analytics, and next generation manage-
25 ment tools.

1 (b) DEVELOPMENT OF STRATEGY.—The official or
2 entity designated under subsection (a) shall develop a De-
3 partment-wide strategy for the research and development
4 of next generation software and software intensive systems
5 for the Department of Defense, including strategies for—

6 (1) types of software innovation efforts within
7 the science and technology portfolio of the Depart-
8 ment;

9 (2) investment in new approaches to software
10 development, data-based analytics, and next genera-
11 tion management tools;

12 (3) ongoing research and other support of aca-
13 demic, commercial, and development community ef-
14 forts to innovate the software development, engineer-
15 ing, and testing process;

16 (4) to the extent practicable, implementing the
17 recommendations set forth in—

18 (A) the final report of the Defense Innova-
19 tion Board submitted to the congressional de-
20 fense committees under section 872 of the Na-
21 tional Defense Authorization Act for Fiscal
22 Year 2018 (Public Law 115–91; 131 Stat.
23 1497); and

24 (B) the final report of the Defense Science
25 Board Task Force on the Design and Acquisi-

1 tion of Software for Defense Systems described
2 in section 868 of the John S. McCain National
3 Defense Authorization Act for Fiscal Year 2019
4 (Public Law 115–232; 10 U.S.C. 2223 note);

5 (5) supporting the acquisition, technology devel-
6 opment, and test and operational needs of the De-
7 partment through the development of capabilities,
8 including personnel and infrastructure, and pro-
9 grams in—

10 (A) the science and technology reinvention
11 laboratories (as designated under section 1105
12 of the National Defense Authorization Act for
13 Fiscal Year 2010 (Public Law 111–84; 10
14 U.S.C. 2358 note));

15 (B) the facilities of the Major Range and
16 Test Facility Base (as defined in section
17 2358a(f)(3) of title 10, United States Code);
18 and

19 (C) the Defense Advanced Research
20 Projects Agency; and

21 (6) the transition of relevant capabilities and
22 technologies to information technology programs of
23 the Department, including software intensive tactical
24 systems, enterprise systems, and business systems.

1 (c) SUBMITTAL TO CONGRESS.—Not later than one
2 year after the date of the enactment of this Act, the offi-
3 cial or entity designated under subsection (a) shall submit
4 to the congressional defense committees the strategy de-
5 veloped under subsection (b).

6 **SEC. 235. ARTIFICIAL INTELLIGENCE EDUCATION STRAT-**
7 **EGY.**

8 (a) STRATEGY REQUIRED.—

9 (1) IN GENERAL.—The Secretary of Defense
10 shall develop a strategy for educating service mem-
11 bers in relevant occupational fields on matters relat-
12 ing to artificial intelligence.

13 (2) ELEMENTS.—The strategy developed under
14 subsection (a) shall include a curriculum designed to
15 give service members a basic knowledge of artificial
16 intelligence. The curriculum shall include instruction
17 in—

18 (A) artificial intelligence design;

19 (B) software coding;

20 (C) potential military applications for arti-
21 ficial intelligence;

22 (D) the impact of artificial intelligence on
23 military strategy and doctrine;

24 (E) artificial intelligence decisionmaking
25 via machine learning and neural networks;

1 (F) ethical issues relating to artificial in-
2 telligence;

3 (G) the potential biases of artificial intel-
4 ligence;

5 (H) potential weakness in artificial intel-
6 ligence technology; and

7 (I) any other matters the Secretary of De-
8 fense determines to be relevant.

9 (b) IMPLEMENTATION PLAN.—

10 (1) IN GENERAL.—The Secretary of Defense
11 shall develop a plan for implementing the strategy
12 developed under subsection (a).

13 (2) ELEMENTS.—The implementation plan re-
14 quired under paragraph (1) shall identify the fol-
15 lowing:

16 (A) The military occupational specialties
17 (applicable to enlisted members and officers)
18 that are most likely to involve interaction with
19 artificial intelligence technology.

20 (B) The specific occupational specialties
21 that will receive training in accordance with the
22 curriculum described in subsection (a)(2).

23 (C) The duration of the training.

24 (D) The context in which the training will
25 be provided, which may include basic training,

1 occupationally specific training, and profes-
2 sional military education.

3 (E) Metrics for evaluating the effectiveness
4 of the training and curriculum.

5 (F) Any other issues the Secretary of De-
6 fense determines to be relevant.

7 (c) SUBMITTAL TO CONGRESS.—Not later than 270
8 days after the date of the enactment of this Act, the Sec-
9 retary of Defense shall submit to the congressional defense
10 committees—

11 (1) the strategy developed under subsection (a);

12 and

13 (2) the implementation plan developed under
14 subsection (b).

15 **SEC. 236. BIENNIAL REPORT ON THE JOINT ARTIFICIAL IN-**
16 **TELLIGENCE CENTER.**

17 (a) REPORT.—Not later than 90 days after the date
18 of the enactment of this Act and biannually thereafter
19 through the end of 2023, the Secretary of Defense shall
20 submit to the congressional defense committees a report
21 on the Joint Artificial Intelligence Center (referred to in
22 this section as the “Center”).

23 (b) ELEMENTS.—Each report under subsection (a)
24 shall include the following:

1 (1) Information relating to the mission and ob-
2 jectives of the Center.

3 (2) A description of the National Mission Initia-
4 tives, Component Mission Initiatives, and any other
5 initiatives of the Center, including a description of—

6 (A) the activities carried out under the ini-
7 tiatives;

8 (B) any investments made or contracts en-
9 tered into under the initiatives; and

10 (C) the progress of the initiatives.

11 (3) A description of how the Center has sought
12 to leverage lessons learned, share best practices,
13 avoid duplication of efforts, and transition artificial
14 intelligence research efforts into operational capabili-
15 ties by—

16 (A) collaborating with other organizations
17 and elements of the Department of Defense, in-
18 cluding the Defense Agencies and the military
19 departments; and

20 (B) deconflicting the activities of the Cen-
21 ter with the activities of other organizations
22 and elements of the Department.

23 (4) A description any collaboration between—

24 (A) the Center and the private sector and
25 academia; and

1 (B) the Center and international allies and
2 partners.

3 (5) The total number of military, contractor,
4 and civilian personnel who are employed by the Cen-
5 ter, assigned to the Center, and performing func-
6 tions in support of the Center.

7 (6) A description of the organizational structure
8 and staffing of the Center.

9 (7) A detailed description of the frameworks,
10 metrics, and capabilities established to measure the
11 effectiveness of the Center and the Center's invest-
12 ments in the National Mission Initiatives and Com-
13 ponent Mission Initiatives.

14 (8) A description of any new policies, stand-
15 ards, or guidance relating to artificial intelligence
16 that have been issued by the Chief Information Offi-
17 cer of the Department.

18 (c) JOINT ARTIFICIAL INTELLIGENCE CENTER DE-
19 FINED.—In this section, the term “Joint Artificial Intel-
20 ligence Center” means the Joint Artificial Intelligence
21 Center of the Department of Defense established pursuant
22 to section 238 of the John S. McCain National Defense
23 Authorization Act for Fiscal Year 2019 (Public Law 115–
24 232).

1 **SEC. 237. QUARTERLY UPDATES ON THE OPTIONALLY**
2 **MANNED FIGHTING VEHICLE PROGRAM.**

3 (a) IN GENERAL.—Beginning not later than October
4 1, 2019, and on a quarterly basis thereafter through Octo-
5 ber 1, 2025, the Assistant Secretary of the Army for Ac-
6 quisition, Logistics, and Technology, in consultation with
7 the Commander of the Army Futures Command, shall
8 provide to the Committee on Armed Services of the House
9 of Representatives a briefing on the progress of the Op-
10 tionally Manned Fighting Vehicle program of the Army.

11 (b) ELEMENTS.—Each briefing under subsection (a)
12 shall include, with respect to the Optionally Manned
13 Fighting Vehicle program, the following elements:

14 (1) An overview of funding for the program, in-
15 cluding identification of—

16 (A) any obligations and expenditures that
17 have been made under the program; and

18 (B) any obligations and expenditures that
19 are planned for the program.

20 (2) An overview of the program schedule.

21 (3) A description of each contract awarded
22 under the program, including a description of the
23 type of contract and the status of the contract.

24 (4) An assessment of the status of the program
25 with respect to—

- 1 (A) the development and approval of tech-
2 nical requirements;
- 3 (B) technological maturity;
- 4 (C) testing;
- 5 (D) delivery; and
- 6 (E) program management.

7 **SEC. 238. GRANTS FOR CIVICS EDUCATION PROGRAMS.**

8 (a) IN GENERAL.—The Secretary of Defense shall
9 carry out a program under which the Secretary makes
10 grants to eligible entities, on a competitive basis, to sup-
11 port the development and evaluation of civics education
12 programs.

13 (b) APPLICATION.—To be eligible to receive a grant
14 under this section an eligible entity shall submit to the
15 Secretary of Defense an application at such time, in such
16 manner, and containing such information as the Secretary
17 may require. Applications submitted under this subsection
18 shall be evaluated on the basis of merit pursuant to com-
19 petitive procedures prescribed by the Secretary of Defense.

20 (c) SELECTION CRITERIA.—To be selected to receive
21 a grant under this section an eligible entity shall dem-
22 onstrate each of the following to the satisfaction of the
23 Secretary:

1 (1) The civics education program proposed by
2 the entity will include innovative approaches for im-
3 proving civics education.

4 (2) The entity will dedicate sufficient resources
5 to the program.

6 (3) As part of the program, the entity will con-
7 duct evaluations in accordance with subsection
8 (f)(1)(B).

9 (4) The entity will carry out activities to dis-
10 seminate the results of the evaluations described in
11 such subsection, including publication of the results
12 in peer-reviewed academic journals.

13 (d) GEOGRAPHIC DISTRIBUTION.—To the extent
14 practicable, the Secretary of Defense shall ensure an equi-
15 table geographic distribution of grants under this section.

16 (e) CONSULTATION.—In awarding grants under this
17 section, the Secretary of Defense shall consult with the
18 Secretary of Education.

19 (f) USES OF FUNDS.—

20 (1) REQUIRED USES OF FUNDS.—An eligible
21 entity that receives a grant under this section shall
22 use such grant—

23 (A) to establish a civics education program
24 or to improve an existing civics education pro-
25 gram; and

1 (B) to evaluate the effect of the program
2 on participants, including with respect to—

3 (i) critical thinking and media lit-
4 eracy;

5 (ii) voting and other forms of political
6 and civic engagement;

7 (iii) interest in employment, and ca-
8 reers, in public service;

9 (iv) understanding of United States
10 law, history, and Government; and

11 (v) the ability of participants to col-
12 laborate and compromise with others to
13 solve problems.

14 (2) ALLOWABLE USES OF FUNDS.—An eligible
15 entity that receives a grant under this section may
16 use such grant for—

17 (A) the development or modification of
18 curricula relating to civics education;

19 (B) classroom activities, thesis projects, in-
20 dividual or team projects, internships, or com-
21 munity service activities relating to civics;

22 (C) collaboration with government entities,
23 nonprofit organizations, or consortia of such en-
24 tities and organizations to provide participants
25 with civics-related experiences;

1 (D) civics-related faculty development pro-
2 grams;

3 (E) recruitment of educators who are high-
4 ly qualified in civics education to teach civics or
5 to assist with the development of curricula for
6 civics education;

7 (F) presentation of seminars, workshops,
8 and training for the development of skills asso-
9 ciated with civic engagement;

10 (G) activities that enable participants to
11 interact with government officials and entities;

12 (H) expansion of civics education programs
13 and outreach for members of the Armed
14 Forces, dependents and children of such mem-
15 bers and employees of the Department of De-
16 fense; and

17 (I) opportunities for participants to obtain
18 work experience in fields relating to civics.

19 (g) DEFINITIONS.—In this section:

20 (1) The term “civics education program” means
21 an educational program that provides participants
22 with—

23 (A) knowledge of law, government, and the
24 rights of citizens; and

1 (B) skills that enable participants to re-
2 sponsibly participate in democracy.

3 (2) The term “eligible entity” means a Depart-
4 ment of Defense domestic dependent elementary or
5 secondary school (as described in section 2164 of
6 title 10, United States Code).

7 **SEC. 239. TECHNOLOGY AND NATIONAL SECURITY FELLOW-**
8 **SHIP.**

9 (a) FELLOWSHIP PROGRAM.—

10 (1) IN GENERAL.—Not later than 180 days
11 after the date of the enactment of this Act, the Sec-
12 retary of Defense, acting through the Under Sec-
13 retary of Defense for Research and Engineering,
14 may establish a civilian fellowship program designed
15 to place eligible individuals within the Department of
16 Defense to increase the number of national security
17 professionals with science, technology, engineering,
18 and mathematics credentials employed by the De-
19 partment.

20 (2) DESIGNATION.—The fellowship program es-
21 tablished under paragraph (1) shall be known as the
22 “Technology and National Security Fellowship” (in
23 this section referred to as the “fellows program”).

1 (3) EMPLOYMENT.—Fellows will be assigned to
2 a one year tour of duty within the Department of
3 Defense.

4 (4) PAY AND BENEFITS.—An individual as-
5 signed to a position under the fellows program shall
6 be compensated at the rate of compensation for em-
7 ployees at level GS-10 of the General Schedule, and
8 shall be treated as an employee of the United States
9 during the term of assignment.

10 (b) ELIGIBLE INDIVIDUALS.—For purposes of this
11 section, and subject to subsection (f)(3), an eligible indi-
12 vidual is any individual who—

13 (1) is a citizen of the United States; and

14 (2) either—

15 (A) expects to be awarded an under-
16 graduate or graduate degree that, as deter-
17 mined by the Secretary, focuses on science,
18 technology, engineering, or mathematics course
19 work not later than 180 days after the date on
20 which the individual submits an application for
21 participation in the fellows program; or

22 (B) possesses an undergraduate or grad-
23 uate degree that, as determined by the Sec-
24 retary, focuses on science, technology, engineer-
25 ing, or mathematics course work that was

1 awarded not earlier than one year before the
2 date on which the individual submits an appli-
3 cation for participation in the fellows program.

4 (c) APPLICATION REQUIRED.—Each individual seek-
5 ing to participate in the fellows program shall submit to
6 the Secretary an application therefor at such time and in
7 such manner as the Secretary shall specify.

8 (d) COORDINATION.—

9 (1) IN GENERAL.—In carrying out this section,
10 the Secretary may consider coordinating or
11 partnering with the entities specified in paragraph
12 (2).

13 (2) ENTITIES SPECIFIED.—The entities speci-
14 fied in this paragraph are the following:

15 (A) The National Security Innovation Net-
16 work.

17 (B) Universities affiliated with Hacking for
18 Defense.

19 (f) MODIFICATIONS TO FELLOWS PROGRAM.—As the
20 Secretary considers necessary to modify the fellows pro-
21 gram, and in coordination with the entities specified in
22 subsection (d)(2), as the Secretary considers appropriate,
23 the Secretary may—

24 (1) determine the length of a fellowship term;

1 (2) establish the rate of compensation for an in-
2 dividual selected to participate in the fellows pro-
3 gram; and

4 (3) change the eligibility requirements for par-
5 ticipation in the fellows program, including who is
6 considered an eligible individual for purposes of the
7 fellows program.

8 (g) CONSULTATION.—The Secretary may consult
9 with the heads of the agencies, components, and other ele-
10 ments of the Department of Defense and such institutions
11 of higher education and private entities engaged in work
12 on national security and emerging technologies as the Sec-
13 retary considers appropriate for purposes of the fellows
14 program, including fellowship assignments.

15 **SEC. 240. NATIONAL SECURITY COMMISSION ON DEFENSE**
16 **RESEARCH AT HISTORICALLY BLACK COL-**
17 **LEGES AND UNIVERSITIES AND OTHER MI-**
18 **NORITY INSTITUTIONS.**

19 (a) ESTABLISHMENT.—

20 (1) IN GENERAL.—There is established in the
21 executive branch an independent Commission to re-
22 view the state of defense research at covered institu-
23 tions.

24 (2) TREATMENT.—The Commission shall be
25 considered an independent establishment of the Fed-

1 eral Government as defined by section 104 of title
2 5, United States Code, and a temporary organiza-
3 tion under section 3161 of such title.

4 (3) DESIGNATION.—The Commission estab-
5 lished under paragraph (1) shall be known as the
6 “National Security Commission on Defense Re-
7 search At Historically Black Colleges and Univer-
8 sities and Other Minority Institutions”.

9 (4) MEMBERSHIP.—

10 (A) COMPOSITION.—The Commission shall
11 be composed of 11 members appointed as fol-
12 lows:

13 (i) The Secretary of Defense shall ap-
14 point 2 members.

15 (ii) The Secretary of Education shall
16 appoint 1 member.

17 (iii) The Chairman of the Committee
18 on Armed Services of the Senate shall ap-
19 point 1 member.

20 (iv) The Ranking Member of the
21 Committee on Armed Services of the Sen-
22 ate shall appoint 1 member.

23 (v) The Chairman of the Committee
24 on Armed Services of the House of Rep-
25 resentatives shall appoint 1 member.

1 (vi) The Ranking Member of the
2 Committee on Armed Services of the
3 House of Representatives shall appoint 1
4 member.

5 (vi) The Chairman of the Committee
6 on Health, Education, Labor, and Pen-
7 sions of the Senate shall appoint 1 mem-
8 ber.

9 (viii) The Ranking Member of the
10 Committee on Health, Education, Labor,
11 and Pensions of the Senate shall appoint 1
12 member.

13 (ix) The Chairman of the Committee
14 on Education and Labor of the House of
15 Representatives shall appoint 1 member.

16 (x) The Ranking Member of the Com-
17 mittee on Education and Labor of the
18 House of Representatives shall appoint 1
19 member.

20 (B) DEADLINE FOR APPOINTMENT.—Mem-
21 bers shall be appointed to the Commission
22 under subparagraph (A) not later than 90 days
23 after the date on which the commission is es-
24 tablished.

1 (C) EFFECT OF LACK OF APPOINTMENT
2 BY APPOINTMENT DATE.—If one or more ap-
3 pointments under subparagraph (A) is not
4 made by the appointment date specified in sub-
5 paragraph (B), or if a position described in sub-
6 paragraph (A) is vacant for more than 90 days,
7 the authority to make such appointment shall
8 transfer to the Chair of the Commission.

9 (5) CHAIR AND VICE CHAIR.—The Commission
10 shall elect a Chair and Vice Chair from among its
11 members.

12 (6) TERMS.—Members shall be appointed for
13 the life of the Commission. A vacancy in the Com-
14 mission shall not affect its powers and shall be filled
15 in the same manner as the original appointment was
16 made.

17 (7) STATUS AS FEDERAL EMPLOYEES.—Not-
18 withstanding the requirements of section 2105 of
19 title 5, United States Code, including the required
20 supervision under subsection (a)(3) of such section,
21 the members of the Commission shall be deemed to
22 be Federal employees.

23 (b) DUTIES.—

24 (1) IN GENERAL.—The Commission shall carry
25 out the review described in paragraph (2). In car-

1 rying out such review, the Commission shall consider
2 the methods and means necessary to advance re-
3 search capacity at covered institutions to comprehen-
4 sively address the national security and defense
5 needs of the United States.

6 (2) SCOPE OF THE REVIEW.—In conducting the
7 review under paragraph (1), the Commission shall
8 consider the following:

9 (A) The competitiveness of covered institu-
10 tions in developing, pursuing, capturing, and
11 executing defense research with the Department
12 of Defense through contracts and grants.

13 (B) Means and methods for advancing the
14 capacity of covered institutions to conduct re-
15 search related to national security and defense.

16 (C) The advancements and investments
17 necessary to elevate covered institutions to R2
18 status on the Carnegie Classification of Institu-
19 tions of Higher Education, covered institutions
20 to R1 status on the Carnegie Classification of
21 Institutions of Higher Education, one covered
22 institution or a consortium of multiple covered
23 institutions to the capability of a University Af-
24 filiated Research Center, and identify the can-
25 didate institutions for each category.

1 (D) The facilities and infrastructure for
2 defense-related research at covered institutions
3 as compared to the facilities and infrastructure
4 at universities classified as R1 status on the
5 Carnegie Classification of Institutions of Higher
6 Education.

7 (E) Incentives to attract, recruit, and re-
8 tain leading research faculty to covered institu-
9 tions.

10 (F) The legal and organizational structure
11 of the contracting entity of covered institutions
12 as compared to the legal and organizational
13 structure of the contracting entity of covered
14 institutions at universities classified as R1 sta-
15 tus on the Carnegie Classification of Institu-
16 tions of Higher Education.

17 (G) The ability of covered institutions to
18 develop, protect, and commercialize intellectual
19 property created through defense-related re-
20 search.

21 (H) The amount of defense research fund-
22 ing awarded to all colleges and universities
23 through contracts and grants for the fiscal
24 years of 2010 through 2019, including—

1 (i) the legal mechanism under which
2 the organization was formed;

3 (ii) the total value of contracts and
4 grants awarded to the organization during
5 fiscal years 2010 to 2019;

6 (iii) the overhead rate of the organiza-
7 tion for fiscal year 2019;

8 (iv) the Carnegie Classification of In-
9 stitutions of Higher Education of the asso-
10 ciated university or college;

11 (v) if the associated university or col-
12 lege qualifies as a historically Black college
13 or university or a minority institution.

14 (I) Areas for improvement in the programs
15 executed under section 2362 of title 10, United
16 States Code, the existing authorization to en-
17 hance defense-related research and education at
18 covered institutions.

19 (J) Previous executive or legislative actions
20 by the Federal Government to address the im-
21 balance in federal research funding, such as the
22 Established Program to Stimulate Competitive
23 Research (commonly known as “EPSCoR”).

1 (K) Any other matters the Commission
2 deems relevant to the advancing the defense re-
3 search capacity of covered institutions.

4 (c) REPORTS.—

5 (1) INITIAL REPORT.—Not later than 180 days
6 after the date of the enactment of this Act, the
7 Commission shall submit to the President and Con-
8 gress an initial report on the findings of the Com-
9 mission and such recommendations that the Com-
10 mission may have for action by the executive branch
11 and Congress related to the covered institutions par-
12 ticipating in Department of Defense research and
13 actions necessary to expand their research capacity.

14 (2) FINAL REPORT.—Prior to the date on which
15 the commission terminates under subsection (d), the
16 Commission shall submit to the President and Con-
17 gress a comprehensive report on the results of the
18 review required under subsection (b).

19 (3) FORM OF REPORTS.—Reports submitted
20 under this subsection shall be made publically avail-
21 able.

22 (d) TERMINATION.—The Commission shall terminate
23 on December 31, 2021.

24 (e) COVERED INSTITUTION DEFINED.—In this sec-
25 tion, the term “covered institution” means—

1 (1) a part B institution (as that term is defined
2 in section 322(2) of the Higher Education Act of
3 1965 (20 U.S.C. 1061(2)); or

4 (2) any other institution of higher education (as
5 that term is defined in section 101 of such Act (20
6 U.S.C. 1001)) at which not less than 50 percent of
7 the total student enrollment consists of students
8 from ethnic groups that are underrepresented in the
9 fields of science and engineering.

10 **TITLE III—OPERATION AND**
11 **MAINTENANCE**

12 **Subtitle A—Authorization of**
13 **Appropriations**

14 **SEC. 301. AUTHORIZATION OF APPROPRIATIONS.**

15 Funds are here by authorized to be appropriated for
16 fiscal year 2020 for the use of the Armed Forces and other
17 activities and agencies of the Department of Defense for
18 expenses, not otherwise provided for, for operation and
19 maintenance, as specified in the funding table in section
20 4301.

1 **Subtitle B—Energy and**
2 **Environment**

3 **SEC. 311. TIMELINE FOR CLEARINGHOUSE REVIEW OF AP-**
4 **PLICATIONS FOR ENERGY PROJECTS THAT**
5 **MAY HAVE AN ADVERSE IMPACT ON MILI-**
6 **TARY OPERATIONS AND READINESS.**

7 Section 183a(c)(1) of title 10, United States Code,
8 is amended by striking “60 days” and inserting “90
9 days”.

10 **SEC. 312. AUTHORITY TO MAKE FINAL FINDING ON DES-**
11 **IGNATION OF GEOGRAPHIC AREAS OF CON-**
12 **CERN FOR PURPOSES OF ENERGY PROJECTS**
13 **WITH ADVERSE IMPACTS ON MILITARY OPER-**
14 **ATIONS AND READINESS.**

15 Section 183a(d)(2)(E) of title 10, United States
16 Code, is amended—

17 (1) by striking “or a Principal” and inserting
18 “a”; and

19 (2) by inserting “, an Assistant Secretary of
20 Defense, or a Deputy Assistant Secretary of De-
21 fense” after “Deputy Under Secretary of Defense”.

1 **SEC. 313. AUTHORITY TO ACCEPT CONTRIBUTIONS OF**
2 **FUNDS FROM APPLICANTS FOR ENERGY**
3 **PROJECTS FOR MITIGATION OF IMPACTS ON**
4 **MILITARY OPERATIONS AND READINESS.**

5 Section 183a(f) of title 10, United States Code, is
6 amended by striking “for a project filed with the Secretary
7 of Transportation pursuant to section 44718 of title 49”
8 and inserting “for an energy project”.

9 **SEC. 314. DEPARTMENT OF DEFENSE IMPROVEMENT OF**
10 **PREVIOUSLY CONVEYED UTILITY SYSTEMS**
11 **SERVING MILITARY INSTALLATIONS.**

12 Section 2688 of title 10, United States Code, is
13 amended—

14 (1) by redesignating subsection (k) as sub-
15 section (l); and

16 (2) by inserting after subsection (j) the fol-
17 lowing new subsection (k):

18 “(k) IMPROVEMENT OF CONVEYED UTILITY SYS-
19 TEMS.—In the case of a utility system that is conveyed
20 under this section and that only provides utility services
21 to a military installation, the Secretary concerned may use
22 amounts authorized to be appropriated for military con-
23 struction to improve the reliability, resilience, efficiency,
24 physical security, or cybersecurity of the utility system.”.

1 **SEC. 315. FIVE-YEAR AUTHORITY FOR NATIONAL GUARD**
2 **ENVIRONMENTAL RESTORATION PROJECTS**
3 **FOR ENVIRONMENTAL RESPONSES.**

4 (a) IN GENERAL.—Section 2707 of title 10, United
5 States Code, is amended by adding at the end the fol-
6 lowing new subsection:

7 “(e) TEMPORARY AUTHORITY FOR NATIONAL GUARD
8 PROJECTS.—Notwithstanding subsection (a) of this sec-
9 tion and section 2701(e)(1) of this title, during the five-
10 year period beginning on the date of the enactment of this
11 subsection, the Secretary concerned may carry out an en-
12 vironmental restoration project if the Secretary deter-
13 mines that the project is necessary to carry out a response
14 to perfluorooctanoic acid or perfluorooctane sulfonate con-
15 tamination under this chapter or CERCLA.”.

16 (b) SAVINGS CLAUSE.—Nothing in this section, or
17 the amendment made by this section, shall affect any re-
18 quirement or authority under the Comprehensive Environ-
19 mental Response, Compensation, and Liability Act of
20 1980 (42 U.S.C. 9601 et seq.).

21 **SEC. 316. SALE OF ELECTRICITY FROM ALTERNATE EN-**
22 **ERGY AND COGENERATION PRODUCTION FA-**
23 **CILITIES.**

24 Section 2916(b)(3) of title 10, United States Code,
25 is amended—

1 (1) in subparagraph (A), by striking “and” at
2 the end; and

3 (2) in subparagraph (B)—

4 (A) by striking “shall be available” and all
5 that follows and inserting “shall be provided di-
6 rectly to the commander of the military installa-
7 tion in which the geothermal energy resource is
8 located to be used for—”; and

9 (B) by adding at the end the following new
10 clauses:

11 “(i) military construction projects de-
12 scribed in paragraph (2) that benefit the mili-
13 tary installation where the geothermal energy
14 resource is located; or

15 “(ii) energy or water security projects
16 that—

17 “(I) benefit the military installation
18 where the geothermal energy resource is lo-
19 cated;

20 “(II) the commander of the military
21 installation determines are necessary; and

22 “(III) are directly coordinated with
23 local area energy or groundwater governing
24 authorities.”.

1 **SEC. 317. TRANSFER AUTHORITY FOR FUNDING OF STUDY**
2 **AND ASSESSMENT ON HEALTH IMPLICATIONS**
3 **OF PER- AND POLYFLUOROALKYL SUB-**
4 **STANCES CONTAMINATION IN DRINKING**
5 **WATER BY AGENCY FOR TOXIC SUBSTANCES**
6 **AND DISEASE REGISTRY.**

7 Section 316(a)(2)(B)(ii) of the National Defense Au-
8 thorization Act for Fiscal Year 2018 (Public Law 115-
9 91; 131 Stat. 1350), as amended by section 315(a) of the
10 John S. McCain National Defense Authorization Act for
11 Fiscal Year 2019 (Public Law 115-232), is amended by
12 striking “2019 and 2020” and inserting “2019, 2020, and
13 2021”.

14 **SEC. 318. REPLACEMENT OF FLUORINATED AQUEOUS**
15 **FILM-FORMING FOAM WITH FLUORINE-FREE**
16 **FIRE-FIGHTING AGENT.**

17 (a) USE OF FLUORINE-FREE FOAM AT MILITARY IN-
18 STALLATIONS.—Not later than January 31, 2025, the
19 Secretary of the Navy shall publish a military specification
20 for a fluorine-free fire-fighting agent for use at all military
21 installations to ensure such agent is available for use by
22 not later than 2027.

23 (b) PROHIBITION ON USE.—Fluorinated aqueous
24 film-forming foam may not be used at any military instal-
25 lation on or after September 30, 2029, or before such
26 date, if possible.

1 (c) WAIVER.—

2 (1) IN GENERAL.—Subject to paragraph (2),
3 the Secretary of Defense may grant a waiver to the
4 prohibition under subsection (b) with respect to the
5 use of fluorinated aqueous film-forming foam at a
6 specific military installation if the Secretary submits
7 to the congressional defense committees, by not later
8 than 30 days prior to issuing the waiver—

9 (A) notice of the waiver; and

10 (B) certification, in writing, that the waiv-
11 er is necessary for the protection of life and
12 safety.

13 (2) LIMITATION.—A waiver under this sub-
14 section shall apply for a period that does not exceed
15 three years. The Secretary may extend any such
16 waiver once for an additional period that does not
17 exceed three years.

18 **SEC. 319. PROHIBITION OF UNCONTROLLED RELEASE OF**
19 **FLUORINATED AQUEOUS FILM-FORMING**
20 **FOAM AT MILITARY INSTALLATIONS.**

21 (a) PROHIBITION.—Except as provided by subsection
22 (b), the Secretary of Defense shall prohibit the uncon-
23 trolled release of fluorinated aqueous film-forming foam
24 (hereinafter in this section referred to as “AFFF”) at
25 military installations.

1 (b) EXCEPTIONS.—Notwithstanding subsection (a),
2 fluorinated AFFF may be released at military installa-
3 tions as follows:

4 (1) AFFF may be released for purposes of an
5 emergency response.

6 (2) A non-emergency release of AFFF may be
7 made for the purposes of testing of equipment or
8 training of personnel, if complete containment, cap-
9 ture, and proper disposal mechanisms are in place to
10 ensure no AFFF is released into the environment.

11 **SEC. 320. PROHIBITION ON USE OF FLUORINATED AQUE-**
12 **OUS FILM FORMING FOAM FOR TRAINING EX-**
13 **ERCISES.**

14 The Secretary of Defense shall prohibit the use of
15 fluorinated aqueous film forming foam for training exer-
16 cises at military installations.

17 **SEC. 321. REAL-TIME NOISE-MONITORING STUDY AT NAVY**
18 **AND AIR FORCE INSTALLATIONS WHERE TAC-**
19 **TICAL FIGHTER AIRCRAFT OPERATE.**

20 (a) REAL-TIME MONITORING.—The Secretary of the
21 Navy and the Secretary of the Air Force shall each con-
22 duct a real-time noise-monitoring study at no fewer than
23 three Navy installations and three Air Force installations.
24 In conducting such study, the Secretaries shall—

1 (1) select installations where tactical fighter air-
2 craft operate and noise contours have been developed
3 through noise modeling to validate the noise con-
4 tours developed through analysis and modeling at
5 those installations; and

6 (2) ensure that such monitoring is conducted
7 during times of high, medium, and low activity.

8 (b) REPORT REQUIRED.—Not later than December
9 1, 2020, the Secretary of the Navy and the Secretary of
10 the Air Force shall jointly submit to the Committees on
11 Armed Services of the Senate and House of Representa-
12 tives a report on the real-time noise monitoring required
13 under subsection (a). Such report shall include—

14 (1) the results of such monitoring;

15 (2) a comparison of such monitoring and the
16 noise contours previously developed with the analysis
17 and modeling methods previously used;

18 (3) an overview of any changes to the analysis
19 and modeling process that have been made or are
20 being considered as a result of the findings of such
21 monitoring; and

22 (4) any other matters that the Secretaries de-
23 termine appropriate.

1 **SEC. 322. DEVELOPMENT OF CLIMATE VULNERABILITY**
2 **AND RISK ASSESSMENT TOOL.**

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 develop a climate vulnerability and risk assessment
6 tool to assist the military departments in measuring how
7 the risks associated with climate change impact networks,
8 systems, installations, facilities, and other assets, as well
9 as the operational plans and capabilities of the Depart-
10 ment of Defense.

11 (b) CONSULTATION.—In developing the tool under
12 subsection (a), the Secretary shall consult with the Admin-
13 istrator of the Environmental Protection Agency, the Sec-
14 retary of Energy, the Secretary of the Interior, the Admin-
15 istrator of the National Oceanic and Atmospheric Admin-
16 istration, the Administrator of the Federal Emergency
17 Management Agency, the Commander of the Army Corps
18 of Engineers, the Administrator of the National Aero-
19 nautics and Space Administration, a federally funded re-
20 search and development center, and the heads of such
21 other relevant Federal agencies as the Secretary of De-
22 fense determines appropriate.

23 (c) PREVAILING SCIENTIFIC CONSENSUS.—Before
24 completing development of the tool under subsection (a),
25 the Secretary shall obtain from a federally funded research
26 and development center with which the Secretary has con-

1 sulted under subsection (b) a certification in writing that
2 the tool contains a methodology that adequately incor-
3 porates the prevailing scientific consensus on climate
4 change.

5 (d) REPORT.—

6 (1) IN GENERAL.—Not later than 180 days
7 after the date of the enactment of this Act, the Sec-
8 retary shall submit to the congressional defense com-
9 mittees a report describing the tool developed under
10 subsection (a).

11 (2) CLASSIFIED ANNEX.—The report under
12 paragraph (1) shall be submitted in unclassified
13 form but may contain a classified annex if necessary.

14 (3) PUBLICATION.—Upon submittal of the re-
15 port under paragraph (1), the Secretary shall pub-
16 lish the unclassified portion of the report on an
17 internet website of the Department that is available
18 to the public.

19 (e) UPDATES TO TOOL.—

20 (1) IN GENERAL.—After submittal of the report
21 under subsection (d), the Secretary of Defense shall
22 update the climate vulnerability and risk assessment
23 tool developed under subsection (a) as the Secretary
24 considers necessary and appropriate, in consultation
25 with the individuals and entities described in sub-

1 section (b) and consistent with the prevailing sci-
2 entific consensus as required under subsection (c).

3 (2) REPORT AND PUBLICATION.—Upon com-
4 pleting an update to the tool under paragraph (1),
5 the Secretary shall—

6 (A) submit to the congressional defense
7 committees a report describing such update;
8 and

9 (B) publish the unclassified version of such
10 report on an internet website of the Depart-
11 ment that is available to the public.

12 **SEC. 323. PROVISION OF UNCONTAMINATED WATER FOR**
13 **AGRICULTURAL USE ON LAND CONTAMI-**
14 **NATED BY PFOS AND PFOA USED ON MILI-**
15 **TARY INSTALLATIONS.**

16 (a) FINDINGS.—Congress makes the following find-
17 ings:

18 (1) Perfluorooctanesulfonic acid (in this section
19 referred to as “PFOS”) and perfluorooctanoic acid
20 (in this section referred to as “PFOA”) are part of
21 a class of man-made chemicals that have been used
22 in a variety of industrial and consumer products to
23 make the products resist heat, stains, water, and
24 grease. Because PFOS and PFOA extinguish petro-
25 leum fires quickly, the Department of Defense and

1 commercial airports began using aqueous film form-
2 ing foam containing PFOS and PFOA in the 1970s.

3 (2) PFOS and PFOA can accumulate and stay
4 in the body for long periods of time. Exposure to
5 PFOS and PFOA may cause health problems, in-
6 cluding issues with the reproductive system, liver
7 and kidney damage, developmental issues in chil-
8 dren, and negatively impacted immune system, and
9 cancer.

10 (3) A common method of human exposure to
11 PFOS and PFOA is by consuming contaminated
12 drinking water.

13 (4) The Environmental Protection Agency
14 issued lifetime health advisories under the Safe
15 Drinking Water Act for individual or combined
16 PFOS and PFOA concentrations at 70 parts per
17 trillion in 2016, but has not yet issued any guidance
18 or regulation for groundwater or agricultural water.

19 (5) The Department of Defense has provided
20 mitigations in many communities where drinking
21 water has tested at or above the lifetime health advi-
22 sory level, including bottled water and drinking
23 water filtration systems. Due to the lack of regu-
24 latory guidance, these mitigations have not been
25 mirrored in agricultural water systems.

1 (6) As a result, farmers located adjacent to
2 military installations with PFOS and PFOA con-
3 tamination that has migrated off-installation are po-
4 tentially impacted, and in at least one case, such
5 contamination has had a serious impact on the liveli-
6 hood of a dairy farmer.

7 (b) AUTHORITY TO PROVIDE UNCONTAMINATED
8 WATER FOR AGRICULTURAL PURPOSES.—

9 (1) IN GENERAL.—If an area has been identi-
10 fied under paragraph (2), and a military installation
11 has been determined to be the source of that con-
12 tamination, the Secretary of Defense or the Sec-
13 retary concerned may provide, for the purpose of
14 producing agricultural products destined for human
15 consumption—

16 (A) water sources uncontaminated with
17 perfluoroalkyl and polyfluoroalkyl substances,
18 including PFOA and PFOS, or

19 (B) treatment of contaminated waters.

20 (2) IDENTIFICATION OF AREAS.—An area iden-
21 tified under this paragraph is an area for which the
22 level of PFOA or PFOS contamination—

23 (A) is above the lifetime health advisory
24 for contamination for such compounds as issued
25 by the Environmental Protection Agency and

1 printed in the Federal Register on May 25,
2 2016;

3 (B) is at or above a regulatory standard
4 set by the Food and Drug Administration for
5 PFOA and PFOS in raw agricultural commod-
6 ities and milk; or

7 (C) is at or above a duly promulgated,
8 non-discriminatory standard promulgated by a
9 State regulatory entity for PFOA and PFOS in
10 raw agricultural commodities and milk.

11 (3) SOURCE OF FUNDS.—Amounts used to
12 carry out this section shall be derived—

13 (A) in the case of amounts made available
14 by the Secretary concerned, from amounts au-
15 thorized to be appropriated for Operation and
16 Maintenance for the military department con-
17 cerned; or

18 (B) in the case of amounts made available
19 by the Secretary of Defense, from amounts au-
20 thorized to be appropriated for Operation and
21 Maintenance, Defense-wide.

22 (c) SENSE OF CONGRESS REGARDING LAND ACQUI-
23 SITION.—It is the sense of Congress that the Secretary
24 concerned should explore authorities under which the Sec-
25 retary could acquire land the land adjacent to military in-

1 stallations where the owners of the land have experienced
2 impacts to their livelihood due to PFOS and PFOA con-
3 tamination that has been verified to have been caused by
4 that installation, including the authorities under sections
5 2663, 2864a, and 2869 of title 10, United States Code.

6 **Subtitle C—Logistics and**
7 **Sustainment**

8 **SEC. 331. MATERIAL READINESS METRICS AND OBJEC-**
9 **TIVES.**

10 (a) MATERIAL READINESS METRICS AND OBJEC-
11 TIVES.—

12 (1) IN GENERAL.—Chapter 2 of title 10, United
13 States Code, is amended by inserting after section
14 117 the following new section:

15 **“§ 118. Material readiness metrics and objectives**

16 “(a) GUIDANCE.—(1) The Secretary of Defense shall
17 issue and maintain guidance requiring the implementation
18 and use of material readiness metrics to enable assessment
19 of the readiness of armed forces to carry out the national
20 defense strategy required by section 113 of this title.

21 “(2) Guidance issued pursuant to this section shall
22 ensure that such material readiness metrics—

23 “(A) are based on standardized and consistent
24 criteria; and

1 “(B) are applied, used, recorded, and reported
2 in same manner by all components of the Depart-
3 ment of Defense.

4 “(b) METRICS.—At a minimum, the material readi-
5 ness metrics required by subsection (a) shall address the
6 material availability, operational availability, and material
7 reliability of each major weapon system by designated mis-
8 sion design series, variant, or class.

9 “(c) MATERIAL READINESS OBJECTIVES.—(1) The
10 Secretary of Defense shall establish, and annually review
11 and revise, an objective value for each metric required by
12 subsection (b) as a necessary component to support the
13 review and revision of the national defense strategy re-
14 quired by section 113 of this title.

15 “(2) To the maximum extent practicable, the Sec-
16 retary shall ensure that objective values established under
17 this subsection are unclassified.

18 “(d) DEFINITIONS.—In this section:

19 “(1) The term ‘major weapons system’ has the
20 meaning given the term ‘major system’ under section
21 2302(5) of this title, except that such term does not
22 include an acquisition program for a defense busi-
23 ness system (as defined in section 2222(i)(1) of this
24 title).

1 “(2) The term ‘material availability’ means the
2 measure of the percentage of the total inventory of
3 a system that is operationally capable of performing
4 an assigned mission.

5 “(3) The term ‘material reliability’ means the
6 probability that a covered asset will perform without
7 failure over a specified interval.

8 “(4) The term ‘operational availability’ means
9 the measure of the percentage of time a covered
10 asset is operationally capable.”.

11 (2) CLERICAL AMENDMENT.—The table of sec-
12 tions at the beginning of such chapter is amended
13 by inserting after the item relating to section 117
14 the following new item:

“118. Material readiness metrics and objectives.”.

15 (b) CONFORMING AMENDMENT.—Section
16 2337(b)(2)(A) of title 10, United States Code, is amend-
17 ed—

18 (1) by inserting “to meet the material readiness
19 objectives” before “for the weapon system”; and

20 (2) by inserting “under section 118 of this
21 title” after “weapon system”.

22 (c) DEADLINES.—

23 (1) DEADLINE FOR GUIDANCE.—The guidance
24 required by section 118(a) of title 10, United States
25 Code, as added by subsection (a), shall be issued by

1 not later than 180 days after the date of the enact-
2 ment of this Act.

3 (2) DEADLINE FOR ESTABLISHMENT OF MATE-
4 RIAL READINESS OBJECTIVES.—The material readi-
5 ness objectives required by section 118(c)(1) of title
6 10, United States Code, as added by subsection (a),
7 shall be established by not later than one year after
8 the date of the enactment of this Act.

9 **SEC. 332. CLARIFICATION OF AUTHORITY REGARDING USE**
10 **OF WORKING CAPITAL FUNDS FOR UNSPEC-**
11 **IFIED MINOR MILITARY CONSTRUCTION**
12 **PROJECTS RELATED TO REVITALIZATION**
13 **AND RECAPITALIZATION OF DEFENSE INDUS-**
14 **TRIAL BASE FACILITIES.**

15 Section 2208(u) of title 10, United States Code, is
16 amended—

17 (1) in paragraph (1), by striking “carry out”
18 and inserting “fund”;

19 (2) in paragraph (2)—

20 (A) by striking “Section 2805” and insert-
21 ing “(A) Except as provided in subparagraph
22 (B), section 2805”;

23 (B) by striking “carried out with” and in-
24 serting “funded using”; and

1 (C) by adding at the end the following new
2 subparagraph:

3 “(B) For purposes of applying subparagraph (A), the
4 dollar limitation specified in subsection (a)(2) of section
5 2805 of this title, subject to adjustment as provided in
6 subsection (f) of such section, shall apply rather than the
7 dollar limitation specified in subsection (c) of such sec-
8 tion.”; and

9 (3) in paragraph (4), by striking “carry out”
10 and inserting “fund”.

11 **SEC. 333. F-35 JOINT STRIKE FIGHTER SUSTAINMENT.**

12 (a) **LIMITATION ON USE OF FUNDS.**—Of the
13 amounts authorized to be appropriated or otherwise made
14 available in this Act for the Office of the Under Secretary
15 of Defense for Acquisition and Sustainment for fiscal year
16 2020, not more than 75 percent may be obligated or ex-
17 pended until the date on which the Under Secretary sub-
18 mits the report required by subsection (b).

19 (b) **REPORT REQUIRED.**—The Under Secretary of
20 Defense for Acquisition and Sustainment shall submit to
21 the Committees on Armed Services of the Senate and
22 House of Representatives a report on steps being taken
23 to improve the availability and accountability of F-35
24 parts within the supply chain. At a minimum, the report

1 shall include a detailed plan for each of the following ele-
2 ments:

3 (1) How the accountable property system of
4 record will be updated with information from the
5 prime contractors supplying such parts on required
6 cost and related data with respect to the parts and
7 how the F-35 Program Office will ensure such con-
8 tractors are adhering to contractual requirements
9 for the management, reporting, visibility, and ac-
10 countability of all such parts supplied by the prime
11 contractors.

12 (2) How the accountability property system of
13 record will have interfaces that allow the F-35 Pro-
14 gram Office and other authorized entities to have
15 proper accountability of assets in accordance with
16 applicable Department of Defense Instructions, De-
17 partment of Defense Manuals, and other applicable
18 regulations.

19 (3) How the F-35 Program Office and the Sec-
20 retary of each of the military departments will en-
21 sure business rules for the prioritization of F-35
22 parts across all program participants is sufficient,
23 effective, and responsive.

24 (4) Steps being taken to ensure parts within
25 the base, afloat, and deployment spares packages are

1 compatible for deploying F-35 aircraft and account
2 for updated parts demand.

3 **SEC. 334. REPORT ON STRATEGIC POLICY FOR**
4 **PREPOSITIONED MATERIEL AND EQUIP-**
5 **MENT.**

6 (a) REPORT REQUIRED.—Not later than March 1,
7 2020, the Assistant Secretary of Defense for Sustainment,
8 in coordination with the Joint Staff, shall submit to the
9 Committees on Armed Services of the Senate and House
10 of Representatives a report on the implementation plan
11 for prepositioned materiel and equipment required by sec-
12 tion 321(b) of the National Defense Authorization Act for
13 Fiscal Year 2014 (Public Law 113–66; 127 Stat. 730; 10
14 U.S.C. 2229 note). Such report shall include each of the
15 following:

16 (1) A comprehensive list of the prepositioned
17 materiel and equipment programs of the Department
18 of Defense.

19 (2) A detailed description of how the plan will
20 be implemented.

21 (3) A description of the resources required to
22 implement the plan, including the amount of funds
23 and personnel.

24 (4) A description of how the plan will be re-
25 viewed and assessed to monitor progress.

1 (5) Guidance on applying a consistent definition
2 of prepositioning across the Department, including
3 the military departments, the combatant commands,
4 and the Defense Agencies.

5 (6) A detailed description of how the Secretary
6 will implement a joint oversight approach of the
7 prepositioning programs of the military departments.

8 (b) **LIMITATION ON USE OF FUNDS.**—Of the
9 amounts authorized to be appropriated or otherwise made
10 available in this Act for the Office of the Assistant Sec-
11 retary of Defense for Sustainment for fiscal year 2020,
12 not more than 75 percent may be obligated or expended
13 until the date on which the Assistant Secretary submits
14 the report required by subsection (a).

15 **SEC. 335. LIMITATION ON USE OF FUNDS FOR IMPLEMEN-**
16 **TATION OF ELEMENTS OF MASTER PLAN FOR**
17 **REDEVELOPMENT OF FORMER SHIP REPAIR**
18 **FACILITY IN GUAM.**

19 (a) **LIMITATION.**—Except as provided in subsection
20 (b), none of the funds authorized to be appropriated by
21 this Act or otherwise made available for the Navy for fiscal
22 year 2020 may be obligated or expended for any construc-
23 tion, alteration, repair, or development of the real property
24 consisting of the Former Ship Repair Facility in Guam.

1 (b) EXCEPTION.—The limitation under subsection
2 (a) does not apply to any project that directly supports
3 depot-level ship maintenance capabilities, including the
4 mooring of a floating dry dock.

5 (c) FORMER SHIP REPAIR FACILITY IN GUAM.—In
6 this section, the term “Former Ship Repair Facility in
7 Guam” means the property identified by that name under
8 the base realignment and closure authority carried out
9 under the Defense Base Closure and Realignment Act of
10 1990 (part A of title XXIX of Public Law 101–510; 10
11 U.S.C. 2687 note).

12 **Subtitle D—Reports**

13 **SEC. 341. READINESS REPORTING.**

14 (a) READINESS REPORTING SYSTEM.—Section 117
15 of title 10, United State Code, is amended—

16 (1) by striking subsections (d) through (g); and

17 (2) by redesignating subsection (h) as sub-
18 section (d).

19 (b) QUARTERLY REPORTS.—Section 482 of title 10,
20 United States Code, is amended—

21 (1) in the section heading, by striking “**Quar-**
22 **terly reports: personnel and unit readi-**
23 **ness**” and inserting “**Readiness reports**”;

24 (2) in subsection (a)—

1 (A) In the subsection heading, by striking
2 “ QUARTERLY REPORTS REQUIRED” and in-
3 serting “REPORTS AND BRIEFINGS”;

4 (B) In the first sentence—

5 (i) by striking “Not later” and insert-
6 ing “(1) Not later”; and

7 (ii) by striking “each calendar-year
8 quarter” and inserting “the second and
9 fourth quarter of each calendar year”;

10 (C) by striking the second and third sen-
11 tences and inserting “The Secretary of Defense
12 shall submit each such report in writing and
13 shall also submit a copy of each such report to
14 the Chairman of the Joint Chiefs of Staff.”;
15 and

16 (D) by adding at the end the following new
17 paragraphs:

18 “(2) Not later than 30 days after the end of the first
19 and third quarter of each calendar year, the Secretary of
20 Defense shall provide to Congress a briefing regarding the
21 military readiness of the active and reserve components.

22 “(3) Each report under this subsection shall contain
23 the elements required by subsection (b) for the quarter
24 covered by the report, and each briefing shall address any

1 changes to the elements described in subsection (b) since
2 the submittal of the most recently submitted report.”;

3 (3) by striking subsection (b) and inserting the
4 following:

5 “(b) REQUIRED ELEMENTS.—The elements de-
6 scribed in this subsection are each of the following:

7 “(1) A description of each readiness problem or
8 deficiency that affects the ground, sea, air, space,
9 cyber, or special operations forces, and any other
10 area determined appropriate by the Secretary of De-
11 fense.

12 “(2) The key contributing factors, indicators,
13 and other relevant information related to each iden-
14 tified problem or deficiency.

15 “(3) The short-term mitigation strategy the De-
16 partment will employ to address each readiness
17 problem or deficiency until a resolution is in place,
18 as well as the timeline, cost, and any legislative rem-
19 edies required to support the resolution.

20 “(4) A summary of combat readiness ratings
21 for the key force elements assessed, including spe-
22 cific information on personnel, supply, equipment,
23 and training problems or deficiencies that affect the
24 combat readiness ratings for each force element.

1 “(5) A summary of each upgrade or downgrade
2 of the combat readiness of a unit that was issued by
3 the commander of the unit, together with the ration-
4 ale of the commander for the issuance of such up-
5 grade or downgrade.

6 “(6) A summary of the readiness of supporting
7 capabilities, including infrastructure, prepositioned
8 equipment and supplies, and mobility assets, and
9 other supporting logistics capabilities.

10 “(7) A summary of the readiness of the combat
11 support and related agencies, any readiness problem
12 or deficiency affecting any mission essential tasks of
13 any such agency, and actions recommended to ad-
14 dress any such problem or deficiency.

15 “(8) A list of all Class A, Class B, and Class
16 C mishaps that occurred in operations related to
17 combat support and training events involving avia-
18 tion, ground, or naval platforms, weapons, space, or
19 Government vehicles, as defined by Department of
20 Defense Instruction 6055.07, or a successor instruc-
21 tion.

22 “(9) Information on the extent to which units
23 of the armed forces have removed serviceable parts,
24 supplies, or equipment from one vehicle, vessel, or

1 aircraft in order to render a different vehicle, vessel,
2 or aircraft operational.

3 “(10) Such other information as determined
4 necessary or appropriate by the Secretary of De-
5 fense.”;

6 (4) by striking subsections (d) through (h) and
7 subsection (j);

8 (5) by redesignating subsection (i) as subsection
9 (e); and

10 (6) by inserting after subsection (c) the fol-
11 lowing new subsections (d):

12 “(d) SEMI-ANNUAL JOINT FORCE READINESS RE-
13 VIEW.—(1) Not later than 30 days after the last day of
14 the first and third quarter of each calendar year, the
15 Chairman of the Joint Chiefs of Staff shall submit to Con-
16 gress a written report on the capability of the armed
17 forces, the combat support and related agencies, oper-
18 ational contract support, and the geographic and func-
19 tional combatant commands to execute their wartime mis-
20 sions based upon their posture and readiness as of the
21 time the review is conducted.

22 “(2) The Chairman shall produce the report required
23 under this subsection using information derived from the
24 quarterly reports required by subsection (a).

1 “(3) Each report required by this subsection shall in-
2 clude an assessment by each commander of a geographic
3 or functional combatant command of the readiness of the
4 command to conduct operations in a multidomain battle
5 that integrates ground, sea, air, space, cyber, and special
6 operations forces.

7 “(4) The Chairman shall submit to the Secretary of
8 Defense a copy of each report under this subsection.”.

9 (c) CLERICAL AMENDMENT.—The table of sections
10 at the beginning of chapter 23 of such title is amended
11 by striking the item relating to section 482 and inserting
12 the following new item:

“482. Readiness reports.”.

13 **SEC. 342. EXTENSION OF DEADLINE FOR TRANSITION**
14 **FROM SERVICE-SPECIFIC DEFENSE READI-**
15 **NESS REPORTING SYSTEMS.**

16 Section 358(c) of the John S. McCain National De-
17 fense Authorization Act for Fiscal Year 2019 (Public Law
18 115–232) is amended by striking “October 1, 2019” and
19 inserting “October 1, 2020”.

20 **SEC. 343. REPORT ON NAVY SHIP DEPOT MAINTENANCE**
21 **BUDGET.**

22 (a) IN GENERAL.—Not later than March 1 of each
23 of 2020, 2021, and 2022, the Secretary of the Navy shall
24 submit to the Committees on Armed Services of the Sen-
25 ate and the House of Representatives a report on the Op-

1 eration and Maintenance Ship Depot Maintenance budget
2 sub-activity group.

3 (b) ELEMENTS.—The report required under sub-
4 section (a) shall include each of the following elements:

5 (1) A breakdown of funding, categorized by
6 class of ship, requested for ship and submarine
7 maintenance.

8 (2) A description of how the requested funding,
9 categorized by class of ship, compares to the identi-
10 fied ship maintenance requirement.

11 (3) The amount of funds appropriated for each
12 class of ship for the preceding fiscal year.

13 (4) The amount of funds obligated and ex-
14 pended for each class of ship for each of the three
15 preceding fiscal years.

16 (5) The cost, categorized by class of ship, of
17 unplanned growth work for each of the three pre-
18 ceding fiscal years.

19 **SEC. 344. REPORT ON RUNIT DOME.**

20 (a) REPORT REQUIRED.—Not later than 180 days
21 after the date of the enactment of this Act, the Secretary
22 of Energy, in coordination with the Administrator of the
23 Environmental Protection Agency and Secretary of De-
24 fense, shall submit to the Committee on Energy and Com-
25 merce, the Committee on Natural Resources, and the

1 Committee on Armed Services of the House of Represent-
2 atives and the Committee on Armed Services and the
3 Committee on Energy and Natural Resources of the Sen-
4 ate a report on the status of the Runit Dome in the Mar-
5 shal Islands.

6 (b) MATTERS FOR INCLUSION.—The report required
7 by subsection (a) shall include each of the following:

8 (1) A detailed plan to remove the radioactive
9 materials in the dome to a safer and more stable lo-
10 cation, including a predicted timeline and associated
11 costs.

12 (2) A detailed plan to repair the dome to ensure
13 that it does not have any harmful effects to the local
14 population, environment, or wildlife, including the
15 projected costs of implementing such plan.

16 (3) The effects on the environment that the
17 dome has currently and is projected to have in 5
18 years, 10 years, and 20 years.

19 (4) An assessment on the safety of food gath-
20 ered from local food sources.

21 (5) An assessment of the current condition of
22 the outer constructs of the dome.

23 (6) An assessment of the current and long-term
24 safety to local humans posed by the site.

1 (7) How climate change and rising sea levels
2 are predicted to affect the dome, including a descrip-
3 tion of projected scenarios if the dome becomes par-
4 tially or fully submerged by ocean water.

5 (8) A summary of interactions between the
6 Government of the United States and the govern-
7 ment of the Marshall Islands about the dome.

8 (9) A detailed description of the physical health
9 effects on Pacific Islanders, including residents of
10 Hawaii, Fiji, and Samoa, of nuclear testing con-
11 ducted at Runit Dome.

12 (10) A detailed description of the pre- and post-
13 nuclear test communications between the United
14 States and the governments of the territories and
15 nations of the Pacific Islands, including Hawaii,
16 Fiji, and Samoa.

17 (c) FORM OF REPORT.—The report required by sub-
18 section (a) shall be submitted in unclassified form and
19 made publicly available.

20 **Subtitle E—Other Matters**

21 **SEC. 351. INCLUSION OF OVER-THE-HORIZON RADARS IN** 22 **EARLY OUTREACH PROCEDURES.**

23 Section 183a(e)(6) of title 10, United States Code,
24 is amended by striking “or airport surveillance radar” and

1 inserting “, airport surveillance radar, or wide area sur-
2 veillance over-the-horizon radar”.

3 **SEC. 352. EXTENSION OF AUTHORITY FOR SECRETARY OF**
4 **DEFENSE TO USE DEPARTMENT OF DEFENSE**
5 **REIMBURSEMENT RATE FOR TRANSPOR-**
6 **TATION SERVICES PROVIDED TO CERTAIN**
7 **NON-DEPARTMENT OF DEFENSE ENTITIES.**

8 Section 2642(b) of title 10, United States Code, is
9 amended by striking “October 1, 2019” and inserting
10 “October 1, 2024”.

11 **SEC. 353. EXPANDED TRANSFER AND ADOPTION OF MILI-**
12 **TARY ANIMALS.**

13 Section 2583 of title 10, United States Code, is
14 amended—

15 (1) in subsection (a)—

16 (A) in the subsection heading, by inserting
17 “TRANSFER OR” before “ADOPTION”; and

18 (B) by striking “adoption” each place it
19 appears and inserting “transfer or adoption”;

20 (2) in subsection (b)—

21 (A) in the subsection heading, by inserting
22 “TRANSFER OR” before “ADOPTION”;

23 (B) in the first sentence, by striking
24 “adoption” and inserting “transfer or adop-
25 tion”; and

1 (C) in the second sentence, by striking
2 “adoptability” and inserting “transferability or
3 adoptability”;

4 (3) in subsection (c)(1)—

5 (A) in the matter preceding subparagraph
6 (A), by inserting “transfer or” before “adop-
7 tion”;

8 (B) in subparagraphs (A) and (B), by in-
9 serting “adoption” before “by”;

10 (C) in subparagraph (B), by inserting “or
11 organizations” after “persons”; and

12 (D) in subparagraph (C), by striking “by”
13 and inserting “transfer to”;

14 (4) in subsection (e)—

15 (A) in the subsection heading, by inserting
16 “OR ADOPTED” after “TRANSFERRED”;

17 (B) in paragraphs (1) and (2), by striking
18 “transferred” each place it appears and insert-
19 ing “transferred or adopted”; and

20 (C) in paragraph (2), by striking “trans-
21 fer” each place it appears and inserting “trans-
22 fer or adoption”;

23 (5) in subsection (f)—

1 (A) in the subsection heading, by striking
2 “TRANSFER OF RETIRED” and inserting
3 “TRANSPORTATION OF RETIRING”; and

4 (B) in paragraph (1), by striking “trans-
5 fer” and inserting “transport”;

6 (6) in subsection (g)(3), by striking “adoption
7 of military working dogs” and all that follows
8 through the period at the end and inserting “trans-
9 fer of military working dogs to law enforcement
10 agencies before the end of the dogs’ useful working
11 lives.”; and

12 (7) in subsection (h)(2), by striking “A horse”
13 and inserting “An equid (horse, mule, or donkey)”.

14 **SEC. 354. EXTENSION OF AUTHORITY OF SECRETARY OF**
15 **TRANSPORTATION TO ISSUE NON-PREMIUM**
16 **AVIATION INSURANCE.**

17 Section 44310(b) of title 49, United States Code, is
18 amended by striking “December 31, 2019” and inserting
19 “September 30, 2023”.

20 **SEC. 355. DEFENSE PERSONAL PROPERTY PROGRAM.**

21 (a) ADVISORY GROUP.—

22 (1) ESTABLISHMENT.—There is established an
23 advisory group on the defense personal property pro-
24 gram, to be known as the “Global Household Relo-
25 cation Services Advisory Committee”.

1 (2) MEMBERSHIP.—The advisory group shall be
2 comprised of 15 members appointed from among in-
3 dividuals who represent appropriate entities as fol-
4 lows:

5 (A) One member representing United
6 States Transportation Command appointed by
7 the Commander of United States Transpor-
8 tation Command.

9 (B) A flag or general officer of the Armed
10 Forces representing each of the Army, Navy,
11 Air Force, Marine Corps, and Coast Guard ap-
12 pointed by the Vice Chief of Staff of the Army,
13 Vice Chief of Naval Operations, Vice Chief of
14 Staff of the Air Force, the Assistant Com-
15 mandant of the Marine Corps, and Vice Com-
16 mandant of the Coast Guard, respectively.

17 (C) Four members representing appro-
18 priate transportation service providers, includ-
19 ing two small business concerns, appointed by
20 the Assistant Secretary of Defense for
21 Sustainment.

22 (D) Five members representing consumer
23 representatives who are members of the Armed
24 Forces or spouses of members of the Armed
25 Forces, one of whom is appointed by the senior

1 non-commissioned officer of each of the Army,
2 Navy, Air Force, Marine Corps, and Coast
3 Guard.

4 (3) MEETINGS.—The advisory group shall con-
5 vene regularly to provide to the Secretary of Defense
6 feedback on the execution of, and any recommended
7 changes to, the global household goods contract.

8 (4) REPORTS.—

9 (A) QUARTERLY REPORTS.—Not later
10 than 30 days after the last day of a fiscal quar-
11 ter, the advisory group shall submit to the con-
12 gressional defense committees a report on the
13 activities and recommendations of the advisory
14 group during such fiscal quarter.

15 (B) TERMINATION OF REPORT REQUIRE-
16 MENT.—The requirement to submit a report
17 under subparagraph (A) shall terminate on the
18 termination date specified under paragraph
19 (5)(A).

20 (5) TERMINATION.—The advisory group shall
21 terminate on the date that is five years after the
22 date of the enactment of this Act.

23 (b) BUSINESS CASE ANALYSIS.—Not later than 60
24 days after the date of the enactment of this Act, the Com-
25 mander of United States Transportation Command shall

1 prepare a business case analysis for the proposed award
2 of a global household goods contract for the defense per-
3 sonal property program.

4 (c) LIMITATION.—None of the funds authorized to be
5 appropriated in this Act for fiscal year 2020 shall be avail-
6 able to enter into a global household goods contract until
7 the date that is 30 days after the date on which the Com-
8 mander of United States Transportation Command pro-
9 vides to the congressional defense committees a briefing
10 on—

11 (1) the business case analysis required by sub-
12 section (b); and

13 (2) the proposed structure and meeting sched-
14 ule for the advisory group established under sub-
15 section (a).

16 (d) DEFINITIONS.—In this section:

17 (1) The term “global household goods contract”
18 means the solicitation managed by United States
19 Transportation Command to engage a private entity
20 to manage the defense personal property program.

21 (2) The term “defense personal property pro-
22 gram” means the Department of Defense program
23 used to manage the shipment of the baggage and
24 household effects of members of the Armed Forces
25 under section 476 of title 37, United States Code.

1 **SEC. 356. PUBLIC EVENTS ABOUT RED HILL BULK FUEL**
2 **STORAGE FACILITY.**

3 (a) **REQUIREMENT.**—At least once every calendar
4 quarter, the Secretary of the Navy, or the designee of the
5 Secretary, shall hold an event that is open to the public
6 at which the Secretary shall provide up-to-date informa-
7 tion about the Red Hill Bulk Fuel Storage Facility.

8 (b) **TERMINATION.**—The requirement to hold events
9 under subsection (a) shall terminate on the earlier of the
10 following dates:

11 (1) September 30, 2025.

12 (2) The date on which the Red Hill Bulk Fuel
13 Storage Facility ceases operation.

14 **SEC. 357. SENSE OF CONGRESS REGARDING INNOVATIVE**
15 **READINESS TRAINING PROGRAM.**

16 It is the sense of Congress that—

17 (1) the Innovative Readiness Training program
18 is an effective training program for members of the
19 Armed Forces and is highly beneficial to civilian-
20 military relationships with local American commu-
21 nities;

22 (2) due to the geographic complexities and re-
23 alities of non-contiguous States and territories, In-
24 novative Readiness Training has lent greater benefit
25 to such States and territories while providing unique

1 and realistic training opportunities and deployment
2 readiness for members of the Armed Forces;

3 (3) the Department of Defense should pursue
4 continued Innovative Readiness Training opportuni-
5 ties, and, where applicable, strongly encourage the
6 use of Innovative Readiness Training in non-contig-
7 uous States and territories; and

8 (4) in considering whether to recommend a
9 project, the Secretary should consider the benefits of
10 the project to the economy of a region damaged by
11 natural disasters.

12 **SEC. 358. PILOT PROGRAM ON REDUCTION OF EFFECTS OF**
13 **MILITARY AVIATION NOISE ON PRIVATE**
14 **RESIDENCES.**

15 (a) IN GENERAL.—The Secretary of Defense shall
16 carry out a five-year pilot program under which the com-
17 mander of a military installation may provide funds for
18 the purpose of installing noise insulation on private resi-
19 dences impacted by military aviation noise from the instal-
20 lation.

21 (b) ELIGIBILITY.—To be eligible to receive funds
22 under the pilot program, a recipient shall enter into an
23 agreement with the commander to—

24 (1) provide at least 50 percent of the funds re-
25 quired to carry out the noise insulation; and

1 (2) ensure that the noise at any private resi-
2 dence where insulation is installed is reduced by at
3 least 5 dB.

4 (c) USE OF FUNDS.—Funds provided under the pilot
5 program shall be used for the installation of noise insula-
6 tion at a residence—

7 (1) located within a Department of Defense
8 noise contour between 65 dB day-night average
9 sound level and 75 dB day-night average sound level
10 as validated on a National Environmental Policy
11 Act-compliant assessment within the past three
12 years; and

13 (2) where interior noise has been measured at
14 45 dB day-night average sound level by the installa-
15 tion.

16 (d) GOALS AND BEST PRACTICES.—In carrying out
17 the pilot program under this section, a commander shall
18 use the following goals and best practices:

19 (1) Minimize cost in order to maximize number
20 of homes served.

21 (2) Focus efforts on residences newly impacted
22 by increased noise levels.

1 **TITLE IV—MILITARY**
2 **PERSONNEL AUTHORIZATIONS**
3 **Subtitle A—Active Forces**

4 **SEC. 401. END STRENGTHS FOR ACTIVE FORCES.**

5 The Armed Forces are authorized strengths for active
6 duty personnel as of September 30, 2020, as follows:

7 (1) The Army, 480,000.

8 (2) The Navy, 340,500.

9 (3) The Marine Corps, 186,200.

10 (4) The Air Force, 332,800.

11 **SEC. 402. REVISIONS IN PERMANENT ACTIVE DUTY END**
12 **STRENGTH MINIMUM LEVELS.**

13 Section 691(b) of title 10, United States Code, is
14 amended by striking paragraphs (1) through (4) and in-
15 serting the following new paragraphs:

16 “(1) For the Army, 480,000.

17 “(2) For the Navy, 340,500.

18 “(3) For the Marine Corps, 186,200.

19 “(4) For the Air Force, 332,800.”.

20 **Subtitle B—Reserve Forces**

21 **SEC. 411. END STRENGTHS FOR SELECTED RESERVE.**

22 (a) IN GENERAL.—The Armed Forces are authorized
23 strengths for Selected Reserve personnel of the reserve
24 components as of September 30, 2020, as follows:

1 (1) The Army National Guard of the United
2 States, 336,000.

3 (2) The Army Reserve, 189,500.

4 (3) The Navy Reserve, 59,000.

5 (4) The Marine Corps Reserve, 38,500.

6 (5) The Air National Guard of the United
7 States, 107,700.

8 (6) The Air Force Reserve, 70,100.

9 (7) The Coast Guard Reserve, 7,000.

10 (b) END STRENGTH REDUCTIONS.—The end
11 strengths prescribed by subsection (a) for the Selected Re-
12 serve of any reserve component shall be proportionately
13 reduced by—

14 (1) the total authorized strength of units orga-
15 nized to serve as units of the Selected Reserve of
16 such component which are on active duty (other
17 than for training) at the end of the fiscal year; and

18 (2) the total number of individual members not
19 in units organized to serve as units of the Selected
20 Reserve of such component who are on active duty
21 (other than for training or for unsatisfactory partici-
22 pation in training) without their consent at the end
23 of the fiscal year.

24 (c) END STRENGTH INCREASES.—Whenever units or
25 individual members of the Selected Reserve of any reserve

1 component are released from active duty during any fiscal
2 year, the end strength prescribed for such fiscal year for
3 the Selected Reserve of such reserve component shall be
4 increased proportionately by the total authorized strengths
5 of such units and by the total number of such individual
6 members.

7 **SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE**
8 **DUTY IN SUPPORT OF THE RESERVES.**

9 Within the end strengths prescribed in section
10 411(a), the reserve components of the Armed Forces are
11 authorized, as of September 30, 2020, the following num-
12 ber of Reserves to be serving on full-time active duty or
13 full-time duty, in the case of members of the National
14 Guard, for the purpose of organizing, administering, re-
15 cruiting, instructing, or training the reserve components:

16 (1) The Army National Guard of the United
17 States, 30,595.

18 (2) The Army Reserve, 16,511.

19 (3) The Navy Reserve, 10,155.

20 (4) The Marine Corps Reserve, 2,386.

21 (5) The Air National Guard of the United
22 States, 22,637.

23 (6) The Air Force Reserve, 4,431.

1 **SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS**
2 **(DUAL STATUS).**

3 The minimum number of military technicians (dual
4 status) as of the last day of fiscal year 2020 for the re-
5 serve components of the Army and the Air Force (notwith-
6 standing section 129 of title 10, United States Code) shall
7 be the following:

8 (1) For the Army National Guard of the United
9 States, 22,294.

10 (2) For the Army Reserve, 6,492.

11 (3) For the Air National Guard of the United
12 States, 13,573.

13 (4) For the Air Force Reserve, 8,848.

14 **SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AU-**
15 **THORIZED TO BE ON ACTIVE DUTY FOR**
16 **OPERATIONAL SUPPORT.**

17 During fiscal year 2020, the maximum number of
18 members of the reserve components of the Armed Forces
19 who may be serving at any time on full-time operational
20 support duty under section 115(b) of title 10, United
21 States Code, is the following:

22 (1) The Army National Guard of the United
23 States, 17,000.

24 (2) The Army Reserve, 13,000.

25 (3) The Navy Reserve, 6,200.

26 (4) The Marine Corps Reserve, 3,000.

1 (5) The Air National Guard of the United
2 States, 16,000.

3 (6) The Air Force Reserve, 14,000.

4 **Subtitle C—Authorization of**
5 **Appropriations**

6 **SEC. 421. MILITARY PERSONNEL.**

7 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds
8 are hereby authorized to be appropriated for fiscal year
9 2020 for the use of the Armed Forces and other activities
10 and agencies of the Department of Defense for expenses,
11 not otherwise provided for, for military personnel, as spec-
12 ified in the funding table in section 4401.

13 (b) CONSTRUCTION OF AUTHORIZATION.—The au-
14 thorization of appropriations in the subsection (a) super-
15 sedes any other authorization of appropriations (definite
16 or indefinite) for such purpose for fiscal year 2020.

17 **TITLE V—MILITARY PERSONNEL**
18 **POLICY**

19 **Subtitle A—Officer Personnel**
20 **Policy**

21 **SEC. 501. MANAGEMENT POLICIES FOR JOINT QUALIFIED**
22 **OFFICERS.**

23 Section 661(d)(3)(B) of title 10, United States Code,
24 is amended in the third sentence by inserting “or a des-

1 ignee of the Chairman who is an officer of the armed
2 forces in grade O-8 or higher” before the period.

3 **SEC. 502. GRADE OF CHIEF OF THE VETERINARY CORPS OF**
4 **THE ARMY.**

5 Section 7084 of title 10, United States Code, is
6 amended by adding at the end the following: “An officer
7 appointed to that position who holds a lower grade shall
8 be appointed in the grade of brigadier general.”

9 **SEC. 503. AUTHORITY OF PROMOTION BOARDS TO REC-**
10 **COMMEND THAT OFFICERS OF PARTICULAR**
11 **MERIT BE PLACED HIGHER ON PROMOTION**
12 **LIST.**

13 (a) IN GENERAL.—Section 14108 of title 10, United
14 States Code, is amended by adding at the end the fol-
15 lowing new subsection:

16 “(f) HIGHER PLACEMENT OF OFFICERS OF PAR-
17 TICULAR MERIT ON PROMOTION LIST.—(1) In selecting
18 officers to be recommended for promotion, a promotion
19 board may, when authorized by the Secretary concerned,
20 recommend that officers of particular merit, from among
21 those officers selected for promotion, be placed higher on
22 the promotion list established by the Secretary under sec-
23 tion 14308(a) of this title.

1 “(2) A promotion board may make a recommendation
2 under paragraph (1) only if an officer receives the rec-
3 ommendation of—

4 “(A) a majority of the members of the pro-
5 motion board; or

6 “(B) an alternative requirement established by
7 the Secretary concerned and furnished to the pro-
8 motion board as part of the guidelines under section
9 14107 of this title.

10 “(3) For officers who receive recommendations under
11 paragraph (1), the board shall recommend the order in
12 which those officers should be placed on the promotion
13 list.”.

14 (b) REPORTS REGARDING RECOMMENDATIONS THAT
15 OFFICERS OF PARTICULAR MERIT BE PLACED HIGHER
16 ON PROMOTION LIST.—Section 14109 of such title is
17 amended by adding at the end the following new sub-
18 section:

19 “(d) REPORT OF OFFICERS RECOMMENDED FOR
20 HIGHER PLACEMENT ON PROMOTION LIST.—A pro-
21 motion board convened under section 14101(a) of this title
22 shall, when authorized under section 14108(f) of this title,
23 include in its report to the Secretary concerned—

1 “(1) the names of those officers the promotion
2 board recommends be placed higher on the pro-
3 motion list; and

4 “(2) the order in which the promotion board
5 recommends those officers should be placed on the
6 promotion list.”.

7 (c) OFFICERS OF PARTICULAR MERIT APPEARING
8 HIGHER ON PROMOTION LIST.—Section 14308(a) of such
9 title is amended in the first sentence by inserting “or
10 based on particular merit, as determined by the promotion
11 board” before the period.

12 **SEC. 504. AVAILABILITY ON THE INTERNET OF CERTAIN IN-**
13 **FORMATION ABOUT OFFICERS SERVING IN**
14 **GENERAL OR FLAG OFFICER GRADES.**

15 (a) AVAILABILITY REQUIRED.—

16 (1) IN GENERAL.—The Secretary of each mili-
17 tary department shall make available on an internet
18 website of such department available to the public
19 information specified in paragraph (2) on each offi-
20 cer in a general or flag officer grade under the juris-
21 diction of such Secretary, including any such officer
22 on the reserve active-status list.

23 (2) INFORMATION.—The information on an of-
24 ficer specified by this paragraph to be made avail-

1 able pursuant to paragraph (1) is the information as
2 follows:

3 (A) The officer's name.

4 (B) The officer's current grade, duty posi-
5 tion, command or organization, and location of
6 assignment.

7 (C) A summary list of the officer's past
8 duty assignments while serving in a general or
9 flag officer grade.

10 (b) ADDITIONAL PUBLIC NOTICE ON CERTAIN OFFI-
11 CERS.—Whenever an officer in a grade of O-7 or above
12 is assigned to a new billet or reassigned from a current
13 billet, the Secretary of the military department having ju-
14 risdiction of such officer shall make available on an inter-
15 net website of such department available to the public a
16 notice of such assignment or reassignment.

17 (c) LIMITATION ON WITHHOLDING OF CERTAIN IN-
18 FORMATION OR NOTICE.—

19 (1) LIMITATION.—The Secretary of a military
20 department may not withhold the information or no-
21 tice specified in subsections (a) and (b) from public
22 availability pursuant to subsection (a), unless and
23 until the Secretary notifies the Committees on
24 Armed Services of the Senate and House of Rep-
25 resentatives in writing of the information or notice

1 that will be so withheld, together with justification
2 for withholding the information or notice from public
3 availability.

4 (2) LIMITED DURATION OF WITHHOLDING.—
5 The Secretary concerned may withhold from the
6 public under paragraph (1) information or notice on
7 an officer only on the basis of individual risk or na-
8 tional security, and may continue to withhold such
9 information or notice only for so long as the basis
10 for withholding remains in force.

11 **Subtitle B—Reserve Component** 12 **Management**

13 **SEC. 511. GRADE OF CERTAIN CHIEFS OF RESERVE COMPO-** 14 **NENTS.**

15 (a) IN GENERAL.—

16 (1) CHIEF OF ARMY RESERVE.—Section
17 7038(b)(1) of title 10, United States Code, is
18 amended by striking “general officers of the Army
19 Reserve” and inserting “officers of the Army Re-
20 serve in the grade of lieutenant general and”.

21 (2) CHIEF OF NAVY RESERVE.—Section
22 8083(b)(1) of such title is amended by striking “flag
23 officers of the Navy (as defined in section 8001(1))”
24 and inserting “officers of the Navy Reserve in the
25 grade of vice admiral and”.

1 (3) COMMANDER, MARINE FORCES RESERVE.—
2 Section 8084(b)(1) of such title is amended by strik-
3 ing “general officers of the Marine Corps (as defined
4 in section 8001(2))” and inserting “officers of the
5 Marine Corps Reserve in the grade of lieutenant
6 general and”.

7 (4) CHIEF OF AIR FORCE RESERVE.—Section
8 9038(b)(1) of such title is amended by striking
9 “general officers of the Air Force Reserve” and in-
10 sserting “officers of the Air Force Reserve in the
11 grade of lieutenant general and”.

12 (b) EFFECTIVE DATE.—The amendments made
13 under subsection (a) shall take effect on the date that is
14 one year after the date of the enactment of this Act and
15 shall apply to appointments made after such date.

16 **SECTION 512. AUTHORITY TO DEFER MANDATORY SEPARA-**
17 **TION AT AGE 68 OF OFFICERS IN MEDICAL**
18 **SPECIALTIES IN THE RESERVE COMPO-**
19 **NENTS.**

20 Section 14703(b) of title 10, United States Code, is
21 amended—

22 (1) by striking “An” and inserting “(1) Subject
23 to paragraph (2), an”; and

24 (2) by adding at the end the following new
25 paragraph (2):

1 “(2) The Secretary concerned may, with the consent
2 of the officer, retain in an active status an officer in a
3 medical specialty described in subsection (a) beyond the
4 date described in paragraph (1) of this subsection if the
5 Secretary concerned determines that such retention is nec-
6 essary to the military department concerned. Each such
7 retention shall be made on a case-by-case basis and for
8 such period as the Secretary concerned determines appro-
9 priate.”.

10 **SEC. 513. REPEAL OF REQUIREMENT FOR REVIEW OF CER-**
11 **TAIN ARMY RESERVE OFFICER UNIT VA-**
12 **CANCY PROMOTIONS BY COMMANDERS OF**
13 **ASSOCIATED ACTIVE DUTY UNITS.**

14 Section 1113 of the Army National Guard Combat
15 Readiness Reform Act of 1992 (Public Law 102–484; 10
16 U.S.C. 10105 note) is repealed.

17 **SEC. 514. GUIDANCE FOR USE OF UNMANNED AIRCRAFT**
18 **SYSTEMS BY THE NATIONAL GUARD.**

19 (a) NEW GUIDANCE.—Not later than 90 days after
20 the date of the enactment of this Act, the Secretary of
21 Defense shall issue new guidance that treats the use of
22 unmanned aircraft systems by the National Guard for cov-
23 ered activities in a manner no more restrictive than the
24 use of other aircraft for covered activities.

1 (b) COVERED ACTIVITIES DEFINED.—In this section,
2 “covered activities” means the following:

3 (1) Emergency operations.

4 (2) Search and rescue operations.

5 (3) Defense support to civil authorities.

6 (4) Support under section 502(f) of title 32,
7 United States Code.

8 **SEC. 515. JUNIOR RESERVE OFFICERS’ TRAINING CORPS.**

9 (a) IN GENERAL.—Section 2031(b)(3) of title 10,
10 United States Code, is amended by inserting “and which
11 may include instruction or activities in the fields of
12 science, technology, engineering, and mathematics” after
13 “duration”.

14 (b) EFFECTIVE DATE.—The amendment made by
15 subsection (a) shall take effect 180 days after the date
16 of the enactment of this Act.

17 **SEC. 516. JROTC COMPUTER SCIENCE AND CYBERSECURITY PROGRAM.**

18 Chapter 102 of title 10, United States Code, is
19 amended by adding at the end the following new section:

20 **“§ 2036. Computer science and cybersecurity pro-**
21 **gram**

22 **“(a) PROGRAM AUTHORIZED.—The Secretary of De-**
23 **fense may carry out a program to enhance the preparation**
24

1 of students in the Junior Reserve Officers' Training Corps
2 for careers in computer science and cybersecurity.

3 “(b) COORDINATION.—In carrying out the program,
4 the Secretary shall coordinate with the following:

5 “(1) The Secretaries of the military depart-
6 ments.

7 “(2) The Secretary of Education.

8 “(3) The National Science Foundation.

9 “(4) The heads of such other Federal, State,
10 and local government entities the Secretary of De-
11 fense determines appropriate.

12 “(5) Private sector organizations the Secretary
13 of Defense determines appropriate.

14 “(c) ACTIVITIES.—Activities under the program may
15 include the following:

16 “(1) Establishment of targeted internships and
17 cooperative research opportunities in computer
18 science and cybersecurity at defense laboratories and
19 other technical centers for students in and instruc-
20 tors of the Junior Reserve Officers' Training Corps.

21 “(2) Funding for training and other supports
22 for instructors to teach evidence-based courses in
23 computer science and cybersecurity to students.

24 “(3) Efforts and activities that improve the
25 quality of cybersecurity and computer science edu-

1 cational, training opportunities, and curricula for
2 students and instructors.

3 “(4) Development of travel opportunities, dem-
4 onstrations, mentoring programs, and informal com-
5 puter science and cybersecurity education for stu-
6 dents and instructors.

7 “(d) METRICS.—The Secretary shall establish out-
8 come-based metrics and internal and external assessments
9 to evaluate the merits and benefits of activities conducted
10 under the program with respect to the needs of the De-
11 partment of Defense.

12 “(e) AUTHORITIES.—In carrying out the program,
13 the Secretary shall, to the maximum extent practicable,
14 make use of the authorities under section 2193b, chapter
15 111, and sections 2601, 2605, and 2374a of this title, sec-
16 tion 219 of the Duncan Hunter National Defense Author-
17 ization Act for Fiscal Year 2009 (Public Law 110–417;
18 10 U.S.C. 2358 note), and other authorities the Secretary
19 determines appropriate.

20 “(f) REPORT.—Not later than two years after the
21 date of the enactment of the National Defense Authoriza-
22 tion Act for Fiscal Year 2020, the Secretary shall submit
23 to the Committees on Armed Services of the Senate and
24 the House of Representatives a report on activities carried
25 out under the program.”.

1 **SEC. 517. PROGRAMS OF SCHOLARSHIPS FOR MEMBERS OF**
2 **JUNIOR RESERVE OFFICERS' TRAINING**
3 **CORPS UNITS TOWARD OBTAINING PRIVATE**
4 **PILOT'S CERTIFICATES.**

5 (a) PROGRAMS AUTHORIZED.—Each Secretary of a
6 military department may carry out a program to award
7 scholarships to qualified members of units of the Junior
8 Reserve Officers' Training Corps under the jurisdiction of
9 such Secretary to assist such members in obtaining a pri-
10 vate pilot's certificate through an institution of higher
11 education with an accredited aviation program that is ap-
12 proved by such Secretary pursuant to subsection (c).

13 (b) MEMBER QUALIFICATIONS.—

14 (1) IN GENERAL.—In carrying out a program
15 under subsection (a), the Secretary of a military de-
16 partment shall prescribe the standards to be met by
17 members of units of the Junior Reserve Officers'
18 Training Corps under the jurisdiction of such Sec-
19 retary to be eligible for the award of a scholarship
20 under the program.

21 (2) UNIFORMITY ACROSS MILITARY DEPART-
22 MENTS.—To the extent practicable, the standards
23 prescribed under this subsection shall be uniform
24 across the military departments.

25 (c) APPROVED INSTITUTIONS OF HIGHER EDU-
26 CATION.—

1 (1) IN GENERAL.—In carrying out a program
2 under subsection (a), the Secretary of a military de-
3 partment shall maintain a list of institutions of high-
4 er education (as that term is defined in section 101
5 of the Higher Education Act of 1965 (20 U.S.C.
6 1001)) at which a scholarship awarded under the
7 program may be used toward obtaining a private pi-
8 lot’s certificate.

9 (2) QUALIFICATIONS AND STANDARDS.—Any
10 institution of higher education included on a list
11 under this subsection, and any course of instruction
12 toward obtaining a private pilot’s certificate offered
13 by such institution, shall meet such qualifications
14 and standards as the Secretary shall prescribe for
15 purposes of the program. Such qualifications and
16 standards shall include a requirement that any insti-
17 tution included on the list award academic credit at
18 such institution to any member awarded a scholar-
19 ship under the program for work (whether or not
20 fully completed) on the ground school course of in-
21 struction of such institution in connection with ob-
22 taining a private pilot’s certificate.

23 (d) SCHOLARSHIP.—

24 (1) AMOUNT.—The amount of the scholarship
25 awarded a member of a Junior Reserve Officers’

1 Training Corps under a program under subsection
2 (a) shall be such amount as the Secretary of the
3 military department concerned considers appropriate
4 to defray, whether in whole or in part, the charges
5 and fees of a course of instruction toward obtaining
6 a private pilot's certificate offered by the institution
7 of higher education to be attended by the member
8 in obtaining the certificate.

9 (2) USE.—A scholarship awarded a member
10 under a program may be used by the member only
11 to defray the charges and fees of an institution of
12 higher education for a course of instruction toward
13 obtaining a private pilot's certificate.

14 (3) MAINTENANCE OF MEMBERSHIP.—A schol-
15 arship awarded an individual under a program may
16 be used by the individual only while the individual
17 maintains membership in a unit of a Junior Reserve
18 Officers' Training Corps.

19 (e) ANNUAL REPORTS ON PROGRAMS.—

20 (1) IN GENERAL.—Not later than February 28,
21 2021, and each year thereafter, each Secretary of a
22 military department shall submit to Congress a re-
23 port on the program, if any, carried out by such
24 Secretary during the preceding calendar year.

1 (2) ELEMENTS.—Each report under paragraph
2 (1) shall include, for the program and year covered
3 by such report, the following:

4 (A) The number of scholarships awarded.

5 (B) The total amount of scholarships
6 awarded.

7 (C) The work undertaken through such
8 scholarships, including the number of recipients
9 who fully completed a ground school course of
10 instruction in connection with obtaining a pri-
11 vate pilot’s certificate.

12 (f) ASSESSMENT OF RELATED PILOT PROGRAM.—

13 (1) IN GENERAL.—Not later than 180 days
14 after the date of the enactment of this Act, the Sec-
15 retary of Defense shall submit to Congress a report
16 setting forth the results of an assessment, conducted
17 by the study group described in paragraph (2) for
18 purposes of the report, of the pilot program con-
19 ducted by the Air Force in 2018 and 2019 known
20 as the “Air Force JROTC Flight Academy, Chief of
21 Staff Private Pilot Scholarship Program”.

22 (2) STUDY GROUP.—The study group described
23 in this paragraph shall include the following:

24 (A) A representative of the Department of
25 Defense, selected by the Secretary of Defense.

1 (B) A representative of the headquarters
2 of the Air Force Junior Reserve Officers'
3 Training Corps with experience with the pilot
4 program, selected by the Secretary of the Air
5 Force.

6 (C) In addition to the representative under
7 subparagraph (B), a representative of each
8 military department, selected by the Secretary
9 of such military department.

10 (D) A representative of the Department of
11 Transportation, selected by the Secretary of
12 Transportation.

13 (E) A representative of the Department of
14 Education, selected by the Secretary of Edu-
15 cation.

16 (F) Representatives of such private organi-
17 zations and entities as the Secretary of Defense
18 considers appropriate.

19 (3) ELEMENTS.—The assessment required by
20 paragraph (1) shall identify best practices in assist-
21 ing members of the Junior Reserve Officers' Train-
22 ing Corps in obtaining a private pilot's certificate
23 through institutions of higher education, including
24 the most appropriate funding mechanisms for such
25 practices.

1 **SEC. 518. SENSE OF CONGRESS REGARDING JUNIOR RE-**
2 **SERVE OFFICERS' TRAINING CORPS.**

3 It is the sense of Congress that—

4 (1) the Junior Reserve Officers' Training Corps
5 (referred to in this section as “JROTC”) contributes
6 to an enhanced sense of pride in our Nation and in
7 the members of the Armed Forces who serve;

8 (2) JROTC develops a culture dedicated to
9 service of our great land and reinforces duty, honor
10 and courage;

11 (3) the Nation has been steadily depending on
12 a smaller and smaller minority of the population to
13 fight its wars and protect its borders;

14 (4) this dwindling population risks the long-
15 term security of our Nation and the freedoms it pro-
16 vides;

17 (5) JROTC operates in all 50 States and con-
18 tributes to better grades and graduation rates; and

19 (6) JROTC was supported in the John S.
20 McCain National Defense Authorization Act for Fis-
21 cal Year 2019 (Public Law 115–232) and should be
22 increased in fiscal year 2020, including at least
23 3,700 JROTC units nationwide.

24 **SEC. 519. SENSE OF CONGRESS REGARDING THE NATIONAL**
25 **GUARD YOUTH CHALLENGE PROGRAM.**

26 It is the sense of Congress that—

1 (1) the National Guard Youth Challenge Pro-
2 gram provides a vital service to at-risk youth by pro-
3 viding life-changing mentorship, developing self-dis-
4 cipline, and providing education in valuable skills;
5 and

6 (2) the Secretary of Defense should use the au-
7 thority provided under section 509(h)(2) of title 32,
8 United States Code, to allow Department of Defense
9 equipment and facilities to be used by the National
10 Guard to maximize the support of the Department
11 for the Youth Challenge Program.

12 **Subtitle C—General Service Au-**
13 **thorities and Correction of Mili-**
14 **tary Records**

15 **SEC. 521. ESTABLISHMENT OF BOARD OF APPEALS RE-**
16 **GARDING DENIED REQUESTS FOR UPGRADED**
17 **DISCHARGES AND DISMISSALS.**

18 (a) ESTABLISHMENT.—Chapter 79 of title 10,
19 United States Code, is amended by inserting after section
20 1553 the following new section 1553a:

21 **“§ 1553a. Board of Discharge Appeals**

22 “(a) ESTABLISHMENT.—(1) The Secretary of De-
23 fense shall establish a Board of Discharge Appeals to hear
24 appeals of requests for upgraded discharges and dismiss-

1 sals under section 1553 of this title that are denied by
2 the service review agencies.

3 “(2) The Board of Discharge Appeals shall consist
4 of not fewer than three members appointed by the Sec-
5 retary.

6 “(b) APPEAL.—(1) Upon the request of an appellant,
7 the Board of Discharge Appeals shall review the findings
8 and decisions of a service review agency regarding the re-
9 view of the discharge or dismissal of the appellant.

10 “(2) The Board of Discharge Appeals may direct the
11 Secretary of the military department concerned to change
12 the discharge or dismissal of an appellant, or issue a new
13 discharge for an appellant, to reflect its findings.

14 “(c) DEFINITIONS.—In this section:

15 “(1) The term ‘appellant’ means a former mem-
16 ber of the armed forces (or if the former member is
17 dead, the surviving spouse, next of kin, or legal rep-
18 resentative of the former member) whose request for
19 an upgraded discharge or dismissal was denied by a
20 service review agency.

21 “(2) The term ‘service review agency’ has the
22 meaning given that term in section 1555 of this
23 title.”.

24 (b) TECHNICAL AND CONFORMING AMENDMENTS.—

1 (1) TABLE OF SECTIONS.—The table of sections
2 at the beginning of such chapter is amended by in-
3 serting after the item relating to section 1553 the
4 following new item:

“1553a. Board of Discharge Appeals.”.

5 (2) CONFORMING AMENDMENT.—Section
6 1553(b) of title 10, United States Code, is amend-
7 ed—

8 (A) by inserting “(1)” before “A board”;
9 and

10 (B) by adding at the end the following new
11 paragraph:

12 “(2) If a board of review established by the Secretary
13 of a military department denies a request for an upgraded
14 discharge or dismissal, that denial may be appealed to the
15 Board of Discharge Appeals under section 1553a of this
16 title.”.

17 (c) DEADLINE.—The Secretary of Defense shall es-
18 tablish and implement the Board of Discharge Appeals
19 under such section 1553a of title 10, United States Code,
20 as added by subsection (a), not later than September 30,
21 2020.

22 (d) TRAINING.—Each member of the Board of Dis-
23 charge Appeals established under such section 1553a shall
24 receive training under section 534(c) of the National De-

1 fense Authorization Act for Fiscal Year 2017 (Public Law
2 114–328; 10 U.S.C. 1552 note).

3 (e) REPORTING.—

4 (1) REPORT.—Not later than April 1, 2021, the
5 Secretary of Defense shall submit to the Committees
6 on Armed Services of the Senate and the House of
7 Representatives a report regarding the Board of
8 Discharge Appeals established under such section
9 1553a. The report shall include, with respect to ap-
10 peals heard by the Board of Discharge Appeals since
11 implementation, the following:

12 (A) The number of appeals heard.

13 (B) The number of appeals granted.

14 (C) The number of appeals denied, includ-
15 ing the reasons for such denials.

16 (D) A summary of any differences between
17 reviews under section 1553 of title 10, United
18 States Code, and appeals under section 1553a
19 of such title.

20 (2) ONLINE PUBLICATION.—On October 1 of
21 each year starting in 2022, the Secretary shall pub-
22 lish online the information described in subpara-
23 graphs (A), (B), and (C) of paragraph (1) with re-
24 gards to the preceding fiscal year.

1 **SEC. 522. PROHIBITION ON REDUCTION IN THE NUMBER OF**
2 **PERSONNEL ASSIGNED TO DUTY WITH A**
3 **SERVICE REVIEW AGENCY.**

4 (a) PROHIBITION.—Section 1559(a) of title 10,
5 United States Code, is amended—

6 (1) by striking “December 31, 2019” and in-
7 serting “December 31, 2025”;

8 (2) by striking “that agency until—” and in-
9 serting “that agency.”; and

10 (3) by striking subsections (1) and (2).

11 (b) REPORT.—

12 (1) REPORT REQUIRED.—Not later than 180
13 days after the enactment of this Act, the Secretary
14 of each military department shall submit a report to
15 the Committees on Armed Services of the Senate
16 and House of Representatives that details a plan
17 to—

18 (A) reduce the backlog of applications be-
19 fore the service review agency of the military
20 department concerned; and

21 (B) maintain the resources required to
22 meet the timeliness standards for disposition of
23 applications before the Corrections Boards
24 under section 1557 of title 10, United States
25 Code, not later than October 1, 2021.

1 (2) ELEMENTS.—Each report under this sub-
2 section shall include the following:

3 (A) A description of the current backlog of
4 applications before the service review agency of
5 the military department concerned.

6 (B) The number of personnel required to
7 meet the deadline described in paragraph
8 (1)(B).

9 (C) The plan of the Secretary concerned to
10 modernize the application and review system of
11 the service review agency of the military depart-
12 ment concerned.

13 **SEC. 523. ADVISORY COMMITTEE ON RECORD AND SERVICE**
14 **REVIEW BOARDS.**

15 (a) ESTABLISHMENT.—Not later than 180 days after
16 the date of the enactment of this Act, the Secretary of
17 Defense shall establish a Department of Defense Advisory
18 Committee to be known as the “Defense Advisory Com-
19 mittee on Record and Upgrade Review Boards” (in this
20 section referred to as the “Advisory Committee”).

21 (b) MEMBERSHIP.—

22 (1) IN GENERAL.—The Advisory Committee
23 shall consist of not more than 15 members ap-
24 pointed by the Secretary of Defense, eight of whom
25 shall be civilian practitioners or representatives of

1 organizations that have experience assisting mem-
2 bers of the Armed Forces and veterans with cases
3 before service review boards (as that term is defined
4 in section 1555 of title 10, United States Code).

5 (2) MEMBERS OF THE ARMED FORCES ON AC-
6 TIVE DUTY INELIGIBLE.—A member of the Armed
7 Forces serving on active duty may not serve as a
8 member of the Advisory Committee.

9 (c) PERSONNEL.—

10 (1) EXPERIENCE REQUIRED.—At least 35 per-
11 cent of members of the staff of the Advisory Com-
12 mittee shall have experience described in subsection
13 (b)(1).

14 (2) DIRECTOR; ASSISTANT DIRECTOR.—The di-
15 rector and assistant director of the Advisory Com-
16 mittee may not both be members of the Armed
17 Forces serving on active duty.

18 (3) STAFF.—Not more than 65 percent of the
19 staff of the Advisory Committee may be comprised
20 of members of the Armed Forces serving on active
21 duty.

22 (d) DUTIES.—The Advisory Committee shall advise
23 the Secretary of Defense on the best structure, practices,
24 and procedures to ensure consistency of boards for the
25 correction of military records and service review boards

1 in carrying out their responsibilities under chapter 79 of
2 title 10, United States Code, and in granting relief to
3 claimants under that chapter.

4 (e) ANNUAL REPORT.—Not later than one year after
5 the date of the establishment of the Advisory Committee
6 and annually thereafter for the three subsequent years,
7 the Advisory Committee shall submit to the Secretary of
8 Defense and the congressional defense committees a re-
9 port containing observations and recommendations re-
10 garding issues of board operations and efficacy, includ-
11 ing—

12 (1) granting relief at adequate rates;

13 (2) adhering to the intent of Congress, includ-
14 ing regarding liberal consideration;

15 (3) standards for evidence, training experience
16 and qualifications of board members;

17 (4) efficacy of efforts to ensure consistency
18 across boards;

19 (5) case management and record keeping sys-
20 tems, including electronic access to board prece-
21 dents;

22 (6) ease of personal appearances by claimants;

23 (7) expert review of medical and psychiatric
24 cases; and

1 (8) related potential structural changes or alter-
2 native board models.

3 (f) TERMINATION.—The Advisory Committee shall
4 terminate on the date that is four years after the date
5 of establishment under subsection (a).

6 (g) AUTHORITIES.—The Advisory Committee shall
7 have all normal authorities granted to advisory commit-
8 tees, including the ability for staff to request documents
9 from the Department of Defense, hold public hearings,
10 and travel in furtherance of the board mandate. The board
11 shall also be permitted, with assistance from personnel of
12 the Department of Defense, to administer surveys and
13 conduct field experiments to assess the viability of dif-
14 ferent policy options considered in the course of the activi-
15 ties of the Advisory Committee.

16 **SEC. 524. TIME REQUIREMENTS FOR CERTIFICATION OF**
17 **HONORABLE SERVICE.**

18 Upon the submission to the Secretary of a military
19 department or a designated commissioned officer serving
20 in the pay grade O-6 or higher by a member of the Armed
21 Forces of a completed United States Citizenship and Im-
22 migration Services Form N-426, the Secretary or the Of-
23 ficer shall—

24 (1) in the case of a member of the Armed
25 Forces who has served or is serving honorably on ac-

1 tive duty, provide certification that the nature of the
2 member's service has been honorable by not later
3 than five days from receiving the form;

4 (2) in the case of a member of the Armed
5 Forces who has served or is serving honorably in a
6 Reserve Component of the Armed Forces, provide
7 such certification by not later than three weeks from
8 receiving the form; and

9 (3) in the case of a member of the Armed
10 Forces whose service has been other than honorable,
11 provide to the member notice that a certification of
12 honorable service will not be provided and justifica-
13 tion for why such certification will not be provided—

14 (A) in the case of a member who has
15 served or is serving on active duty, by not later
16 than five days from receiving the form; and

17 (B) in the case of a member who has
18 served or is serving in a Reserve Component, by
19 not later than three weeks from receiving the
20 form.

1 **SEC. 525. PROHIBITION ON IMPLEMENTATION OF MILI-**
2 **TARY SERVICE SUITABILITY DETERMINA-**
3 **TIONS FOR FOREIGN NATIONALS WHO ARE**
4 **LAWFUL PERMANENT RESIDENTS.**

5 The Secretary of Defense may not take any action
6 to implement the memorandum titled “Military Service
7 Suitability Determinations for Foreign Nationals Who Are
8 Lawful Permanent Residents”, issued by the Secretary
9 and dated October 13, 2017, until the Secretary reports
10 to the congressional defense committees the justification
11 for the policy changes required by such memorandum.

12 **SEC. 526. STRATEGIC PLAN FOR DIVERSITY AND INCLU-**
13 **SION.**

14 (a) **PLAN REQUIRED.**—The Secretary of Defense
15 shall design and implement a five-year strategic plan for
16 diversity and inclusion in the Department of Defense.

17 (b) **ELEMENTS.**—The strategic plan under this sec-
18 tion—

19 (1) shall be based on the strategic plan estab-
20 lished under section 2 of Executive Order 13583 (3
21 Fed. Reg. 13583 (August 18, 2011));

22 (2) shall incorporate existing efforts to promote
23 diversity and inclusion within the Department; and

24 (3) may not conflict with the objectives of the
25 2018 National Military Strategy.

1 (c) DEADLINE.—The Secretary shall implement the
2 strategic plan under this section on January 1, 2020.

3 **SEC. 527. INDEPENDENT STUDY ON BARRIERS TO ENTRY**
4 **INTO THE ARMED FORCES FOR ENGLISH**
5 **LEARNERS.**

6 (a) INDEPENDENT STUDY.—Not later than 30 days
7 after the date of the enactment of this Act, the Secretary
8 of Defense shall seek to enter into a contract with
9 a federally funded research and development center under
10 which the center will conduct a study on barriers to entry
11 into the Armed Forces for English learners.

12 (b) ELEMENTS.—The study under subsection (a)
13 shall—

14 (1) identify barriers to entry into the Armed
15 Forces for English learners, including—

16 (A) challenges with military recruiters and
17 language proficiency;

18 (B) challenges with the assessment of po-
19 tential recruits, including the construction and
20 delivery of and testing time constraints related
21 to the Armed Services Vocational Aptitude Bat-
22 tery;

23 (C) challenges with dissemination of re-
24 cruiting information; and

1 (D) any other challenges that may be iden-
2 tified by the federally funded research and de-
3 velopment center in the course of the study;

4 (2) the effect of such barriers on—

5 (A) the number of interactions recruiters
6 have with English learners;

7 (B) the enlistment rate among populations
8 of English learners; and

9 (C) any other effects that may be identi-
10 fied by the federally funded research and devel-
11 opment center in the course of the study;

12 (3) an analysis of existing efforts and programs
13 to remove barriers to entry into the Armed Forces
14 for English learners, including an analysis of the
15 scalability and sustainability of such efforts and pro-
16 grams; and

17 (4) additional opportunities to address such
18 barriers, including alternative assessments and
19 Armed Services Vocational Aptitude Battery prepa-
20 ration programs for English learners.

21 (c) SUBMITTAL TO DEPARTMENT OF DEFENSE.—

22 Not later than 270 days after the date of the enactment
23 of this Act, the federally funded research and development
24 that conducts the study under subsection (a) shall submit

1 to the Secretary of Defense a report on the results of the
2 study.

3 (d) SUBMITTAL TO CONGRESS.—Not later than 30
4 days after the date on which the Secretary of Defense re-
5 ceives the report under subsection (c), the Secretary shall
6 submit to the congressional defense committees an
7 unaltered copy of the report and any comments of the Sec-
8 retary with respect to the report.

9 (e) ENGLISH LEARNER DEFINED.—In this section,
10 the term “English learner” has the meaning given that
11 term in section 8101 of the Elementary and Secondary
12 Education Act of 1965 (20 U.S.C. 7801).

13 **SEC. 528. REENLISTMENT WAIVERS FOR PERSONS SEPA-**
14 **RATED FROM THE ARMED FORCES WHO COM-**
15 **MIT ONE MISDEMEANOR CANNABIS OFFENSE.**

16 (a) IN GENERAL.—Not later than 90 days after the
17 date of the enactment of this Act, the Secretary of Defense
18 shall prescribe regulations that permit any Secretary of
19 a military department to grant a reenlistment waiver to
20 a covered person if the Secretary determines that the reen-
21 listment of that covered person is vital to the national in-
22 terest.

23 (b) DEFINITIONS.—In this section:

24 (1) The term “covered person” means an indi-
25 vidual—

1 (A) who has separated from the Armed
2 Forces; and

3 (B) who has admitted to or been convicted
4 by a court of competent jurisdiction of a single
5 violation—

6 (i) of any law of a State or the United
7 States relating to the use or possession of
8 cannabis;

9 (ii) that constitutes a misdemeanor;
10 and

11 (iii) that occurred while that indi-
12 vidual was not on active service in the
13 Armed Forces.

14 (2) The terms “active service” and “military
15 department” have the meanings given such terms in
16 section 101 of title 10, United States Code.

17 **SEC. 529. SENSE OF CONGRESS REGARDING ACCESSION**
18 **PHYSICALS.**

19 (a) FINDINGS.—Congress finds the following:

20 (1) United States Military Entrance Processing
21 Command (“USMEPCOM”) operates 65 Military
22 Entrance Processing Stations (“MEPS”) dispersed
23 throughout the 50 States and Puerto Rico.

24 (2) Applicants for accession into the Armed
25 Forces must travel to the closest MEPS to receive

1 physical examinations, are often driven by a military
2 recruiter, and receive lodging at a nearby hotel, paid
3 for by the Armed Force represented by that re-
4 cruitter.

5 (3) In 2015, USMEPCOM reported that
6 473,000 applicants from the military and other
7 agencies processed through the 65 MEPS, for a
8 total of 931,000 MEPS visits.

9 (4) Section 1703 of title 38, United States
10 Code, authorizes the Secretary of Veterans Affairs
11 to enter into contracts with private health care pro-
12 viders for physical examinations.

13 (b) SENSE OF CONGRESS.—It is the sense of Con-
14 gress that the Secretary of Defense should explore alter-
15 natives to centralized accession physicals at MEPS, in-
16 cluding conducting physicals through community health
17 care providers, in order to reduce transportation costs, in-
18 crease efficiency in processing times, and free recruiters
19 to focus on the core of the recruiting mission.

20 **Subtitle D—Military Justice**

21 **SEC. 531. COMMAND INFLUENCE.**

22 (a) IN GENERAL.—Section 837 of title 10, United
23 States Code (article 37 of the Uniform Code of Military
24 Justice), is amended—

1 (1) by striking “**Unlawfully influencing**
2 **action of court**” and inserting “**Command in-**
3 **fluence**”;

4 (2) by amending subsection (a) to read as fol-
5 lows:

6 “(a)(1) No court-martial convening authority, nor
7 any other commanding officer, may censure, reprimand,
8 or admonish the court or any member, military judge, or
9 counsel thereof, with respect to the findings or sentence
10 adjudged by the court, or with respect to any other exer-
11 cise of its or his functions in the conduct of the pro-
12 ceeding.

13 “(2) No court-martial convening authority, nor any
14 other commanding officer, may deter or attempt to deter
15 a potential witness from participating in the investigatory
16 process or testifying at a court-martial. The denial of a
17 request to travel at government expense or refusal to make
18 a witness available shall not by itself constitute unlawful
19 command influence.

20 “(3) No person subject to this chapter may attempt
21 to coerce or, by any unauthorized means, attempt to influ-
22 ence the action of a court-martial or any other military
23 tribunal or any member thereof, in reaching the findings
24 or sentence in any case, or the action of any convening,
25 approving, or reviewing authority or preliminary hearing

1 officer with respect to such acts taken pursuant to this
2 chapter as prescribed by the President.

3 “(4) Paragraphs (1) through (3) shall not apply with
4 respect to—

5 “(A) general instructional or informational
6 courses in military justice if such courses are de-
7 signed solely for the purpose of instructing members
8 of a command in the substantive and procedural as-
9 pects of courts-martial;

10 “(B) statements regarding criminal activity or a
11 particular criminal offense that do not advocate a
12 particular disposition, or a particular court-martial
13 finding, or sentence; or

14 “(C) statements and instructions given in open
15 court by the military judge or counsel.

16 “(5)(A) Notwithstanding paragraphs (1) through (3),
17 but subject to subparagraph (B)—

18 “(i) a superior convening authority or officer
19 may generally discuss matters to consider regarding
20 the disposition of alleged violations of this chapter
21 with a subordinate convening authority or officer;
22 and

23 “(ii) a subordinate convening authority or offi-
24 cer may seek advice from a superior convening au-

1 thority or officer regarding the disposition of an al-
2 leged offense under this chapter.

3 “(B) No superior convening authority or officer may
4 direct a subordinate convening authority or officer to
5 make a particular disposition in a specific case or other-
6 wise substitute the discretion of such authority or such
7 officer for that of the subordinate convening authority or
8 officer.”;

9 (3) in subsection (b)—

10 (A) by striking “advanced, in grade” and
11 inserting “advanced in grade”; and

12 (B) by striking “accused before a court-
13 martial” and inserting “person in a court-mar-
14 tial proceeding”; and

15 (4) by adding at the end the following new sub-
16 sections:

17 “(c) No finding or sentence of a court-martial may
18 be held incorrect on the ground of a violation of this sec-
19 tion unless the violation materially prejudices the substan-
20 tial rights of the accused.

21 “(d)(1) A superior convening authority or com-
22 manding officer may withhold the authority of a subordi-
23 nate convening authority or officer to dispose of offenses
24 in individual cases, types of cases, or generally.

1 “(2) Except as provided in paragraph (1) or as other-
2 wise authorized by this chapter, a superior convening au-
3 thority or commanding officer may not limit the discretion
4 of a subordinate convening authority or officer to act with
5 respect to a case for which the subordinate convening au-
6 thority or officer has authority to dispose of the offenses.”.

7 (b) CLERICAL AMENDMENT.—The table of sections
8 at the beginning subchapter VII of chapter 47 of title 10,
9 United States Code (the Uniform Code of Military Jus-
10 tice), is amended by striking the item relating to section
11 837 (article 37) and inserting the following new item:

“837. Art. 37. Command influence.”.

12 (c) EFFECTIVE DATE.—The amendments made by
13 subsections (a) and (b) shall take effect on the date of
14 the enactment of this Act and shall apply with respect to
15 violations of section 837 of title 10, United States Code
16 (article 37 of the Uniform Code of Military Justice), com-
17 mitted on or after such date.

18 **SEC. 532. STATUTE OF LIMITATIONS FOR CERTAIN OF-**
19 **FENSES.**

20 (a) IN GENERAL.—Section 843 of title 10, United
21 States Code (article 43 of the Uniform Code of Military
22 Justice), is amended—

23 (1) in subsection (a), by inserting “maiming of
24 a child, kidnapping of a child,” after “sexual assault
25 of a child,”; and

1 (2) in subsection (b)(2)(B)—
2 (A) by striking clauses (ii) and (iv); and
3 (B) by redesignating clause (iii) as clause
4 (ii).

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 and shall apply with respect to the pros-
8 ecution of offenses committed before, on, or after the date
9 of the enactment of this Act if the applicable limitation
10 period has not yet expired.

11 **SEC. 533. GUIDELINES ON SENTENCES FOR OFFENSES**
12 **COMMITTED UNDER THE UNIFORM CODE OF**
13 **MILITARY JUSTICE.**

14 (a) **GUIDELINES REQUIRED.**—Not later than the
15 date specified in subsection (c), the Secretary of Defense
16 shall establish nonbinding guidelines on sentences for of-
17 fenses under chapter 47 of title 10, United States Code
18 (the Uniform Code of Military Justice). The guidelines
19 shall provide the sentencing authority with a suggested
20 range of punishments, including suggested ranges of con-
21 finement, that will generally be appropriate for a violation
22 of each offense under such chapter.

23 (b) **SENTENCING DATA.**—In developing the guide-
24 lines for sentences under subsection (a), the Secretary of
25 Defense shall take into account the sentencing data col-

1 lected by the Military Justice Review Panel pursuant to
2 section 946(f)(2) of title 10, United States Code (article
3 146(f)(2) of the Uniform Code of Military Justice).

4 (c) DATE SPECIFIED.—The date specified in this
5 subsection is the date that is not later than one year after
6 the date on the which the first report of the Military Jus-
7 tice Review Panel is submitted to the Committees on
8 Armed Services of the Senate and the House of Represent-
9 atives pursuant to section 946(f)(5) of title 10, United
10 States Code (article 146(f)(5) of the Uniform Code of
11 Military Justice).

12 **SEC. 534. EXPANSION OF RESPONSIBILITIES OF COM-**
13 **MANDERS FOR VICTIMS OF SEXUAL ASSAULT**
14 **COMMITTED BY ANOTHER MEMBER OF THE**
15 **ARMED FORCES.**

16 (a) NOTIFICATION OF VICTIMS OF EVENTS IN MILI-
17 TARY JUSTICE PROCESS.—

18 (1) NOTIFICATION REQUIRED.—The com-
19 mander of a member of the Armed Forces who is
20 the alleged victim of sexual assault committed by an-
21 other member of the Armed Forces shall provide no-
22 tification to such alleged victim of every key or other
23 significant event in the military justice process in
24 connection with the investigation, prosecution, and

1 confinement of such other member for sexual as-
2 sult.

3 (2) DOCUMENTATION.—Each commander de-
4 scribed in paragraph (1) shall create and maintain
5 appropriate documentation on any notification pro-
6 vided as described in that paragraph.

7 (b) DOCUMENTATION OF VICTIM'S PREFERENCE ON
8 JURISDICTION IN PROSECUTION.—In the case of a mem-
9 ber of the Armed Forces who is the alleged victim of sex-
10 ual assault committed by another member of the Armed
11 Forces who is subject to prosecution for such offense both
12 by court-martial under chapter 47 of title 10, United
13 States Code (the Uniform Code of Military Justice), and
14 by a civilian court under State law, the commander of such
15 alleged victim shall create and maintain appropriate docu-
16 mentation of the expressed preference, if any, of such al-
17 leged victim for prosecution of such offense by court-mar-
18 tial or by a civilian court as provided for by Rule 306(e)
19 of the Rules for Court-Martial.

20 (c) REGULATIONS.—The Secretary of Defense shall
21 prescribe in regulations the requirements applicable to
22 each of the following:

23 (1) Notifications under subsection (a)(1).

24 (2) Documentation under subsection (a)(2).

25 (3) Documentation under subsection (b).

1 **SEC. 535. INCREASE IN INVESTIGATIVE PERSONNEL AND**
2 **VICTIM WITNESS ASSISTANCE PROGRAM LI-**
3 **AISONS.**

4 (a) **MILITARY CRIMINAL INVESTIGATIVE SERV-**
5 **ICES.—**

6 (1) **MINIMUM STAFFING LEVEL.—**Not later
7 than one year after the date of the enactment of this
8 Act, the Secretary of each military department shall
9 ensure that the number of personnel assigned to the
10 military criminal investigative services of the depart-
11 ment is sufficient to ensure, to the extent prac-
12 ticable, that the investigation of any sex-related of-
13 fense is completed not later than six months after
14 the date on which the investigation is initiated.

15 (2) **STATUS REPORTS REQUIRED.—**Not later
16 than one year after the date of the enactment of this
17 Act, Secretary of each military department shall
18 issue guidance requiring that any criminal investi-
19 gator of the department who is assigned to inves-
20 tigate a sex-related offense submits a status report
21 to the direct supervisor of such investigator in the
22 event that the investigation of such offense exceeds
23 90 days in duration. Each status report shall in-
24 clude—

25 (A) a detailed explanation of the status of
26 the investigation;

1 (B) identification of any information that
2 has not yet been obtained but is necessary to
3 complete the investigation; and

4 (C) identification of any barriers pre-
5 venting the investigator from accessing such in-
6 formation.

7 (b) VICTIM WITNESS ASSISTANCE PROGRAM LIAI-
8 SONS.—Not later than one year after the date of the en-
9 actment of this Act, the Secretary of each military depart-
10 ment shall increase the number of personnel serving as
11 Victim Witness Assistance Program liaisons to address
12 personnel shortages in the Victim Witness Assistance Pro-
13 gram.

14 **SEC. 536. INCREASE IN NUMBER OF DIGITAL FORENSIC EX-**
15 **AMINERS FOR THE MILITARY CRIMINAL IN-**
16 **VESTIGATION ORGANIZATIONS.**

17 (a) IN GENERAL.—Each Secretary of a military de-
18 partment shall take appropriate actions to increase the
19 number of digital forensic examiners in each military
20 criminal investigation organization (MCIO) under the ju-
21 risdiction of such Secretary by not fewer than 10 from
22 the authorized number of such examiners for such organi-
23 zation as of September 30, 2019.

1 (b) MILITARY CRIMINAL INVESTIGATION ORGANIZA-
2 TIONS.—For purposes of this section, the military criminal
3 investigation organizations are the following:

4 (1) The Army Criminal Investigation Com-
5 mand.

6 (2) The Naval Criminal Investigative Service.

7 (3) The Air Force Office of Special Investiga-
8 tions.

9 (4) The Marine Corps. Criminal Investigation
10 Division.

11 (c) FUNDING.—Funds for additional digital forensic
12 examiners as required by subsection (a) for fiscal year
13 2020, including for compensation, initial training, and
14 equipment, shall be derived from amounts authorized to
15 be appropriated for that fiscal year for the Armed Force
16 concerned for operation and maintenance.

17 **SEC. 537. PILOT PROGRAMS ON DEFENSE INVESTIGATORS**
18 **IN THE MILITARY JUSTICE SYSTEM.**

19 (a) IN GENERAL.—Each Secretary of a military de-
20 partment shall carry out a pilot program on defense inves-
21 tigators within the military justice system under the juris-
22 diction of such Secretary in order to do the following:

23 (1) Determine whether the presence of defense
24 investigators within such military justice system
25 will—

1 (A) make such military justice system
2 more effective in providing an effective defense
3 for the accused; and

4 (B) make such military justice system
5 more fair and efficient.

6 (2) Otherwise assess the feasibility and advis-
7 ability of defense investigators as an element of such
8 military justice system.

9 (b) ELEMENTS.—

10 (1) INTERVIEW OF VICTIM.—A defense investi-
11 gator may question a victim under a pilot program
12 only upon a request made through the Special Vic-
13 tims' Counsel or other counsel if the victim does not
14 have such counsel.

15 (2) UNIFORMITY ACROSS MILITARY JUSTICE
16 SYSTEMS.—The Secretary of Defense shall ensure
17 that the personnel and activities of defense inves-
18 tigators under the pilot programs are, to the extent
19 practicable, uniform across the military justice sys-
20 tems of the military departments.

21 (c) REPORT.—

22 (1) IN GENERAL.—Not later than three years
23 after the date of the enactment of this Act, the Sec-
24 retary of Defense shall, in consultation with the Sec-
25 retaries of the military departments, submit to the

1 Committees on Armed Services of the Senate and
2 the House of Representatives a report on the pilot
3 programs under subsection (a).

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

6 (A) A description of each pilot program,
7 including the personnel and activities of defense
8 investigators under such pilot program.

9 (B) An assessment of the feasibility and
10 advisability of establishing and maintaining de-
11 fense investigators as an element of the military
12 justice systems of the military departments.

13 (C) If the assessment under subparagraph
14 (B) is that the establishment and maintenance
15 of defense investigators as an element of the
16 military justice systems of the military depart-
17 ments is feasible and advisable, such rec-
18 ommendations for legislative and administrative
19 action as the Secretary of Defense considers ap-
20 propriate to establish and maintain defense in-
21 vestigators as an element of the military justice
22 systems.

23 (D) Any other matters the Secretary of
24 Defense considers appropriate.

1 **SEC. 538. PILOT PROGRAM ON PROSECUTION OF SPECIAL**
2 **VICTIM OFFENSES COMMITTED BY**
3 **ATTENDEES OF MILITARY SERVICE ACAD-**
4 **EMIES.**

5 (a) PILOT PROGRAM.—Beginning not later than Jan-
6 uary 1, 2020, the Secretary of Defense shall carry out a
7 pilot program (referred to in this section as the “Pilot
8 Program”) under which the Secretary shall establish, in
9 accordance with this section, an independent authority
10 to—

11 (1) review each covered special victim offense;

12 and

13 (2) determine whether such offense shall be re-
14 ferred to trial by an appropriate court-martial con-
15 vening authority.

16 (b) OFFICE OF THE CHIEF PROSECUTOR.—

17 (1) ESTABLISHMENT.—As part of the Pilot
18 Program, the Secretary shall establish, within the
19 Office of the Secretary of Defense, an Office of the
20 Chief Prosecutor.

21 (2) HEAD OF OFFICE.—The head of the Office
22 shall be known as the Chief Prosecutor. The Sec-
23 retary shall appoint as the Chief Prosecutor a com-
24 missioned officer in the grade of O–7 or above
25 who—

1 (A) has significant experience prosecuting
2 sexual assault trials by court-martial; and

3 (B) is outside the chain of command of
4 any cadet or midshipman described in sub-
5 section (f)(2).

6 (3) RESPONSIBILITIES.—The Chief Prosecutor
7 shall exercise the authorities described in subsection
8 (c) but only with respect to covered special victim of-
9 fenses.

10 (4) SPECIAL RULE.—Notwithstanding any other
11 provision of law, the military service from which the
12 Chief Prosecutor is appointed is authorized an addi-
13 tional billet for a general officer or a flag officer for
14 each year in the two year period beginning with the
15 year in which the appointment is made.

16 (5) TERMINATION.—The Office of the Chief
17 Prosecutor shall terminate on the date on which the
18 Pilot Program terminates under subsection (e).

19 (c) REFERRAL TO OFFICE OF THE CHIEF PROS-
20 ECUTOR.—

21 (1) INVESTIGATION PHASE.—

22 (A) NOTICE AND INFORMATION.—A mili-
23 tary criminal investigative organization that re-
24 ceives an allegation of a covered special victim
25 offense shall provide to the Chief Prosecutor

1 and the commander of the military service
2 academy concerned—

3 (i) timely notice of such allegation;

4 and

5 (ii) any information and evidence ob-
6 tained as the result a subsequent investiga-
7 tion into the allegation.

8 (B) TRIAL COUNSEL.—A trial counsel as-
9 signed to a case involving a covered special vic-
10 tim offense shall, during the investigative phase
11 of such case, provide the Chief Prosecutor with
12 the information necessary to enable the Chief
13 Prosecutor to make the determination required
14 under paragraph (3).

15 (2) REFERRAL TO CHIEF PROSECUTOR.—In the
16 case of a charge relating to a covered special victim
17 offense, in addition to referring the charge to the
18 staff judge advocate under subsection (a) or (b) of
19 section 834 of title 10, United States Code (article
20 34 of the Uniform Code of Military Justice), the
21 convening authority of the Armed Force of which
22 the accused is a member shall refer, as soon as rea-
23 sonably practicable, the charge to the Chief Pros-
24 ecutor to make the determination required by para-
25 graph (3).

1 (3) PROSECUTORIAL DETERMINATION.—The
2 Chief Prosecutor shall make a determination regard-
3 ing whether a charge relating to a covered special
4 victim offense shall be referred to trial. If the Chief
5 Prosecutor makes a determination that the charge
6 shall be tried by court-martial, the Chief Prosecutor
7 also shall determine whether the charge shall be
8 tried by a general court-martial convened under sec-
9 tion 822 of title 10, United States Code (article 22
10 of the Uniform Code of Military Justice) or a special
11 court-martial convened under section 823 of such
12 title (article 23 of the Uniform Code of Military Jus-
13 tice). The determination of whether to try a charge
14 relating to a covered special victim offense by court-
15 martial shall include a determination of whether to
16 try any known offenses, including any lesser in-
17 cluded offenses.

18 (4) EFFECT OF DETERMINATION AND APPEALS
19 PROCESS.—

20 (A) DETERMINATION TO PROCEED TO
21 TRIAL.—Subject to subparagraph (C) deter-
22 mination to try a charge relating to a covered
23 special victim offense by court-martial under
24 paragraph (3), and the determination as to the
25 type of court-martial, shall be binding on any

1 convening authority under chapter 47 of title
2 10, United States Code (the Uniform Code of
3 Military Justice) for a trial by court-martial on
4 the charge.

5 (B) DETERMINATION NOT TO PROCEED TO
6 TRIAL.—Subject to subparagraph (C) deter-
7 mination under paragraph (3) not to proceed to
8 trial on a charge relating to a covered special
9 victim offense by general or special court-mar-
10 tial shall be binding on any convening authority
11 under chapter 47 of title 10, United States
12 Code (the Uniform Code of Military Justice) ex-
13 cept that such determination shall not operate
14 to terminate or otherwise alter the authority of
15 the convening authority—

16 (i) to proceed to trial by court-martial
17 on charges of collateral misconducted re-
18 lated to the special victim offense; or

19 (ii) to impose non-judicial punishment
20 in connection with the conduct covered by
21 the charge as authorized by section 815 of
22 such title (article 15 of the Uniform Code
23 of Military Justice).

24 (C) APPEAL.—In a case in which a con-
25 vening authority and the staff judge advocate

1 advising such authority disagree with the deter-
2 mination of the Chief Prosecutor under para-
3 graph (3), the convening authority and staff
4 judge advocate may jointly appeal the deter-
5 mination to the General Counsel of the Depart-
6 ment of Defense. The determination of the Gen-
7 eral Counsel with respect to such appeal shall
8 be binding on the Chief Prosecutor and the con-
9 vening authority concerned.

10 (5) TRIAL BY RANDOMIZED JURY.—After the
11 Chief Prosecutor makes a determination under para-
12 graph (3) to proceed to trial on a charge relating to
13 a covered special victim offense, the matter shall be
14 tried by a court-martial convened within the Armed
15 Force of which the accused is a member in accord-
16 ance with the applicable provisions of chapter 47 of
17 title 10, United States Code (the Uniform Code of
18 Military Justice) except that, when convening a
19 court-martial that is a general or special court-mar-
20 tial involving a covered special victim offense in
21 which the accused elects a jury trial, the convening
22 authority shall detail members of the Armed Forces
23 as members thereof at random unless the
24 obtainability of members of the Armed Forces for

1 such court-martial prevents the convening authority
2 from detailing such members at random.

3 (6) UNLAWFUL INFLUENCE OR COERCION.—

4 The actions of the Chief Prosecutor under this sub-
5 section whether or not to try charges by court-mar-
6 tial shall be free of unlawful or unauthorized influ-
7 ence or coercion.

8 (d) EFFECT ON OTHER LAW.—This section shall su-
9 percede any provision of chapter 47 of title 10, United
10 States Code (the Uniform Code of Military Justice), that
11 is inconsistent with this section, but only to the extent of
12 the inconsistency.

13 (e) TERMINATION AND TRANSITION.—

14 (1) TERMINATION.—The authority of the Sec-
15 retary to carry out the Pilot Program shall termi-
16 nate four years after the date on which the Pilot
17 Program is initiated.

18 (2) TRANSITION.—The Secretary shall take
19 such actions as are necessary to ensure that, on the
20 date on which the Pilot Program terminates under
21 paragraph (1), any matter referred to the Chief
22 Prosecutor under subsection (c)(2), but with respect
23 to which the Chief Prosecutor has not made a deter-
24 mination under subsection (c)(3), shall be trans-

1 ferred to the appropriate convening authority for
2 consideration.

3 (f) DEFINITIONS.—In this section:

4 (1) The term “Armed Force” has the meaning
5 given that term in section 101(a)(4) of title 10,
6 United States Code.

7 (2) The term “covered special victim offense”
8 means a special victim offense—

9 (A) alleged to have been committed on or
10 after the date of the enactment of this Act by
11 a cadet of the United States Military Academy
12 or the United States Air Force Academy, with-
13 out regard to the location at which the offense
14 was committed; or

15 (B) alleged to have been committed on or
16 after the date of the enactment of this Act by
17 a midshipman of the United States Naval Acad-
18 emy, without regard to the location at which
19 the offense was committed.

20 (3) The term “Secretary” means the Secretary
21 of Defense.

22 (4) The term “special victim offense” means
23 any of the following:

24 (A) An offense under section 917a, 920,
25 920b, 920c, or 930 of title 10, United States

1 Code (article 117a, 120, 120b, 120c, or 130 of
2 the Uniform Code of Military Justice).

3 (B) A conspiracy to commit an offense
4 specified in subparagraph (A) as punishable
5 under section 881 of such title (article 81 of the
6 Uniform Code of Military Justice).

7 (C) A solicitation to commit an offense
8 specified in subparagraph (A) as punishable
9 under section 882 of such title (article 82 of the
10 Uniform Code of Military Justice).

11 (D) An attempt to commit an offense spec-
12 ified in subparagraph (A) as punishable under
13 section 880 of such title (article 80 of the Uni-
14 form Code of Military Justice).

15 **SEC. 539. TIMELY DISPOSITION OF NONPROSECUTABLE**
16 **SEX-RELATED OFFENSES.**

17 (a) **POLICY REQUIRED.**—Not later than 180 days
18 after the date of the enactment of this Act, the Secretary
19 of Defense shall develop and implement a policy to ensure
20 the timely disposition of nonprosecutable sex-related of-
21 fenses in accordance with subsection (b).

22 (b) **ELEMENTS.**—The policy developed under sub-
23 section (a) shall require the following:

24 (1) Not later than seven days after the date on
25 which a court-martial convening authority declines

1 to refer a nonprosecutable sex-related offense for
2 trial by general or special court-martial under chap-
3 ter 47 of title 10, United States Code (the Uniform
4 Code of Military Justice), the convening authority
5 will forward the investigation to the commander of
6 the accused.

7 (2) Not later than 90 days after the date on
8 which the commander of the accused receives the in-
9 vestigation under paragraph (1)—

10 (A) the commander will determine whether
11 or not to take other judicial, nonjudicial, or ad-
12 ministrative action in connection with the con-
13 duct covered by the investigation, including any
14 lesser included offenses, as authorized under
15 section 815 of title 10, United States Code (ar-
16 ticle 15 of the Uniform Code of Military Jus-
17 tice); and

18 (B) in a case in which the commander of
19 the accused decides to take additional action
20 under subparagraph (A), the commander take
21 such actions as appropriate.

22 (c) NONPROSECUTABLE SEX-RELATED OFFENSE
23 DEFINED.—In this section, the term “nonprosecutable
24 sex-related offense” means an alleged sex-related offense
25 (as that term is defined in section 1044e(g) of title 10,

1 United States Code) that a court-martial convening au-
2 thority has declined to refer for trial by a general or spe-
3 cial court-martial under chapter 47 of title 10, United
4 States Code (the Uniform Code of Military Justice) due
5 to a determination that there is insufficient evidence to
6 support prosecution of the sex-related offense.

7 **SEC. 540. TRAINING FOR SEXUAL ASSAULT INITIAL DIS-**
8 **POSITION AUTHORITIES ON EXERCISE OF**
9 **DISPOSITION AUTHORITY FOR SEXUAL AS-**
10 **SAULT AND COLLATERAL OFFENSES.**

11 (a) IN GENERAL.—The training for sexual assault
12 initial Disposition authorities on the exercise of disposition
13 authority under chapter 47 of title 10, United States Code
14 (the Uniform Code of Military Justice), with respect to
15 cases for which disposition authority is withheld to such
16 authorities by the April 20, 2012, memorandum of the
17 Secretary of Defense, or any successor memorandum, shall
18 include comprehensive training on the exercise by such au-
19 thorities of such authority with respect to such cases in
20 order to enhance the capabilities of such Authorities in
21 the exercise of such authority and thereby promote con-
22 fidence and trust in the military justice process with re-
23 spect to such cases.

24 (b) MEMORANDUM OF SECRETARY OF DEFENSE.—
25 The April 20, 2012, memorandum of the Secretary of De-

1 fense referred to in subsection (a) is the memorandum of
2 the Secretary of Defense entitled “Withholding Initial Dis-
3 position Authority Under the Uniform Code of Military
4 Justice in Certain Sexual Assault Cases” and dated April
5 20, 2012.

6 **Subtitle E—Other Legal Matters**

7 **SEC. 541. STANDARD OF EVIDENCE APPLICABLE TO INVESTIGATIONS AND REVIEWS RELATED TO PROTECTED COMMUNICATIONS OF MEMBERS OF THE ARMED FORCES AND PROHIBITED RETALIATORY ACTIONS.**

12 (a) STANDARD OF EVIDENCE.—Section 1034 of title
13 10, United States Code, is amended—

14 (1) in subsection (b)(1)(B)(ii), by striking “as
15 defined in subsection (i)” and inserting “as defined
16 in subsection (k)”;

17 (2) by redesignating subsections (i) and (j) as
18 subsections (j) and (k), respectively; and

19 (3) by inserting after subsection (h) the fol-
20 lowing new subsection (i):

21 “(i) STANDARD OF EVIDENCE.—A finding or other
22 determination made under any of subsections (c), (d), (g),
23 or (h) may be based on the standards of evidence specified
24 in section 1221(e) of title 5.”.

1 (b) APPLICABILITY.—The amendments made by sub-
2 section (a) shall not apply to members of the Coast Guard.

3 (c) EFFECTIVE DATE.—The amendments made by
4 subsection (a) shall take effect on the date that is 30 days
5 after the date of the enactment of this Act, and shall apply
6 with respect to allegations pending or submitted under
7 section 1034 of title 10, United States Code, on or after
8 that date.

9 **SEC. 542. EXPANSION OF SPECIAL VICTIMS' COUNSEL FOR**
10 **VICTIMS OF SEX-RELATED OR DOMESTIC VIO-**
11 **LENCE OFFENSES.**

12 (a) IN GENERAL.—Section 1044e of title 10, United
13 States Code, is amended—

14 (1) in the section heading, by striking “**sex-re-**
15 **lated**” and inserting “**sex-related or domestic**
16 **violence**”;

17 (2) by striking “alleged sex-related offense”
18 each place it appears and inserting “alleged sex-re-
19 lated offense or alleged domestic violence offense”;

20 (3) in subsection (a)—

21 (A) in paragraph (1), by striking “an indi-
22 vidual described in paragraph (2)” and insert-
23 ing “an individual described in paragraph (3)”;

24 (B) by redesignating paragraph (2) as
25 paragraph (3); and

1 (C) by inserting after paragraph (1) the
2 following new paragraph (2):

3 “(2) The Secretary concerned shall designate para-
4 legals (to be known as ‘Special Victims’ Counsel Para-
5 legals’) for the purpose of providing paralegal assistance
6 to Special Victims’ Counsel.”;

7 (4) in subsection (b)(2), by inserting “or the
8 Family Advocacy Program” after “Victim Witness
9 Assistance Program”;

10 (5) in subsection (d)(2)—

11 (A) in subparagraph (A)—

12 (i) by striking “Special Victims’ Coun-
13 sel” and inserting “Special Victims’ Coun-
14 sel and a Special Victims’ Counsel Para-
15 legal”; and

16 (ii) by striking “and” at the end;

17 (B) in subparagraph (B), by striking “Spe-
18 cial Victims’ Counsel.” and inserting “and a
19 Special Victims’ Counsel Paralegal; and”;

20 (C) by adding at the end the following new
21 subparagraph:

22 “(C) ensure that a Special Victims’ Counsel re-
23 ceives the training necessary to meet the needs of a
24 victim of an alleged sex-related offense or an alleged
25 domestic violence offense.”;

1 (6) in subsection (f)(1), by inserting “a rep-
2 resentative of the Family Advocacy Program,” after
3 “Sexual Assault Victim Advocate,”;

4 (7) by amending subsection (g) to read as fol-
5 lows:

6 “(g) DEFINITIONS.—In this section:

7 “(1) The term ‘alleged sex-related offense’
8 means any allegation of—

9 “(A) a violation of section 920, 920b,
10 920c, or 930 of this title (article 120, 120b,
11 120c, or 130 of the Uniform Code of Military
12 Justice); or

13 “(B) an attempt to commit an offense
14 specified in a subparagraph (A) as punishable
15 under section 880 of this title (article 80 of the
16 Uniform Code of Military Justice).

17 “(2) The term ‘alleged domestic violence of-
18 fense’ means any allegation of—

19 “(A) a violation of section 928b of this
20 title (article 128b of the Uniform Code of Mili-
21 tary Justice); or

22 “(B) an attempt to commit such an offense
23 as punishable under section 880 of this title
24 (article 80 of the Uniform Code of Military
25 Justice).”; and

1 (8) by adding at the end the following new sub-
2 sections:

3 “(i) MINIMUM STAFFING LEVEL.—Not later than
4 two years after the date of enactment of this subsection,
5 the Secretaries concerned shall ensure that the number
6 Special Victims’ Counsel serving in each military depart-
7 ment is sufficient to ensure that the average caseload of
8 a Special Victims’ Counsel does not exceed 25 cases at
9 any given time.

10 “(j) REPORT REQUIRED.—Not later than December
11 1, 2022, the Secretary of Defense, in consultation with
12 the Secretaries concerned, shall submit to the Committees
13 on Armed Services of the Senate and the House of Rep-
14 resentatives a report that includes—

15 “(1) an analysis of the caseloads of Special Vic-
16 tims’ Counsel and Special Victims’ Counsel Para-
17 legals, respectively;

18 “(2) an assessment of the ability of the military
19 departments to fill additional authorized billets for
20 the Special Victims’ Counsel program to meet mis-
21 sion requirements; and

22 “(3) a description of how the training require-
23 ments for the Special Victims’ Counsel program
24 have been expanded to meet the needs of victims of
25 alleged domestic violence offenses.”.

1 (b) CLERICAL AMENDMENT.—The table of sections
2 at the beginning of chapter 53 of title 10, United States
3 Code, is amended by striking the item relating to section
4 1044e and inserting the following new item:

“1044e. Special Victims’ Counsel for victims of sex-related or domestic violence offenses.”.

5 **SEC. 543. NOTIFICATION OF ISSUANCE OF MILITARY PRO-**
6 **TECTIVE ORDER TO CIVILIAN LAW ENFORCE-**
7 **MENT.**

8 (a) NOTIFICATION OF ISSUANCE.—Section 1567a of
9 title 10, United States Code, is amended—

10 (1) in subsection (a), by striking “and any indi-
11 vidual involved in the order does not reside on a
12 military installation at any time during the duration
13 of the military protective order, the commander of
14 the military installation shall notify” and inserting
15 “, the commander of the unit to which the member
16 is assigned shall, not later than seven days after the
17 date of the issuance of the order, notify”;

18 (2) by redesignating subsection (b) as sub-
19 section (c);

20 (3) by inserting after subsection (a) the fol-
21 lowing new subsection (b);

22 “(b) NOTIFICATION IN EVENT OF TRANSFER.—In
23 the event that a member of the armed forces against whom

1 a military protective order is issued is transferred to an-
2 other unit—

3 “(1) not later than the date of the transfer, the
4 commander of the unit from which the member is
5 transferred shall notify the commander of the unit
6 to which the member is transferred of—

7 “(A) the issuance of the protective order;
8 and

9 “(B) the individuals involved in the order;
10 and

11 “(2) not later than seven days after receiving
12 the notice under paragraph (1), the commander of
13 the unit to which the member is transferred shall
14 provide notice of the order to the appropriate civilian
15 authorities in accordance with subsection (a).”; and

16 (4) in subsection (c), as so redesignated, by
17 striking “commander of the military installation”
18 and inserting “commander of the unit to which the
19 member is assigned”.

20 (b) ANNUAL REPORT REQUIRED.—Not later than
21 March 1, 2020, and each year thereafter through 2024,
22 the Secretary of Defense shall submit to the congressional
23 defense committees a report that identifies—

1 (1) the number of military protective orders
2 issued in the calendar year preceding the year in
3 which the report is submitted; and

4 (2) the number of such orders that were re-
5 ported to appropriate civilian authorities in accord-
6 ance with section 1567a(a) of title 10, United States
7 Code, in such preceding year.

8 **SEC. 544. CLARIFICATIONS REGARDING SCOPE OF EMPLOY-**
9 **MENT AND REEMPLOYMENT RIGHTS OF MEM-**
10 **BERS OF THE UNIFORMED SERVICES.**

11 (a) CLARIFICATION REGARDING DEFINITION OF
12 RIGHTS AND BENEFITS.—Section 4303(2) of title 38,
13 United States Code, is amended—

14 (1) by inserting “(A)” before “The term”; and

15 (2) by adding at the end the following new sub-
16 paragraph:

17 “(B) Any procedural protections or provisions
18 set forth in this chapter shall also be considered a
19 right or benefit subject to the protection of this
20 chapter.”.

21 (b) CLARIFICATION REGARDING RELATION TO
22 OTHER LAW AND PLANS FOR AGREEMENTS.—Section
23 4302 of such title is amended by adding at the end the
24 following:

1 “(c)(1) Pursuant to this section and the procedural
2 rights afforded by subchapter III of this chapter, any
3 agreement to arbitrate a claim under this chapter is unen-
4 forceable, unless all parties consent to arbitration after a
5 complaint on the specific claim has been filed in court or
6 with the Merit Systems Protection Board and all parties
7 knowingly and voluntarily consent to have that particular
8 claim subjected to arbitration.

9 “(2) For purposes of this subsection, consent shall
10 not be considered voluntary when a person is required to
11 agree to arbitrate an action, complaint, or claim alleging
12 a violation of this chapter as a condition of future or con-
13 tinued employment, advancement in employment, or re-
14 ceipt of any right or benefit of employment.”.

15 **SEC. 545. MILITARY ORDERS REQUIRED FOR TERMINATION**
16 **OF LEASES PURSUANT TO THE**
17 **SERVICEMEMBERS CIVIL RELIEF ACT.**

18 Section 305(i) of the Servicemembers Civil Relief Act
19 (50 U.S.C. 3955) is amended—

20 (1) in paragraph (1), by inserting “(including
21 orders for separation or retirement)” after “official
22 military orders”; and

23 (2) by adding at the end the following new
24 paragraph:

1 “(3) PERMANENT CHANGE OF STATION.—The
2 term ‘permanent change of station’ includes separa-
3 tion or retirement from military service.”.

4 **SEC. 546. CONSULTATION REGARDING VICTIM’S PREF-**
5 **ERENCE IN PROSECUTION JURISDICTION.**

6 Section 534(b) of the Carl Levin and Howard P.
7 “Buck” McKeon National Defense Authorization Act for
8 Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 1044e
9 note) is amended by—

10 (1) redesignating paragraphs (2) through (4) as
11 paragraphs (3) through (5), respectively; and

12 (2) by inserting after paragraph (1) the fol-
13 lowing new paragraph (2):

14 “(2) RECORD OF CONSULTATION AND VICTIM
15 PREFERENCE.—The Secretary of Defense, acting
16 through the Under Secretary of Defense for Per-
17 sonnel and Readiness, shall issue guidance to ensure
18 that the consultation under paragraph (1) is pro-
19 vided to each victim of an alleged sex-related offense
20 described in such paragraph. Such guidance shall re-
21 quire that the following information about each con-
22 sultation is recorded and preserved in written or
23 electronic format:

24 “(A) The time and date of the consulta-
25 tion.

1 “(B) The name of the individual who con-
2 sulted with the victim.

3 “(C) The result of the consultation, includ-
4 ing—

5 “(i) whether the victim expressed a
6 preference under paragraph (1); and

7 “(ii) if the victim expressed a pref-
8 erence, whether the victim preferred that
9 the offense be prosecuted by court-martial
10 or in a civilian court.”.

11 **SEC. 547. EXTENSION AND EXPANSION OF DEFENSE ADVI-**
12 **SORY COMMITTEE ON INVESTIGATION, PROS-**
13 **ECUTION, AND DEFENSE OF SEXUAL AS-**
14 **SAULT IN THE ARMED FORCES.**

15 Section 546 of the Carl Levin and Howard P.
16 “Buck” McKeon National Defense Authorization Act for
17 Fiscal Year 2015 (10 U.S.C. 1561 note) is amended—

18 (1) by amending paragraph (2) of subsection
19 (c) to read as follows:

20 “(2) BASIS FOR PROVISION OF ADVICE.—For
21 purposes of providing advice to the Secretary pursu-
22 ant to this subsection, the Advisory Committee
23 shall—

1 “(A) review, on an ongoing basis, cases in-
2 volving allegations of sexual misconduct de-
3 scribed in paragraph (1);

4 “(B) study the feasibility of incorporating
5 restorative justice models into the Uniform
6 Code of Military Justice; and

7 “(C) review Rule for Courts-Martial
8 1001(c) (as set forth in the Manual for Courts-
9 Martial, 2019 edition, or any successor rule) to
10 determine whether, and to what extent, the in-
11 terpretation of that rule by military courts—

12 “(i) limits the ability of sexual assault
13 victims to make statements during
14 presentencing proceedings; and

15 “(ii) limits the content of such state-
16 ments.”; and

17 (2) in subsection (f)(1), by striking “five years”
18 and inserting “ten years”.

19 **SEC. 548. DEFENSE ADVISORY COMMITTEE FOR THE PRE-**
20 **VENTION OF SEXUAL MISCONDUCT.**

21 (a) ESTABLISHMENT REQUIRED.—

22 (1) IN GENERAL.—The Secretary of Defense
23 shall establish and maintain within the Department
24 of Defense an advisory committee to be known as
25 the “Defense Advisory Committee for the Prevention

1 of Sexual Misconduct” (in this section referred to as
2 the “Advisory Committee”).

3 (2) DEADLINE FOR ESTABLISHMENT.—The
4 Secretary shall establish the Advisory Committee not
5 later than 180 days after the date of the enactment
6 of this Act.

7 (b) MEMBERSHIP.—

8 (1) IN GENERAL.—The Advisory Committee
9 shall consist of not more than 20 members, ap-
10 pointed by the Secretary from among individuals
11 who have an expertise appropriate for the work of
12 the Advisory Committee, including at least one indi-
13 vidual with each expertise as follows:

14 (A) Expertise in the prevention of sexual
15 assault and behaviors on the sexual assault con-
16 tinuum of harm.

17 (B) Expertise in the prevention of suicide.

18 (C) Expertise in trauma and trauma symp-
19 toms.

20 (D) Expertise in the change of culture of
21 large organizations.

22 (E) Expertise in implementation science.

23 (2) BACKGROUND OF INDIVIDUALS.—Individ-
24 uals appointed to the Advisory Committee may in-
25 clude individuals with expertise in sexual assault

1 prevention efforts of institutions of higher education,
2 public health officials, and such other individuals as
3 the Secretary considers appropriate.

4 (3) PROHIBITION ON MEMBERSHIP OF MEM-
5 BERS OF ARMED FORCES ON ACTIVE DUTY.—A
6 member of the Armed Forces serving on active duty
7 may not serve as a member of the Advisory Com-
8 mittee.

9 (c) DUTIES.—

10 (1) IN GENERAL.—The Advisory Committee
11 shall advise the Secretary on the following:

12 (A) The prevention of sexual assault (in-
13 cluding rape, forcible sodomy, other sexual as-
14 sault, and other sexual misconduct (including
15 behaviors on the sexual assault continuum of
16 harm)) involving members of the Armed Forces.

17 (B) The policies, programs, and practices
18 of each military department, each Armed Force,
19 and each military service academy for the pre-
20 vention of sexual assault as described in sub-
21 paragraph (A).

22 (2) BASIS FOR PROVISION OF ADVICE.—For
23 purposes of providing advice to the Secretary pursu-
24 ant to this subsection, the Advisory Committee shall
25 review, on an ongoing basis, the following:

1 (A) Closed cases involving allegations of
2 sexual assault described in paragraph (1).

3 (B) Efforts of institutions of higher edu-
4 cation to prevent sexual assault among stu-
5 dents.

6 (C) Any other information or matters that
7 the Advisory Committee or the Secretary con-
8 siders appropriate.

9 (3) COORDINATION OF EFFORTS.—In addition
10 to the reviews required by paragraph (2), for pur-
11 poses of providing advice to the Secretary the Advi-
12 sory Committee shall also consult and coordinate
13 with the Defense Advisory Committee on Investiga-
14 tion, Prosecution, and Defense of Sexual Assault in
15 the Armed Forces (DAC-IPAD) on matters of joint
16 interest to the two Advisory Committees.

17 (d) ANNUAL REPORT.—Not later than March 30
18 each year, the Advisory Committee shall submit to the
19 Secretary and the Committees on Armed Services of the
20 Senate and the House of Representatives a report on the
21 activities of the Advisory Committee pursuant to this sec-
22 tion during the preceding year.

23 (e) SEXUAL ASSAULT CONTINUUM OF HARM.—In
24 this section, the term “sexual assault continuum of harm”
25 includes—

1 (1) inappropriate actions (such as sexist jokes),
2 sexual harassment, gender discrimination, hazing,
3 cyber bullying, or other behavior that contributes to
4 a culture that is tolerant of, or increases risk for,
5 sexual assault; and

6 (2) maltreatment or ostracism of a victim for a
7 report of sexual misconduct.

8 (f) TERMINATION.—

9 (1) IN GENERAL.—Except as provided in para-
10 graph (2), the Advisory Committee shall terminate
11 on the date that is five years after the date of the
12 establishment of the Advisory Committee pursuant
13 to subsection (a).

14 (2) CONTINUATION.—The Secretary of Defense
15 may continue the Advisory Committee after the ter-
16 mination date applicable under paragraph (1) if the
17 Secretary determines that continuation of the Advi-
18 sory Committee after that date is advisable and ap-
19 propriate. If the Secretary determines to continue
20 the Advisory Committee after that date, the Sec-
21 retary shall notify the Committees on the Armed
22 Services of the Senate and House of Representa-
23 tives.

1 **SEC. 549. SAFE TO REPORT POLICY APPLICABLE ACROSS**
2 **THE ARMED FORCES.**

3 (a) **IN GENERAL.**—The Secretary of Defense shall,
4 in consultation with the Secretaries of the military depart-
5 ments, prescribe in regulations a safe to report policy de-
6 scribed in subsection (b) that applies with respect to all
7 members of the Armed Forces (including members of the
8 reserve components of the Armed Forces) and cadets and
9 midshipmen at the military service academies.

10 (b) **SAFE TO REPORT POLICY.**—The safe to report
11 policy described in this subsection is a policy under which
12 a member of the Armed Forces who is the alleged victim
13 of sexual assault, but who may have committed minor col-
14 lateral misconduct at or about the time of such sexual as-
15 sault, or whose minor collateral misconduct is discovered
16 only as a result of the investigation into such sexual as-
17 sault, may report such sexual assault to proper authorities
18 without fear or receipt of discipline in connection with
19 such minor collateral misconduct absent aggravating cir-
20 cumstances that increase the gravity of the minor collat-
21 eral misconduct or its impact on good order and discipline.

22 (c) **MINOR COLLATERAL MISCONDUCT.**—For pur-
23 poses of the safe to report policy, minor collateral mis-
24 conduct shall include any of the following:

25 (1) Improper use or possession of alcohol.

1 (2) Consensual intimate behavior (including
2 adultery) or fraternization.

3 (3) Presence in an off-limits area.

4 (4) Such other misconduct as the Secretary of
5 Defense shall specify in the regulations under sub-
6 section (a).

7 (d) AGGRAVATING CIRCUMSTANCES.—The regula-
8 tions under subsection (a) shall specify aggravating cir-
9 cumstances that increase the gravity of minor collateral
10 misconduct or its impact on good order and discipline for
11 purposes of the safe to report policy.

12 (e) DEFINITIONS.—In this section:

13 (1) The term “Armed Forces” has the meaning
14 given that term in section 101(a)(4) of title 10,
15 United States Code, except such term does not in-
16 clude the Coast Guard.

17 (2) The term “military service academy” means
18 the following:

19 (A) The United States Military Academy.

20 (B) The United States Naval Academy.

21 (C) The United States Air Force Academy.

22 **SEC. 550. AVAILABILITY OF SPECIAL VICTIMS’ COUNSEL**
23 **AND SPECIAL VICTIM PROSECUTORS AT MILI-**
24 **TARY INSTALLATIONS.**

25 (a) DEADLINE FOR AVAILABILITY.—

1 (1) IN GENERAL.—If an individual specified in
2 paragraph (2) is not available at a military installa-
3 tion for access by a member of the Armed Forces
4 who requests access to such an individual, such an
5 individual shall be made available at such installa-
6 tion for access by such member by not later than 48
7 hours after such request.

8 (2) INDIVIDUALS.—The individuals specified in
9 this paragraph are the following:

10 (A) Special Victims' Counsel (SVC).

11 (B) Special Victim Prosecutor (SPC).

12 (b) REPORT ON CIVILIAN SUPPORT OF SVCS.—Not
13 later than 180 days after the date of the enactment of
14 this Act, each Secretary of a military department shall
15 submit to the Committees on Armed Services of the Sen-
16 ate and the House of Representatives a report setting
17 forth the assessment of such Secretary of the feasibility
18 and advisability of establishing and maintaining at each
19 installation under the jurisdiction of such Secretary with
20 a Special Victims' Counsel one or more civilian positions
21 for the purpose of—

22 (1) providing support to such Special Victims'
23 Counsel; and

24 (2) ensuring continuity and the preservation of
25 institutional knowledge in transitions between the

1 service of individuals as Special Victims' Counsel at
2 such installation.

3 **SEC. 550a. NOTICE TO VICTIMS OF ALLEGED SEXUAL AS-**
4 **SAULT OF PENDENCY OF FURTHER ADMINIS-**
5 **TRATIVE ACTION FOLLOWING A DETERMINA-**
6 **TION NOT TO REFER TO TRIAL BY COURT-**
7 **MARTIAL.**

8 Under regulations prescribed by the Secretary of De-
9 fense, upon a determination not to refer a case of alleged
10 sexual assault for trial by court-martial under chapter 47
11 of title 10, United States Code (the Uniform Code of Mili-
12 tary Justice), the commander making such determination
13 shall periodically notify the victim of the status of a final
14 determination on further action on such case, whether
15 non-judicial punishment under section 815 of such title
16 (article 15 of the Uniform Code of Military Justice), other
17 administrative action, or no further action. Such notifica-
18 tions shall continue not less frequently than monthly until
19 such final determination.

20 **SEC. 550b. TRAINING FOR SPECIAL VICTIMS' COUNSEL ON**
21 **CIVILIAN CRIMINAL JUSTICE MATTERS IN**
22 **THE STATES OF THE MILITARY INSTALLA-**
23 **TIONS TO WHICH ASSIGNED.**

24 (a) TRAINING.—

1 (1) IN GENERAL.—Except as provided in sub-
2 section (c), upon the assignment of a Special Vie-
3 tims’ Counsel (including a Victim Legal Counsel of
4 the Navy) to a military installation in the United
5 States, such Counsel shall be provided appropriate
6 training on the law and policies of the State or
7 States in which such military installation is located
8 with respect to the criminal justice matters specified
9 in paragraph (2). The purpose of the training is to
10 assist such Counsel in providing victims of alleged
11 sex-related offenses with information necessary to
12 make an informed decision regarding preference as
13 to the jurisdiction (whether court-martial or State
14 court) in which such offenses will be prosecuted.

15 (2) CRIMINAL JUSTICE MATTERS.—The crimi-
16 nal justice matters specified in this paragraph, with
17 respect to a State, are the following:

18 (A) Victim rights.

19 (B) Prosecution of criminal offenses.

20 (C) Sentencing for conviction of criminal
21 offenses.

22 (b) ALLEGED SEX-RELATED OFFENSE DEFINED.—
23 In this section, the term “alleged sex-related offense”
24 means any allegation of—

1 (1) a violation of section 920, 920b, 920c, or
2 930 of title 10, United States Code (article 120,
3 120b, 120c, or 130 of the Uniform Code of Military
4 Justice); or

5 (2) an attempt to commit an offense specified
6 in a paragraph (1) as punishable under section 880
7 of title 10, United States Code (article 80 of the
8 Uniform Code of Military Justice).

9 (c) EXCEPTION.—The requirements of this section do
10 not apply to a Special Victims' Counsel of the Coast
11 Guard.

12 **Subtitle F—Member Education**

13 **SEC. 551. AUTHORITY FOR DETAIL OF CERTAIN ENLISTED** 14 **MEMBERS OF THE ARMED FORCES AS STU-** 15 **DENTS AT LAW SCHOOLS.**

16 (a) IN GENERAL.—Chapter 101 of title 10, United
17 States Code, is amended—

18 (1) by redesignating sections 2004a and 2004b
19 as sections 2004b and 2004c, respectively;

20 (2) by inserting after section 2004 the following
21 new section:

22 **“§ 2004a. Detail as students at law schools: certain** 23 **enlisted members**

24 “(a) IN GENERAL.—The Secretary of each military
25 department may, under regulations prescribed by the Sec-

1 retary of Defense, detail enlisted members of the armed
2 forces as students at accredited law schools, located in the
3 United States, for a period of training leading to the de-
4 gree of bachelor of laws or juris doctor. No more than
5 twenty-five officers from each military department may
6 commence such training in any single fiscal year.

7 “(b) ELIGIBILITY FOR DETAIL.—To be eligible for
8 detail under subsection (a), a member must be a citizen
9 of the United States and must—

10 “(1) as of the time training is to begin—

11 “(A) have served on active duty for a pe-
12 riod of not less than four years nor more than
13 eight years;

14 “(B) be in pay grade E-5 or E-6; and

15 “(C) meet all requirements for acceptance
16 of a commission as a commissioned officer in
17 the armed forces; and

18 “(2) sign an agreement that, unless sooner sep-
19 arated, the member will—

20 “(A) complete the educational course of
21 legal training;

22 “(B) upon completion of the educational
23 course of legal training—

24 “(i) accept a commission as a commis-
25 sioned officer in the armed forces; and

1 “(ii) accept transfer or detail as a
2 judge advocate or law specialist within the
3 department concerned; and

4 “(C) agree to serve on active duty fol-
5 lowing completion or other termination of the
6 educational course of legal training for a period
7 of two years for each year or part thereof of
8 such training.

9 “(c) SELECTION.—Members detailed for legal train-
10 ing under subsection (a) shall be selected on a competitive
11 basis by the Secretary of the military department con-
12 cerned, under the regulations required by subsection (a).

13 “(d) SERVICE AND SERVICE OBLIGATIONS.—(1) Ex-
14 cept as provided in paragraph (2), any service obligation
15 incurred by a member under an agreement entered into
16 under subsection (b) shall be in addition to any service
17 obligation incurred by the member under any other provi-
18 sion of law or agreement.

19 “(2)(A) A member who does not successfully com-
20 plete a course of legal training to which detailed pursuant
21 to this section shall cease such detail and return to the
22 armed force concerned as an enlisted member.

23 “(B) Any time of a member described by subpara-
24 graph (A) in a course of legal training described in that
25 subparagraph shall not count toward satisfaction of any

1 period of service required under the current contract or
2 agreement of the member for enlistment in the armed
3 forces.

4 “(e) LIMITATION ON NUMBER DETAILABLE.—The
5 aggregate number of enlisted members detailed under this
6 section and commissioned officers detailed under section
7 2004 of this title in any fiscal year by a Secretary of a
8 military department may not exceed 25.

9 “(f) OTHER ADMINISTRATIVE MATTERS.—Sub-
10 sections (d) and (f) of section 2004 of this title shall apply
11 to the detail of members under this section, except that
12 any reference in such section to an ‘officer’ shall be
13 deemed to be a reference to an ‘enlisted member’ for such
14 purposes.”.

15 **SEC. 552. EDUCATION OF MEMBERS OF THE ARMED**
16 **FORCES ON CAREER READINESS AND PRO-**
17 **FESSIONAL DEVELOPMENT.**

18 (a) PROGRAMS OF EDUCATION REQUIRED.—

19 (1) IN GENERAL.—Chapter 101 of title 10,
20 United States Code, is amended by inserting after
21 section 2015 the following new section:

22 **“§ 2015a. Education of members on career readiness**
23 **and professional development**

24 “(a) PROGRAM OF EDUCATION REQUIRED.—The
25 Secretary of Defense shall carry out a program to provide

1 education on career readiness and professional develop-
2 ment to members of the armed forces.

3 “(b) ELEMENTS.—The program under this section
4 shall provide members with the following:

5 “(1) Information on the transition plan as de-
6 scribed in section 1142(b)(10) of this title.

7 “(2) Information on opportunities available to
8 members during military service for professional de-
9 velopment and preparation for a career after mili-
10 tary service, including—

11 “(A) programs of education, certification,
12 training, and employment assistance (including
13 programs under sections 1143(e), 2007, and
14 2015 of this title); and

15 “(B) programs and resources available to
16 members in communities in the vicinity of mili-
17 tary installations.

18 “(3) Instruction on the use of online and other
19 electronic mechanisms in order to access the edu-
20 cation, training, and assistance and resources de-
21 scribed in paragraph (2).

22 “(4) Such other information, instruction, and
23 matters as the Secretary shall specify for purposes
24 of this section.

1 “(c) TIMING OF PROVISION OF INFORMATION.—Sub-
2 ject to subsection (d), information, instruction, and other
3 matters under the program under this section shall be pro-
4 vided to members at the times as follows:

5 “(1) Upon arrival at first duty station.

6 “(2) Upon arrival at any subsequent duty sta-
7 tion.

8 “(3) Upon deployment.

9 “(4) Upon promotion.

10 “(5) Upon reenlistment.

11 “(6) At any other point in a military career
12 specified by the Secretary for purposes of this sec-
13 tion

14 “(d) SINGLE PROVISION OF INFORMATION IN A YEAR
15 WITH MULTIPLE EVENTS.—A member who has received
16 information and instruction under the program under this
17 section in connection with an event specified in subsection
18 (c) in a year may elect not to undergo additional receipt
19 of information and instruction under the program in con-
20 nection with another such event in the year, unless such
21 other event is arrival at a new duty station.”.

22 “(2) CLERICAL AMENDMENT.—The table of sec-
23 tions at the beginning of chapter 101 of such title
24 is amended by inserting after the item relating to
25 section 2015 the following new item:

“2015a. Education of members on career readiness and professional development.”.

1 (b) REPORT ON IMPLEMENTATION.—

2 (1) IN GENERAL.—Not later than one year
3 after the date of the enactment of this Act, the Sec-
4 retary of Defense shall submit to the appropriate
5 committees of Congress a report on the program of
6 education required by section 2015a of title 10,
7 United States Code (as added by subsection (a)), in-
8 cluding the following:

9 (A) A comprehensive description of the ac-
10 tions taken to implement the program of edu-
11 cation.

12 (B) A comprehensive description of the
13 program of education.

14 (2) APPROPRIATE COMMITTEES OF CONGRESS
15 DEFINED.—In this subsection, the term “appro-
16 priate committees of Congress” means—

17 (A) the Committee on Armed Services and
18 the Committee on Veterans’ Affairs of the Sen-
19 ate; and

20 (B) the Committee on Armed Services and
21 the Committee on Veterans’ Affairs of the
22 House of Representatives.

1 **SEC. 553. DEFENSE LANGUAGE INSTITUTE FOREIGN LAN-**
2 **GUAGE CENTER.**

3 (a) AUTHORITY TO AWARD BACHELOR'S DE-
4 GREES.—Section 2168 of title 10, United States Code, is
5 amended—

6 (1) in the section heading, by striking “**Asso-**
7 **ciate**” and inserting “**Associate or Bachelor**”;
8 and

9 (2) by amending subsection (a) to read as fol-
10 lows:

11 “(a) Subject to subsection (b), the Commandant of
12 the Defense Language Institute may confer—

13 “(1) an Associate of Arts degree in a foreign
14 language upon any graduate of the Foreign Lan-
15 guage Center of the Institute who fulfills the re-
16 quirements for that degree; or

17 “(2) a Bachelor of Arts degree in a foreign lan-
18 guage upon any graduate of the Foreign Language
19 Center of the Institute who fulfills the requirements
20 for that degree.”.

21 (b) CLERICAL AMENDMENT.—The table of sections
22 at the beginning of chapter 108 of title 10, United States
23 Code, is amended by striking the item relating to section
24 2168 and inserting the following new item:

“2168. Defense Language Institute Foreign Language Center: degree of Asso-
ciate or Bachelor of Arts in foreign language.”.

1 **SEC. 554. EXPANSION OF DEPARTMENT OF DEFENSE**
2 **STARBASE PROGRAM.**

3 (a) **IN GENERAL.**—Section 2193b of title 10, United
4 States Code, is amended—

5 (1) in the section heading, by striking
6 **“science, mathematics, and technology”**
7 and inserting **“science, technology, engineer-**
8 **ing, art and design, and mathematics”**;

9 (2) in subsection (a), by striking “science,
10 mathematics, and technology” and inserting
11 “science, technology, engineering, art and design,
12 and mathematics”; and

13 (3) in subsection (b), by striking “mathematics,
14 science, and technology” and inserting “science,
15 technology, engineering, art and design, and mathe-
16 matics”;

17 (b) **CLERICAL AMENDMENT.**—The table of sections
18 at the beginning of chapter 111 of title 10, United States
19 Code, is amended by striking the item relating to section
20 2193b and inserting the following new item:

“2193b. Improvement of education in technical fields: program for support of elementary and secondary education in science, technology, engineering, art and design, and mathematics.”.

1 **SEC. 555. DEGREE GRANTING AUTHORITY FOR UNITED**
2 **STATES ARMY ARMAMENT GRADUATE**
3 **SCHOOL.**

4 (a) IN GENERAL.—Chapter 751 of title 10, United
5 States Code, is amended by adding at the end the fol-
6 lowing new section:

7 **“§ 7422. Degree granting authority for United States**
8 **Army Armament Graduate School**

9 “(a) AUTHORITY.—Under regulations prescribed by
10 the Secretary of the Army, the Chancellor of the United
11 States Army Armament Graduate School may, upon the
12 recommendation of the faculty and provost of the college,
13 confer appropriate degrees upon graduates who meet the
14 degree requirements.

15 “(b) LIMITATION.—A degree may not be conferred
16 under this section unless—

17 “(1) the Secretary of Education has rec-
18 ommended approval of the degree in accordance with
19 the Federal Policy Governing Granting of Academic
20 Degrees by Federal Agencies; and

21 “(2) the United States Army Armament Grad-
22 uate School is accredited by the appropriate civilian
23 academic accrediting agency or organization to
24 award the degree, as determined by the Secretary of
25 Education.

1 “(c) CONGRESSIONAL NOTIFICATION REQUIRE-
2 MENTS.—(1) When seeking to establish degree granting
3 authority under this section, the Secretary of Defense
4 shall submit to the Committees on Armed Services of the
5 Senate and the House of Representatives—

6 “(A) a copy of the self-assessment questionnaire
7 required by the Federal Policy Governing Granting
8 of Academic Degrees by Federal Agencies, at the
9 time the assessment is submitted to the Department
10 of Education’s National Advisory Committee on In-
11 stitutional Quality and Integrity; and

12 “(B) the subsequent recommendations and ra-
13 tionale of the Secretary of Education regarding the
14 establishment of the degree granting authority.

15 “(2) Upon any modification or redesignation of exist-
16 ing degree granting authority, the Secretary of Defense
17 shall submit to the Committees on Armed Services of the
18 Senate and House of Representatives a report containing
19 the rationale for the proposed modification or redesigna-
20 tion and any subsequent recommendation of the Secretary
21 of Education on the proposed modification or redesigna-
22 tion.

23 “(3) The Secretary of Defense shall submit to the
24 Committees on Armed Services of the Senate and House
25 of Representatives a report containing an explanation of

1 any action by the appropriate academic accrediting agency
2 or organization not to accredit the United States Army
3 Armament Graduate School to award any new or existing
4 degree.”.

5 (b) CLERICAL AMENDMENT.—The table of sections
6 at the beginning of such chapter is amended by adding
7 at the end the following new item:

“7422. Degree granting authority for United States Army Armament Graduate
School.”.

8 **SEC. 556. CONGRESSIONAL NOMINATIONS FOR SENIOR RE-**
9 **SERVE OFFICERS’ TRAINING CORPS SCHOL-**
10 **ARSHIPS.**

11 Section 7442 of title 10, United States Code, is
12 amended by adding at the end the following new sub-
13 section:

14 “(k) Any candidate not nominated under paragraphs
15 (3) through (10) of subsection (a) may be considered by
16 the Secretary of the Army in order of merit for appoint-
17 ment as a Senior Reserve Officers’ Training Corps cadet
18 under section 2107 of this title.”.

1 **SEC. 557. CONSIDERATION OF APPLICATION FOR TRANS-**
2 **FER FOR A STUDENT OF A MILITARY SERV-**
3 **ICE ACADEMY WHO IS THE VICTIM OF A SEX-**
4 **UAL ASSAULT OR RELATED OFFENSE.**

5 (a) **MILITARY ACADEMY.**—Section 7461 of title 10,
6 United States Code, is amended by adding at the end the
7 following new subsection:

8 “(e) **CONSIDERATION OF APPLICATION FOR TRANS-**
9 **FER FOR A CADET WHO IS THE VICTIM OF A SEXUAL**
10 **ASSAULT OR RELATED OFFENSE.**—(1) The Secretary of
11 the Army shall provide for timely determination and action
12 on an application for consideration of a transfer to an-
13 other military service academy submitted by a cadet who
14 was a victim of a sexual assault or other offense covered
15 by section 920, 920a, or 920c of this title (article 120,
16 120a, or 120c of the Uniform Code of Military Justice)
17 so as to reduce the possibility of retaliation against the
18 cadet for reporting the sexual assault or other offense.

19 “(2) The Secretary of the Army shall prescribe regu-
20 lations to carry out this subsection, within guidelines pro-
21 vided by the Secretary of Defense that direct the Super-
22 intendent of the Military Academy, in coordination with
23 the Superintendent of the military service academy to
24 which the cadet wishes to transfer—

1 “(A) to approve or deny an application under
2 this subsection not later than 72 hours after the
3 submission of the application; and

4 “(B) to approve such application unless there
5 are exceptional circumstances that require denial of
6 the application.

7 “(3) If the Superintendent of the Military Academy
8 or the Superintendent of the military service academy to
9 which the cadet wishes to transfer denies an application
10 under this subsection, the cadet may request review of the
11 denial by the Secretary concerned, who shall grant or deny
12 review not later than 72 hours after submission of the re-
13 quest for review.

14 “(4) The Secretary concerned shall ensure that all
15 records of any request, determination, or action under this
16 subsection remain confidential.

17 “(5) A cadet who transfers under this subsection may
18 retain the cadet’s appointment to the Military Academy
19 or may be appointed to the military service academy to
20 which the cadet transfers without regard to the limitations
21 and requirements set forth in sections 7442, 8454, and
22 9442 of this title.”.

23 (b) NAVAL ACADEMY.—Section 8480 of title 10,
24 United States Code, is amended by adding at the end the
25 following new subsection:

1 “(e) CONSIDERATION OF APPLICATION FOR TRANS-
2 FER FOR A MIDSHIPMAN WHO IS THE VICTIM OF A SEX-
3 UAL ASSAULT OR RELATED OFFENSE.—(1) The Sec-
4 retary of the Navy shall provide for timely determination
5 and action on an application for consideration of a trans-
6 fer to another military service academy submitted by a
7 midshipman who was a victim of a sexual assault or other
8 offense covered by section 920, 920a, or 920c of this title
9 (article 120, 120a, or 120c of the Uniform Code of Mili-
10 tary Justice) so as to reduce the possibility of retaliation
11 against the midshipman for reporting the sexual assault
12 or other offense.

13 “(2) The Secretary of the Navy shall prescribe regu-
14 lations to carry out this subsection, within guidelines pro-
15 vided by the Secretary of Defense that direct the Super-
16 intendent of the Naval Academy, in coordination with the
17 Superintendent of the military service academy to which
18 the midshipman wishes to transfer—

19 “(A) to approve or deny an application under
20 this subsection not later than 72 hours after the
21 submission of the application; and

22 “(B) to approve such application unless there
23 are exceptional circumstances that require denial of
24 the application.

1 “(3) If the Superintendent of the Naval Academy or
2 the Superintendent of the military service academy to
3 which the midshipman wishes to transfer denies an appli-
4 cation under this subsection, the midshipman may request
5 review of the denial by the Secretary concerned, who shall
6 grant or deny review not later than 72 hours after submis-
7 sion of the request for review.

8 “(4) The Secretary concerned shall ensure that all
9 records of any request, determination, or action under this
10 subsection remain confidential.

11 “(5) A midshipman who transfers under this sub-
12 section may retain the midshipman’s appointment to the
13 Naval Academy or may be appointed to the military serv-
14 ice academy to which the midshipman transfers without
15 regard to the limitations and requirements set forth in sec-
16 tions 7442, 8454, and 9442 of this title.”.

17 (c) AIR FORCE ACADEMY.—Section 9461 of title 10,
18 United States Code, is amended by adding at the end the
19 following new subsection:

20 “(e) CONSIDERATION OF APPLICATION FOR TRANS-
21 FER FOR A CADET WHO IS THE VICTIM OF A SEXUAL
22 ASSAULT OR RELATED OFFENSE.—(1) The Secretary of
23 the Air Force shall provide for timely determination and
24 action on an application for consideration of a transfer
25 to another military service academy submitted by a cadet

1 who was a victim of a sexual assault or other offense cov-
2 ered by section 920, 920a, or 920c of this title (article
3 120, 120a, or 120c of the Uniform Code of Military Jus-
4 tice) so as to reduce the possibility of retaliation against
5 the cadet for reporting the sexual assault or other offense.

6 “(2) The Secretary of the Air Force shall prescribe
7 regulations to carry out this subsection, within guidelines
8 provided by the Secretary of Defense that direct the Su-
9 perintendent of the Air Force Academy, in coordination
10 with the Superintendent of the military service academy
11 to which the cadet wishes to transfer—

12 “(A) to approve or deny an application under
13 this subsection not later than 72 hours after the
14 submission of the application; and

15 “(B) to approve such application unless there
16 are exceptional circumstances that require denial of
17 the application.

18 “(3) If the Superintendent of the Air Force Academy
19 or the Superintendent of the military service academy to
20 which the cadet wishes to transfer denies an application
21 under this subsection, the cadet may request review of the
22 denial by the Secretary concerned, who shall grant or deny
23 review not later than 72 hours after submission of the re-
24 quest for review.

1 “(4) The Secretary concerned shall ensure that all
2 records of any request, determination, or action under this
3 subsection remain confidential.

4 “(5) A cadet who transfers under this subsection may
5 retain the cadet’s appointment to the Air Force Academy
6 or may be appointed to the military service academy to
7 which the cadet transfers without regard to the limitations
8 and requirements set forth in sections 7442, 8454, and
9 9442 of this title.”.

10 **SEC. 558. REDESIGNATION OF THE COMMANDANT OF THE**
11 **UNITED STATES AIR FORCE INSTITUTE OF**
12 **TECHNOLOGY AS THE DIRECTOR AND CHAN-**
13 **CELLOR OF SUCH INSTITUTE.**

14 (a) REDESIGNATION.—Section 9414b(a) of title 10,
15 United States Code, is amended—

16 (1) in the subsection heading, by striking
17 “COMMANDANT” and inserting “DIRECTOR AND
18 CHANCELLOR”;

19 (2) by striking “Commandant” each place it ap-
20 pears and inserting “Director and Chancellor”; and

21 (3) in the heading of paragraph (3), by striking
22 “Commandant” and inserting “Director and Chan-
23 cellor”.

1 (b) CONFORMING AMENDMENT.—Section 9414 of
2 such title is amended by striking “Commandant” both
3 places it appears and inserting “Director and Chancellor”.

4 (c) REFERENCES.—Any reference in any law, regula-
5 tion, map, document, paper, or other record of the United
6 States to the Commandant of the United States Air Force
7 Institute of Technology shall be deemed to be a reference
8 to the Director and Chancellor of the United States Air
9 Force Institute of Technology.

10 **SEC. 559. ELIGIBILITY OF ADDITIONAL ENLISTED MEM-**
11 **BERS FOR ASSOCIATE DEGREE PROGRAMS**
12 **OF THE COMMUNITY COLLEGE OF THE AIR**
13 **FORCE.**

14 Section 9415(b) of title 10, United States Code, is
15 amended by adding at the end the following new para-
16 graph:

17 “(3) Enlisted members of the armed forces
18 other than the Air Force who are participating in
19 Community College of the Air Force affiliated joint-
20 service training and education courses.”.

21 **SEC. 560. SAFE-TO-REPORT POLICY APPLICABLE TO MILI-**
22 **TARY SERVICE ACADEMIES.**

23 (a) IN GENERAL.—The Secretary of Defense, in con-
24 sultation with the Secretaries of the military departments,
25 shall prescribe in regulations a safe-to-report policy de-

1 scribed in subsection (b) that applies with respect to ca-
2 dets and midshipmen at the military service academies.

3 (b) SAFE-TO-REPORT POLICY.—The safe-to-report
4 policy described in this subsection is a policy under which
5 a cadet or midshipman at a military service academy who
6 is the alleged victim of sexual assault, but who may have
7 committed minor collateral misconduct at or about the
8 time of such sexual assault, or whose minor collateral mis-
9 conduct is discovered only as a result of the investigation
10 into such sexual assault, may report such sexual assault
11 to proper authorities without fear or receipt of discipline
12 in connection with such minor collateral misconduct.

13 (c) MINOR COLLATERAL MISCONDUCT.—For pur-
14 poses of the safe-to-report policy, minor collateral mis-
15 conduct shall include any of the following:

16 (1) Improper use or possession of alcohol.

17 (2) Consensual intimate behavior or fraterniza-
18 tion with another cadet or midshipman.

19 (3) Presence in an off-limits area.

20 (4) Such other misconduct as the Secretary of
21 Defense shall specify in the regulations under sub-
22 section (a).

23 (d) MILITARY SERVICE ACADEMY DEFINED.—In this
24 section, the term “military service academy” means the
25 following:

- 1 (1) The United States Military Academy.
- 2 (2) The United States Naval Academy.
- 3 (3) The United States Air Force Academy.
- 4 (4) The United States Coast Guard Academy.

5 **SEC. 560a. RECOUPMENT OF FUNDS FROM CADETS AND**
6 **MIDSHIPMEN SEPARATED FOR CRIMINAL**
7 **MISCONDUCT.**

8 Not later than September 30, 2020, each Secretary
9 of a military department shall prescribe regulations by
10 which the Superintendent of a military service academy
11 under the jurisdiction of the Secretary shall, pursuant to
12 section 303a(e) of title 37, United States Code, recoup
13 the cost of advanced education received by a cadet or mid-
14 shipman who is separated from that military service acad-
15 emy—

16 (1) at any time before the cadet or midshipman
17 graduates from the military service academy; and

18 (2) for criminal misconduct by the cadet or
19 midshipman.

20 **Subtitle G—Member Training and**
21 **Transition**

22 **SEC. 561. PROHIBITION ON GENDER-SEGREGATED TRAIN-**
23 **ING AT MARINE CORPS RECRUIT DEPOTS.**

24 (a) PARRIS ISLAND.—

1 (1) PROHIBITION.—Subject to paragraph (2),
2 training at the Marine Corps Recruit Depot, Parris
3 Island, South Carolina, may not be segregated based
4 on gender.

5 (2) DEADLINE.—The Commandant of the Ma-
6 rine Corps shall carry out this subsection not later
7 than five years after the date of the enactment of
8 this Act.

9 (b) SAN DIEGO.—

10 (1) PROHIBITION.—Subject to paragraph (2),
11 training at the Marine Corps Recruit Depot, San
12 Diego, California, may not be segregated based on
13 gender.

14 (2) DEADLINE.—The Commandant of the Ma-
15 rine Corps shall carry out this subsection not later
16 than eight years after the date of the enactment of
17 this Act.

18 **SEC. 562. MEDICAL PERSONNEL AT MARINE CORPS RE-**
19 **CRUIT DEPOTS.**

20 Not later than September 30, 2020, the Secretary of
21 the Navy, in coordination with the Navy Medical Depart-
22 ment, shall—

23 (1) assign personnel to the Marine Recruit
24 Training Regiment at each Marine Corps Recruit
25 Depot who—

1 (A) possess sufficient medical training and
2 equipment to evaluate sick recruits; and

3 (B) is capable of determining whether a re-
4 cruit requires emergent care; and

5 (2) ensure such personnel is available after
6 business hours in order to advise personnel regard-
7 ing the course of action for managing a sick recruit.

8 **SEC. 563. ASSESSMENT OF DEATHS OF RECRUITS UNDER**
9 **THE JURISDICTION OF THE SECRETARY OF**
10 **THE NAVY.**

11 (a) ASSESSMENT.—The Inspector General of the De-
12 partment of Defense shall conduct an assessment of the
13 deaths of recruits at facilities under the jurisdiction of the
14 Secretary of the Navy, and the effectiveness of the current
15 medical protocols on the training bases.

16 (b) REPORT.—Not later than September 30, 2020,
17 the Inspector General shall submit to the Committees on
18 Armed Services of the Senate and the House of Represent-
19 ative a report containing the results of the assessment con-
20 ducted under subsection (a). The report shall include the
21 following:

22 (1) The number of recruits who died during
23 basic training in the five years preceding the date of
24 the report.

1 (2) The causes of deaths described in para-
2 graph (1).

3 (3) The types of medical treatment that was
4 provided to recruits described in paragraph (1).

5 (4) Whether any of the deaths identified under
6 paragraph (1) were found to be a result of medical
7 negligence.

8 (5) A description of medical capabilities and
9 personnel available to the recruits at each facility.

10 (6) A description of medical resources accessible
11 to the recruits at the company level at each facility.

12 (7) A description of 24-hour medical resources
13 available to recruits at each facility.

14 (8) An evaluation of the guidelines and re-
15 sources in place to monitor sick recruits.

16 (9) An evaluation of how supervisors evaluate
17 and determine whether a sick recruit should con-
18 tinue training or further seek medical assistance.

19 (10) An evaluation of how the Secretary of the
20 Navy can increase visibility of the comprehensive
21 medical status of a sick recruit to instructors and
22 supervisors in order to provide better situational
23 awareness of the such medical status.

24 (11) An evaluation of how to improve and med-
25 ical care for recruits.

1 **SEC. 564. INCLUSION OF SPECIFIC EMAIL ADDRESS BLOCK**
2 **ON CERTIFICATE OF RELEASE OR DIS-**
3 **CHARGE FROM ACTIVE DUTY (DD FORM 214).**

4 (a) MODIFICATION REQUIRED.—The Secretary of
5 Defense shall modify the Certificate of Release or Dis-
6 charge from Active Duty (DD Form 214) to include a spe-
7 cific block explicitly identified as the location in which a
8 member of the Armed Forces may provide one or more
9 email addresses by which the member may be contacted
10 after discharge or release from active duty in the Armed
11 Forces.

12 (b) DEADLINE FOR MODIFICATION.—The Secretary
13 of Defense shall release a revised Certificate of Release
14 or Discharge from Active Duty (DD Form 214), modified
15 as required by subsection (a), not later than one year after
16 the date of the enactment of this Act.

17 **SEC. 565. MACHINE READABILITY AND ELECTRONIC**
18 **TRANSFERABILITY OF CERTIFICATE OF RE-**
19 **LEASE OR DISCHARGE FROM ACTIVE DUTY**
20 **(DD FORM 214).**

21 (a) MODIFICATION REQUIRED.—The Secretary of
22 Defense shall modify the Certificate of Release or Dis-
23 charge from Active Duty (DD Form 214) to be machine
24 readable and electronically transferable.

25 (b) DEADLINE FOR MODIFICATION.—The Secretary
26 of Defense shall release a revised Certificate of Release

1 or Discharge from Active Duty (DD Form 214), modified
2 pursuant to subsection (a), not later than four years after
3 the date of the enactment of this Act.

4 (c) REPORT.—Not later than 180 days after the date
5 of the enactment of this Act, the Secretary of Defense
6 shall submit a report to Congress regarding the following:

7 (1) What systems of the Department of De-
8 fense require an individual to manually enter infor-
9 mation from DD Form 214.

10 (2) What activities of the Department of De-
11 fense require a veteran or former member of the
12 Armed Forces to provide a physical copy of DD
13 Form 214.

14 (3) The order of priority for modernizing items
15 identified under paragraphs (1) and (2) as deter-
16 mined by the Secretary.

17 (4) The estimated cost, as determined by the
18 Secretary, to automate items identified under para-
19 graphs (1) and (2).

20 **SEC. 566. RECORDS OF SERVICE FOR RESERVES.**

21 (a) ESTABLISHMENT.—Not later than September 30,
22 2020, the Secretary of Defense shall establish and imple-
23 ment a standard record of service for members of the re-
24 serve components of the Armed Forces, similar to DD

1 Form 214, that summarizes the record of service of each
2 such member, including dates of active duty service.

3 (b) COORDINATION.—In carrying out this section, the
4 Secretary of Defense shall coordinate with the Secretary
5 of Veterans Affairs to ensure that the record established
6 under this section is acceptable as proof of service for
7 former members of the reserve components of the Armed
8 Forces who are eligible for benefits under laws adminis-
9 tered by the Secretary of Veterans Affairs to receive such
10 benefits.

11 **Subtitle H—Military Family Readiness and Dependents’ Education**

13 **SEC. 571. AUTHORIZING MEMBERS TO TAKE LEAVE FOR A** 14 **BIRTH OR ADOPTION IN MORE THAN ONE IN-** 15 **CREMENT.**

16 Section 701(i) of title 10, United States Code, is
17 amended by striking paragraph (5).

18 **SEC. 572. DEFERRED DEPLOYMENT FOR MEMBERS WHO** 19 **GIVE BIRTH.**

20 Section 701 of title 10, United States Code, is
21 amended by adding at the end the following new sub-
22 section:

23 “(l) A member of the armed forces who gives birth
24 while on active duty may not be deployed during the period
25 of 12 months beginning on the date of such birth except—

1 “(1) at the election of such member; and

2 “(2) with the approval of a health care provider
3 employed at a military medical treatment facility.”.

4 **SEC. 573. AUTHORITY OF THE SECRETARY CONCERNED TO**
5 **TRANSPORT REMAINS OF A COVERED DECE-**
6 **DENT TO NO MORE THAN TWO PLACES SE-**
7 **LECTED BY THE PERSON DESIGNATED TO DI-**
8 **RECT DISPOSITION OF THE REMAINS.**

9 (a) **AUTHORITY.**—Section 1482(a)(8) of title 10,
10 United States Code, is amended to read as follows:

11 “(8)(A) Transportation of the remains, and
12 travel and transportation allowances as specified in
13 regulations prescribed under section 464 of title 37
14 for an escort of one person, to the place, subject to
15 subparagraph (B), selected by the person designated
16 to direct disposition of the remains or, if such a se-
17 lection is not made, to a national or other cemetery
18 which is selected by the Secretary and in which bur-
19 ial of the decedent is authorized.

20 “(B) The person designated to direct disposi-
21 tion of the remains may select two places under sub-
22 paragraph (A) if the second place is a national cem-
23 etery. If that person selects two places, the Sec-
24 retary concerned may pay for transportation to the

1 second place only by means of reimbursement under
2 to subsection (b).

3 “(C) When transportation of the remains in-
4 cludes transportation by aircraft under section 562
5 of the John Warner National Defense Authorization
6 Act for Fiscal Year 2007 (Public Law 109–364; 10
7 U.S.C. 1482 note), the Secretary concerned shall
8 provide, to the maximum extent practicable, for de-
9 livery of the remains by air to the commercial, gen-
10 eral aviation, or military airport nearest to the place
11 selected by the designee.”.

12 (b) **MILITARY ESCORT AND HONOR GUARD ONLY TO**
13 **FIRST LOCATION.**—Section 562(b) of the John Warner
14 National Defense Authorization Act for Fiscal Year 2007
15 (Public Law 109–364; 10 U.S.C. 1482 note) is amended
16 by adding at the end the following: “If the person des-
17 igned to direct disposition of the remains selects two
18 places under such section, the term means only the first
19 of those two places.”.

20 **SEC. 574. CLARIFICATION REGARDING ELIGIBILITY TO**
21 **TRANSFER ENTITLEMENT UNDER POST-9/11**
22 **EDUCATIONAL ASSISTANCE PROGRAM.**

23 Section 3319(j) of title 38, United States Code, is
24 amended by adding at the end the following new para-
25 graph:

1 “(3) The Secretary of Defense may not prescribe any
2 regulation that would provide for a limitation on eligibility
3 to transfer unused education benefits to family members
4 based on a maximum number of years of service in the
5 Armed Forces.”.

6 **SEC. 575. ABSENTEE BALLOT TRACKING PROGRAM.**

7 (a) ESTABLISHMENT AND OPERATION OF PRO-
8 GRAM.—Section 102(h) of the Uniformed and Overseas
9 Citizens Absentee Voting Act (52 U.S.C. 20302(h)) is
10 amended to read as follows:

11 “(h) ABSENTEE BALLOT TRACKING PROGRAM.—

12 “(1) REQUIRING ESTABLISHMENT AND OPER-
13 ATION OF PROGRAM.—The chief State election offi-
14 cial, in coordination with local election jurisdictions,
15 shall establish and operate an absentee ballot track-
16 ing program described in paragraph (2) for the use
17 of absent uniformed services voters and overseas vot-
18 ers.

19 “(2) PROGRAM DESCRIBED.—

20 “(A) INFORMATION ON TRANSMISSION AND
21 RECEIPT OF ABSENTEE BALLOTS.—An absentee
22 ballot tracking program described in this para-
23 graph is a program under which—

24 “(i) the State or local election official
25 responsible for the transmission of absen-

1 tee ballots in an election for Federal office
2 operates procedures to track and confirm
3 the transmission of such ballots and to
4 make information on the transmission of
5 such a ballot available by means of online
6 access using the internet site of the offi-
7 cial's office; and

8 “(ii) the State or local election official
9 responsible for the receipt of absentee bal-
10 lots in an election for Federal office oper-
11 ates procedures to track and confirm the
12 receipt of such ballots and (subject to sub-
13 paragraph (B)) to make information on
14 the receipt of such a ballot available by
15 means of online access using the internet
16 site of the official's office.

17 “(B) SPECIFIC INFORMATION ON RECEIPT
18 OF VOTED ABSENTEE BALLOTS.—The informa-
19 tion required to be made available under clause
20 (ii) of subparagraph (A) with respect to the re-
21 ceipt of a voted absentee ballot in an election
22 for Federal office shall include information re-
23 garding whether the vote cast on the ballot was
24 counted, and, in the case of a vote which was
25 not counted, the reasons therefor. The appro-

1 prie State or local election official shall make
2 the information described in the previous sen-
3 tence available during the 30-day period that
4 begins on the date on which the results of the
5 election are certified, or during such earlier 30-
6 day period as the official may provide.

7 “(3) USE OF TOLL-FREE TELEPHONE NUMBER
8 BY OFFICIALS WITHOUT INTERNET SITE.—A pro-
9 gram established and operated by a State or local
10 election official whose office does not have an inter-
11 net site may meet the requirements of paragraph (2)
12 if the official has established and operates a toll-free
13 telephone number that may be used to obtain the in-
14 formation on the transmission or receipt of the ab-
15 sentee ballot which is required under such para-
16 graph.”.

17 (b) EFFECTIVE DATE.—The amendment made by
18 subsection (a) shall apply with respect to elections held
19 during 2020 or any succeeding year.

20 **SEC. 576. ANNUAL STATE REPORT CARD.**

21 Section 1111(h)(1)(C)(ii) of the Elementary and Sec-
22 ondary Education Act of 1965 (20 U.S.C.
23 6311(h)(1)(C)(ii)) is amended by striking “on active duty
24 (as defined in section 101(d)(5) of such title)”.

1 **SEC. 577. TRANSPORTATION OF REMAINS OF CASUALTIES;**
2 **TRAVEL EXPENSES FOR NEXT OF KIN.**

3 (a) TRANSPORTATION FOR REMAINS OF A MEMBER
4 WHO DIES NOT IN A THEATER OF COMBAT OPER-
5 ATIONS.—Section 562 of the John Warner National De-
6 fense Authorization Act for Fiscal Year 2007 (Public Law
7 109–364; 10 U.S.C. 1482 note) is amended—

8 (1) in the heading, by striking “**DYING IN A**
9 **THEATER OF COMBAT OPERATIONS**”; and

10 (2) in subsection (a), by striking “in a combat
11 theater of operations” and inserting “outside of the
12 United States”.

13 (b) TRANSPORTATION FOR FAMILY.—The Secretary
14 of Defense shall revise Department of Defense Instruction
15 1300.18 to extend travel privileges via Invitational Travel
16 Authorization to family members of members of the
17 Armed Forces who die outside of the United States and
18 whose remains are returned to the United States through
19 the mortuary facility at Dover Air Force Base, Delaware.

20 **SEC. 578. MEETINGS OF OFFICIALS OF THE DEPARTMENT**
21 **OF DEFENSE WITH SURVIVORS OF DECEASED**
22 **MEMBERS OF THE ARMED FORCES.**

23 (a) CHIEFS OF THE ARMED FORCES.—The Secretary
24 of Defense shall direct the chiefs of the Armed Forces to
25 meet periodically with survivors of deceased members of
26 the Armed Forces to receive feedback from those survivors

1 regarding issues affecting such survivors. The Chief of the
2 National Guard Bureau shall meet with survivors of de-
3 ceased members of the Air National Guard and the Army
4 National Guard.

5 (b) UNDER SECRETARY OF DEFENSE FOR PER-
6 SONNEL AND READINESS.—The Under Secretary of De-
7 fense for Personnel and Readiness shall meet periodically
8 with survivors of deceased members of the Armed Forces
9 to discuss policies of the Department of Defense regarding
10 military casualties and Gold Star families.

11 (c) BRIEFING.—Not later than April 1, 2020, the
12 Under Secretary of Defense for Personnel and Readiness
13 shall brief the Committee on Armed Services of the House
14 of Representatives regarding policies established and the
15 results of the meetings under subsection (b).

16 **SEC. 579. DIRECT EMPLOYMENT PILOT PROGRAM FOR**
17 **MEMBERS OF THE NATIONAL GUARD AND RE-**
18 **SERVE, VETERANS, THEIR SPOUSES AND DE-**
19 **PENDENTS, AND MEMBERS OF GOLD STAR**
20 **FAMILIES.**

21 (a) IN GENERAL.—The Secretary of Defense may
22 carry out a pilot program to enhance the efforts of the
23 Department of Defense to provide job placement assist-
24 ance and related employment services directly to the fol-
25 lowing:

1 (1) Members of the National Guard and Re-
2 serves in reserve active status.

3 (2) Veterans of the Armed Forces.

4 (3) Spouses and other dependents of individuals
5 referred to in paragraphs (1) and (2).

6 (4) Members of Gold Star Families.

7 (b) ADMINISTRATION.—The pilot program shall be
8 offered to, and administered by, the adjutants general ap-
9 pointed under section 314 of title 32, United States Code,
10 or other officials in the States concerned designated by
11 the Secretary for purposes of the pilot program.

12 (c) COST-SHARING REQUIREMENT.—As a condition
13 on the provision of funds under this section to a State
14 to support the operation of the pilot program in the State,
15 the State must agree to contribute an amount, derived
16 from non-Federal sources, equal to at least 50 percent of
17 the funds provided by the Secretary to the State under
18 this section.

19 (d) DIRECT EMPLOYMENT PROGRAM MODEL.—The
20 pilot program should follow a job placement program
21 model that focuses on working one-on-one with individuals
22 specified in subsection (a) to cost-effectively provide job
23 placement services, including services such as identifying
24 unemployed and underemployed individuals, job matching
25 services, resume editing, interview preparation, and post-

1 employment follow up. Development of the pilot program
2 should be informed by existing State direct employment
3 programs for members of the reserve components and vet-
4 erans.

5 (e) TRAINING.—The pilot program should draw on
6 the resources provided to transitioning members of the
7 Armed Forces with civilian training opportunities through
8 the SkillBridge transition training program administered
9 by the Department of Defense.

10 (f) EVALUATION.—The Secretary shall develop out-
11 come measurements to evaluate the success of the pilot
12 program.

13 (g) REPORTING REQUIREMENTS.—

14 (1) REPORT REQUIRED.—Not later than March
15 1, 2021, the Secretary of Defense shall submit to
16 the congressional defense committees a report de-
17 scribing the results of the pilot program. The Sec-
18 retary shall prepare the report in coordination with
19 the Secretary of Veterans Affairs and the Chief of
20 the National Guard Bureau.

21 (2) ELEMENTS OF REPORT.—A report under
22 paragraph (1) shall include the following:

23 (A) A description and assessment of the ef-
24 fectiveness and achievements of the pilot pro-
25 gram, including the number of members of the

1 reserve components and veterans of the Armed
2 Forces hired and the cost-per-placement of par-
3 ticipating members and veterans.

4 (B) An assessment of the impact of the
5 pilot program and increased reserve component
6 employment levels on the readiness of members
7 of the reserve components and on the retention
8 of members of the Armed Forces.

9 (C) A comparison of the pilot program to
10 other programs conducted by the Department
11 of Defense and Department of Veterans Affairs
12 to provide unemployment and underemployment
13 support to members of the reserve components
14 and veterans of the Armed Forces, including
15 the best practices developed through and used
16 in such programs.

17 (D) Any other matters considered appro-
18 priate by the Secretary of Defense.

19 (h) DURATION OF AUTHORITY.—The authority to
20 carry out the pilot program expires on September 30,
21 2023, except that the Secretary may, at the Secretary's
22 discretion, extend the pilot program for not more than two
23 additional fiscal years.

1 **SEC. 580. CONTINUED ASSISTANCE TO SCHOOLS WITH SIG-**
2 **NIFICANT NUMBERS OF MILITARY DEPEND-**
3 **ENT STUDENTS.**

4 (a) ASSISTANCE TO SCHOOLS WITH SIGNIFICANT
5 NUMBERS OF MILITARY DEPENDENT STUDENTS.—Of the
6 amount authorized to be appropriated for fiscal year 2020
7 in Division D of this Act and available for operation and
8 maintenance for Defense-wide activities as specified in the
9 funding table in Section 4301 of this Act, \$40,000,000
10 shall be available only for the purpose of providing assist-
11 ance to local educational agencies under subsection (a) of
12 section 572 of the National Defense Authorization Act for
13 Fiscal Year 2006 (Public Law 109–163; 20 U.S.C.
14 7703b).

15 (b) IMPACT AID FOR CHILDREN WITH SEVERE DIS-
16 ABILITIES.—Of the amount authorized to be appropriated
17 for fiscal year 2020 in Division D of this Act and available
18 for operation and maintenance for Defense-wide activities
19 as specified in the funding table in Section 4301 of this
20 Act, \$10,000,000 shall be available for payments under
21 section 363 of the Floyd D. Spence National Defense Au-
22 thorization Act for Fiscal Year 2001 (Public Law 106–
23 398; 20 U.S.C. 7703a).

24 (c) LOCAL EDUCATIONAL AGENCY DEFINED.—In
25 this section, the term “local educational agency” has the
26 meaning given that term in section 7013(9) of the Ele-

1 mentary and Secondary Education Act of 1965 (20 U.S.C.
2 7713(9)).

3 **Subtitle I—Decorations and**
4 **Awards**

5 **SEC. 581. EXPANSION OF GOLD STAR LAPEL BUTTON ELIGI-**
6 **BILITY TO STEPSIBLINGS; FREE REPLACE-**
7 **MENT.**

8 (a) **ELIGIBILITY OF STEPSIBLINGS.**—Subsection
9 (d)(3) of section 1126 of title 10, United States Code, is
10 amended by striking “and half sisters” and inserting “half
11 sisters, stepbrothers, and stepsisters”.

12 (b) **FREE REPLACEMENT.**—Subsection (c) of such
13 section is amended by striking “and payment of an
14 amount sufficient to cover the cost of manufacture and
15 distribution” and inserting “at no cost to that person”.

16 **SEC. 582. ESTABLISHMENT OF THE ATOMIC VETERANS**
17 **SERVICE MEDAL.**

18 (a) **SERVICE MEDAL REQUIRED.**—The Secretary of
19 Defense shall design and produce a military service medal,
20 to be known as the “Atomic Veterans Service Medal”, to
21 honor retired and former members of the Armed Forces
22 who are radiation-exposed veterans (as such term is de-
23 fined in section 1112(c)(3) of title 38, United States
24 Code).

25 (b) **DISTRIBUTION OF MEDAL.**—

1 (1) ISSUANCE TO RETIRED AND FORMER MEM-
2 BERS.—At the request of a radiation-exposed vet-
3 eran, the Secretary of Defense shall issue the Atom-
4 ic Veterans Service Medal to the veteran.

5 (2) ISSUANCE TO NEXT-OF-KIN.—In the case of
6 a radiation-exposed veteran who is deceased, the
7 Secretary may provide for issuance of the Atomic
8 Veterans Service Medal to the next-of-kin of the per-
9 son.

10 (3) APPLICATION.—The Secretary shall prepare
11 and disseminate as appropriate an application by
12 which radiation-exposed veterans and their next-of-
13 kin may apply to receive the Atomic Veterans Serv-
14 ice Medal.

15 **SEC. 583. REVIEW OF WORLD WAR I VALOR MEDALS.**

16 (a) REVIEW REQUIRED.—Each Secretary concerned
17 shall review the service records of each World War I vet-
18 eran described in subsection (b) under the jurisdiction of
19 such Secretary who is recommended for such review by
20 the Valor Medals Review Task Force referred to in sub-
21 section (c), or another veterans service organization, in
22 order to determine whether such veteran should be award-
23 ed the Medal of Honor for valor during World War I.

1 (b) COVERED WORLD WAR I VETERANS.—The
2 World War I veterans whose service records are to be re-
3 viewed under subsection (a) are the following:

4 (1) Any African American war veteran, Asian
5 American war veteran, Hispanic American war vet-
6 eran, Jewish American war veteran, or Native Amer-
7 ican war veteran who was awarded the Distinguished
8 Service Cross or the Navy Cross for an action that
9 occurred between April 6, 1917, and November 11,
10 1918.

11 (2) Any African American war veteran, Asian
12 American war veteran, Hispanic American war vet-
13 eran, Jewish American war veteran, or Native Amer-
14 ican war veteran who was awarded the Croix de
15 Guerre with Palm (that is, awarded at the Army
16 level or above) by the Government of France for an
17 action that occurred between April 6, 1917, and No-
18 vember 11, 1918.

19 (3) Any African American war veteran, Asian
20 American war veteran, Hispanic American war vet-
21 eran, Jewish American war veteran, or Native Amer-
22 ican war veteran who was recommended for a Medal
23 of Honor for an action that occurred from April 6,
24 1917, to November 11, 1918, if the Department of

1 Defense possesses or receives records relating to
2 such recommendation.

3 (c) CONSULTATIONS.—In carrying out the review
4 under subsection (a), each Secretary concerned may con-
5 sult with the Valor Medals Review Task Force, jointly es-
6 tablished by the United States Foundation for the Com-
7 memoration of the World Wars (in consultation with the
8 United States World War One Centennial Commission)
9 and the George S. Robb Centre for the Study of the Great
10 War, and with such other veterans service organizations
11 as such Secretary determines appropriate, until the con-
12 clusion of the review.

13 (d) RECOMMENDATION BASED ON REVIEW.—If a
14 Secretary concerned determines, based upon the review
15 under subsection (a), that the award of the Medal of
16 Honor to a covered World War I veteran is warranted,
17 such Secretary shall submit to the President a rec-
18 ommendation that the President award the Medal of
19 Honor to that veteran.

20 (e) AUTHORITY TO AWARD MEDAL OF HONOR.—The
21 Medal of Honor may be awarded to a World War I veteran
22 in accordance with a recommendation of a Secretary con-
23 cerned under subsection (d).

1 (f) WAIVER OF TIME LIMITATIONS.—An award of
2 the Medal of Honor may be made under subsection (e)
3 without regard to—

4 (1) section 7274 or 8298 of title 10, United
5 States Code, as applicable; and

6 (2) any regulation or other administrative re-
7 striction on—

8 (A) the time for awarding the Medal of
9 Honor; or

10 (B) the awarding of the Medal of Honor
11 for service for which a Distinguished Service
12 Cross or Navy Cross has been awarded.

13 (g) DEFINITIONS.—

14 (1) IN GENERAL.—In this section:

15 (A) AFRICAN AMERICAN WAR VETERAN.—

16 The term “African American war veteran”
17 means any person who served in the United
18 States Armed Forces between April 6, 1917,
19 and November 11, 1918, and who identified
20 himself as of African descent on his military
21 personnel records.

22 (B) ASIAN AMERICAN WAR VETERAN.—

23 The term “Asian American war veteran” means
24 any person who served in the United States
25 Armed Forces between April 6, 1917, and No-

1 vember 11, 1918, and who identified himself ra-
2 cially, nationally, or ethnically as originating
3 from a country in Asia on his military per-
4 sonnel records.

5 (C) HISPANIC AMERICAN WAR VETERAN.—
6 The term “Hispanic American war veteran”
7 means any person who served in the United
8 States Armed Forces between April 6, 1917,
9 and November 11, 1918, and who identified
10 himself racially, nationally, or ethnically as
11 originating from a country where Spanish is an
12 official language on his military personnel
13 records.

14 (D) JEWISH AMERICAN WAR VETERAN.—
15 The term “Jewish American war veteran” mean
16 any person who served in the United States
17 Armed Forces between April 6, 1917, and No-
18 vember 11, 1918, and who identified himself as
19 Jewish on his military personnel records.

20 (E) NATIVE AMERICAN WAR VETERAN.—
21 The term “Native American war veteran”
22 means any person who served in the United
23 States Armed Forces between April 6, 1917,
24 and November 11, 1918, and who identified
25 himself as a member of a federally recognized

1 tribe within the modern territory of the United
2 States on his military personnel records.

3 (F) SECRETARY CONCERNED.—The term
4 “Secretary concerned” means—

5 (i) the Secretary of the Army, in the
6 case of members of the Armed Forces who
7 served in the Army between April 6, 1917,
8 and November 11, 1918; and

9 (ii) the Secretary of the Navy, in the
10 case of members of the Armed Forces who
11 served in the Navy or the Marine Corps
12 between April 6, 1917, and November 11,
13 1918.

14 (2) APPLICATION OF DEFINITIONS OF ORI-
15 GIN.—If the military personnel records of a person
16 do not reflect the person’s membership in one of the
17 groups identified in subparagraphs (B) through (F)
18 of paragraph (1) but historical evidence exists that
19 demonstrates the person’s Jewish faith held at the
20 time of service, or that the person identified himself
21 as of African, Asian, Hispanic, or Native American
22 descent, the person may be treated as being a mem-
23 ber of the applicable group by the Secretary con-
24 cerned (in consultation with the organizations re-

1 ferred to in subsection (c)) for purposes of this sec-
2 tion.

3 **Subtitle J—Miscellaneous Reports**
4 **and Other Matters**

5 **SEC. 591. REPEAL OF QUARTERLY REPORT ON END**
6 **STRENGTHS.**

7 Section 115(e) of title 10, United States Code, is
8 amended by striking paragraph (3).

9 **SEC. 592. REVISION OF WORKPLACE AND GENDER RELA-**
10 **TIONS SURVEYS.**

11 (a) SURVEYS OF MEMBERS OF THE ARMED
12 FORCES.—Section 481(c) of title 10, United States Code,
13 is amended—

14 (1) in the matter preceding paragraph (1), by
15 inserting “unwanted sexual contact,” after “as-
16 sault,”;

17 (2) by redesignating paragraphs (3) through
18 (5) as paragraphs (4) through (6), respectively;

19 (3) by inserting after paragraph (2), the fol-
20 lowing new paragraph (3):

21 “(3) The specific types of unwanted sexual con-
22 tact that have occurred, and the number of times
23 each respondent has been subjected to unwanted
24 sexual contact during the preceding year.”;

1 (4) in paragraph (5), as so redesignated, by
2 striking “and assault” and inserting “assault, and
3 unwanted sexual contact”;

4 (5) in paragraph (6), as so redesignated, by
5 striking “or assault” and inserting “assault, or un-
6 wanted sexual contact”.

7 (b) SURVEYS OF CIVILIAN EMPLOYEES OF THE DE-
8 PARTMENT OF DEFENSE.—Section 481a of title 10,
9 United States Code, is amended—

10 (1) in subsection (a)(1), by striking “and dis-
11 crimination” and inserting “discrimination, and un-
12 wanted sexual contact”;

13 (2) in subsection (b)—

14 (A) by redesignating paragraphs (3)
15 through (5) as paragraphs (4) through (6), re-
16 spectively;

17 (B) by inserting after paragraph (2) the
18 following new paragraph (3):

19 “(3) The specific types of unwanted sexual con-
20 tact that civilian employees of the Department were
21 subjected to by other personnel of the Department
22 (including contractor personnel), and the number of
23 times each respondent has been subjected to un-
24 wanted sexual contact during the preceding fiscal
25 year.”;

1 (C) in paragraph (5), as so redesignated,
2 by striking “and discrimination” and inserting
3 “discrimination, and unwanted sexual contact”;
4 and

5 (D) in paragraph (6), as so redesignated,
6 by striking “or discrimination” and inserting
7 “discrimination, or unwanted sexual contact”.

8 (c) EFFECTIVE DATE.—The amendments made by
9 subsections (a) and (b) shall take effect on the date of
10 the enactment of this Act and shall apply with respect to
11 surveys under sections 481 and 481a of title 10, United
12 States Code, that are initiated after such date.

13 **SEC. 593. MODIFICATION OF ELEMENTS OF REPORTS ON**
14 **THE IMPROVED TRANSITION ASSISTANCE**
15 **PROGRAM.**

16 Section 552(b)(4) of the John S. McCain National
17 Defense Authorization Act for Fiscal Year 2019 (Public
18 Law 115–232) is amended—

19 (1) by redesignating subparagraphs (A) through
20 (D) as subparagraphs (B) through (E), respectively;

21 (2) by inserting before subparagraph (B), as re-
22 designated by paragraph (1), the following new sub-
23 paragraph (A):

1 “(A) The total number of members eligible
2 to attend Transition Assistance Program coun-
3 seling.”; and

4 (3) by adding at the end the following new sub-
5 paragraphs:

6 “(F) The number of members who partici-
7 pated in programs under section 1143(e) of
8 title 10, United States Code (commonly re-
9 ferred to as ‘Job Training, Employment Skills,
10 Apprenticeships and Internships (JTEST-AI)’
11 or ‘Skill Bridge’).

12 “(G) Such other information as is required
13 to provide Congress with a comprehensive de-
14 scription of the participation of the members in
15 the Transition Assistance Program and pro-
16 grams described in subparagraph (F).”.

17 **SEC. 594. QUESTIONS IN WORKPLACE SURVEYS REGARD-**
18 **ING SUPREMACIST, EXTREMIST, AND RACIST**
19 **ACTIVITY.**

20 The Secretary of Defense shall include, in the work-
21 place and equal opportunity, command climate, and work-
22 place and gender relations surveys administered by the Of-
23 fice of People Analytics of the Department of Defense,
24 questions regarding whether respondents have ever—

25 (1) experienced or witnessed in the workplace—

1 (A) supremacist activity;

2 (B) extremist activity; or

3 (C) racism; and

4 (2) reported activity described in paragraph (1).

5 **SEC. 595. COMMAND MATTERS IN CONNECTION WITH**
6 **TRANSITION ASSISTANCE PROGRAMS.**

7 (a) INCLUSION OF SUPPORT FOR PARTICIPATION IN
8 PROGRAMS IN COMMAND CLIMATE ASSESSMENTS.—Not
9 later than 180 days after the date of the enactment of
10 this Act, each command climate assessment for the com-
11 mander of a military installation shall include an assess-
12 ment of the extent to which the commander and other
13 command personnel at the installation encourage and sup-
14 port the participation in covered transition assistance pro-
15 grams of members of the Armed Forces at the installation
16 who are eligible for participation in such programs.

17 (b) TRAINING ON PROGRAMS.—The training provided
18 a commander of a military installation in connection with
19 the commencement of assignment to the installation shall
20 include a module on the covered transition assistance pro-
21 grams available for members of the Armed Forces as-
22 signed to the installation.

23 (c) COVERED TRANSITION ASSISTANCE PROGRAMS
24 DEFINED.—In this section, the term “covered transition
25 assistance programs” means the following:

1 (1) The Transition Assistance Program.

2 (2) The programs under section 1143(e) of title
3 10, United States Code (commonly referred to as
4 “Job Training, Employment Skills, Apprenticeships
5 and Internships (JTEST–AI)” or “Skill Bridge”).

6 (3) Any program of apprenticeship, on-the-job-
7 training, internship, education, or transition assist-
8 ance offered (whether by public or private entities)
9 in the vicinity of the military installation concerned
10 in which members of the Armed Forces at the instal-
11 lation are eligible to participate.

12 (4) Any other program of apprenticeship, on-
13 the-job training, internship, education, or transition
14 assistance specified by the Secretary of Defense for
15 purposes of this section.

16 **SEC. 596. EXPRESSING SUPPORT FOR THE DESIGNATION**
17 **OF A “GOLD STAR FAMILIES REMEMBRANCE**
18 **DAY”.**

19 (a) FINDINGS.—Congress finds the following:

20 (1) March 2, 2020, marked the 91st anniver-
21 sary of President Calvin Coolidge signing an Act of
22 Congress that approved and funded the first Gold
23 Star pilgrimage to enable Gold Star families to trav-
24 el to the gravesites of their loved ones who died dur-
25 ing World War I.

1 (2) The members of the Armed Forces of the
2 United States bear the burden of protecting the
3 freedom of the people of the United States.

4 (3) The sacrifices of the families of the fallen
5 members of the Armed Forces of the United States
6 should never be forgotten.

7 (b) SENSE OF CONGRESS.—It is the sense of Con-
8 gress to—

9 (1) support the designation of a “Gold Star
10 Families Remembrance Day”;

11 (2) honor and recognize the sacrifices made by
12 the families of members of the Armed Forces of the
13 United States who gave their lives to defend freedom
14 and protect America; and

15 (3) encourage the people of the United States
16 to observe “Gold Star Families Remembrance Day”
17 by—

18 (A) performing acts of service and good
19 will in their communities; and

20 (B) celebrating the lives of those who have
21 made the ultimate sacrifice so that others could
22 continue to enjoy life, liberty, and the pursuit
23 of happiness.

1 **TITLE VI—COMPENSATION AND**
2 **OTHER PERSONNEL BENEFITS**
3 **Subtitle A—Pay and Allowances**

4 **SEC. 601. CLARIFICATION OF CONTINUATION OF PAYS DUR-**
5 **ING HOSPITALIZATION AND REHABILITATION**
6 **RESULTING FROM WOUNDS, INJURY, OR ILL-**
7 **NESS INCURRED WHILE ON DUTY IN A HOS-**
8 **TILE FIRE AREA OR EXPOSED TO AN EVENT**
9 **OF HOSTILE FIRE OR OTHER HOSTILE AC-**
10 **TION.**

11 Section 372(b)(1) of title 37, United States Code, is
12 amended to read as follows:

13 “(1) The date on which the member is returned
14 for assignment to other than a medical or patient
15 unit for duty; however, in the case of a member
16 under the jurisdiction of a Secretary of a military
17 department, the date on which the member is deter-
18 mined fit for duty.”.

19 **SEC. 602. BASIC NEEDS ALLOWANCE FOR LOW-INCOME**
20 **REGULAR MEMBERS.**

21 (a) **IN GENERAL.**—Chapter 7 of title 37, United
22 States Code, is amended by inserting after section 402a
23 the following new section:

1 **“§ 402b. Basic needs allowance for low-income reg-**
2 **ular members**

3 “(a) ALLOWANCE REQUIRED.—(1) Subject to para-
4 graph (2), the Secretary of Defense shall pay to each cov-
5 ered member a basic needs allowance in the amount deter-
6 mined for such member under subsection (b).

7 “(2) In the event a household contains two or more
8 covered members entitled to receive the allowance under
9 this section in a given year, only one allowance may be
10 paid for that year to a covered member among such cov-
11 ered members whom such covered members shall jointly
12 elect.

13 “(b) AMOUNT OF ALLOWANCE FOR A COVERED
14 MEMBER.—(1) The amount of the monthly allowance pay-
15 able to a covered member under subsection (a) for a year
16 shall be the aggregate amount equal to—

17 “(A) the aggregate amount equal to—

18 “(i) 130 percent of the Federal poverty guide-
19 lines of the Department of Health and Human Serv-
20 ices for the location and number of persons in the
21 household of the covered member for such year;
22 minus

23 “(ii) the gross household income of the covered
24 member during the preceding year; and

25 “(B) divided by 12.

1 “(2) The monthly allowance payable to a covered
2 member for a year shall be payable for each of the 12
3 months following March of such year.

4 “(c) NOTICE OF ELIGIBILITY.—(1)(A) Not later than
5 December 31 each year, the Director of the Defense Fi-
6 nance and Accounting Service shall notify, in writing, each
7 individual whom the Director estimates will be a covered
8 member during the following year of the potential entitle-
9 ment of that individual to the allowance described in sub-
10 section (a) for that following year.

11 “(B) The preliminary notice under subparagraph (A)
12 shall include information regarding financial management
13 and assistance programs administered by the Secretary of
14 Defense for which a covered member is eligible.

15 “(2) Not later than January 31 each year, each indi-
16 vidual who seeks to receive the allowance for such year
17 (whether or not subject to a notice for such year under
18 paragraph (1)) shall submit to the Director such informa-
19 tion as the Director shall require for purposes of this sec-
20 tion in order to determine whether or not such individual
21 is a covered member for such year.

22 “(3) Not later than February 28 each year, the Di-
23 rector shall notify, in writing, each individual the Director
24 determines to be a covered member for such year.

1 “(d) ELECTION NOT TO RECEIVE ALLOWANCE.—(1)
2 A covered member otherwise entitled to receive the allow-
3 ance under subsection (a) for a year may elect, in writing,
4 not to receive the allowance for such year. Any election
5 under this subsection shall be effective only for the year
6 for which made. Any election for a year under this sub-
7 section is irrevocable.

8 “(2) A covered member who does not submit informa-
9 tion described in subsection (d)(2) for a year as otherwise
10 required by that subsection shall be deemed to have elect-
11 ed not to receive the allowance for such year.

12 “(e) DEFINITIONS.—In this section:

13 “(1) The term ‘covered member’ means a reg-
14 ular member of the Army, Navy, Marine Corps, or
15 Air Force—

16 “(A) who has completed initial entry train-
17 ing;

18 “(B) whose gross household income during
19 the most recent year did not exceed an amount
20 equal to 130 percent of the Federal poverty
21 guidelines of the Department of Health and
22 Human Services for the location and number of
23 persons in the household of the covered member
24 for such year; and

1 “(C) who does not elect under subsection
2 (d) not to receive the allowance for such year.

3 “(2) The term ‘gross household income’ of a
4 covered member for a year for purposes of para-
5 graph (1)(B) does not include any basic allowance
6 for housing received by the covered member (and
7 any dependents of the covered member in the house-
8 hold of the covered member) during such year under
9 section 403 of this title.

10 “(f) REGULATIONS.—The Secretary of Defense shall
11 prescribe regulations for the administration of this section.
12 Subject to subsection (e)(2), such regulations shall specify
13 the income to be included in, and excluded from, the gross
14 household income of individuals for purposes of this sec-
15 tion.”.

16 (b) CLERICAL AMENDMENT.—The table of sections
17 at the beginning of chapter 7 of such title is amended by
18 inserting after the item relating to section 402a the fol-
19 lowing new item:

 “402b. Basic needs allowance for low-income regular members.”.

1 **SEC. 603. TEMPORARY INCREASE OF RATES OF BASIC AL-**
2 **LOWANCE FOR HOUSING FOLLOWING DETER-**
3 **MINATION THAT LOCAL CIVILIAN HOUSING**
4 **COSTS SIGNIFICANTLY EXCEED SUCH RATES.**

5 Section 403(b) of title 37, United States Code, is
6 amended by adding at the end the following new para-
7 graph:

8 “(8)(A) The Secretary of Defense may prescribe a
9 temporary increase in the current rates of basic allowance
10 for housing for a military housing area or a portion there-
11 of (in this paragraph, ‘BAH rates’) if the Secretary deter-
12 mines that the actual costs of adequate housing for civil-
13 ians in that military housing area or portion thereof ex-
14 ceed the current BAH rates by more than 20 percent.

15 “(B) Any temporary increase in BAH rates under
16 this paragraph shall remain in effect only until the effec-
17 tive date of the first adjustment of BAH rates for the af-
18 fected military housing area that occurs after the date of
19 the increase under this paragraph.

20 “(C) This paragraph shall cease to be effective on
21 September 30, 2022.”.

1 **SEC. 604. BASIC ALLOWANCE FOR HOUSING FOR A MEMBER**
2 **WITHOUT DEPENDENTS WHEN RELOCATION**
3 **WOULD FINANCIALLY DISADVANTAGE THE**
4 **MEMBER.**

5 Section 403(o) of title 37, United States Code, is
6 amended—

7 (1) by inserting “(1)” before “In”; and

8 (2) by adding at the end the following new
9 paragraph:

10 “(2)(A) In the case of a member described in sub-
11 paragraph (B), the member may be treated for the pur-
12 poses of this section as if the unit to which the member
13 is assigned did not undergo a change of home port or a
14 change of permanent duty station if the Secretary con-
15 cerned determines that it would be inequitable to base the
16 member’s entitlement to, and amount of, a basic allowance
17 for housing on the new home port or permanent duty sta-
18 tion.

19 “(B) A member described in this subparagraph—

20 “(i) has no dependents;

21 “(ii) is assigned to a unit that undergoes a
22 change of home port or a change of permanent duty
23 station; and

24 “(iii) is in receipt of orders to return to the pre-
25 vious home port or duty station.”.

1 **SEC. 605. PARTIAL DISLOCATION ALLOWANCE.**

2 (a) CURRENT AUTHORITY.—Section 477(f)(1) of title
3 37, United States Code, is amended by striking “family”.

4 (b) FUTURE AUTHORITY.—Section 452(c) of title 37,
5 United States Code, is amended—

6 (1) by redesignating paragraph (3) as para-
7 graph (4); and

8 (2) by inserting after paragraph (2) the fol-
9 lowing new paragraph (3):

10 “(3)(A) A partial dislocation allowance paid to
11 a member ordered to occupy or vacate housing pro-
12 vided by the United States.

13 “(B) Beginning on January 1, 2022, the partial
14 dislocation allowance under subparagraph (A) shall,
15 subject to subparagraph (C), be equal in value to the
16 allowance under section 477(f) of this title on De-
17 cember 31, 2021, as adjusted in regulations pre-
18 scribed by the Secretary concerned under the au-
19 thority established by that section.

20 “(C) Effective on the same date in 2022 and
21 any subsequent year that the monthly rates of basic
22 pay for all members are increased under section
23 1009 of this title or another provision of law, the
24 Secretary of Defense shall adjust the rate of the
25 partial dislocation allowance under this paragraph

1 by the percentage equal to the average percentage
2 increase in the rates of basic pay.”.

3 **Subtitle B—Bonuses and Special**
4 **Incentive Pays**

5 **SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING**
6 **BONUS AND SPECIAL PAY AUTHORITIES.**

7 (a) AUTHORITIES RELATING TO RESERVE
8 FORCES.—Section 910(g) of title 37, United States Code,
9 relating to income replacement payments for reserve com-
10 ponent members experiencing extended and frequent mo-
11 bilization for active duty service, is amended by striking
12 “December 31, 2019” and inserting “December 31,
13 2020”.

14 (b) TITLE 10 AUTHORITIES RELATING TO HEALTH
15 CARE PROFESSIONALS.—The following sections of title
16 10, United States Code, are amended by striking “Decem-
17 ber 31, 2019” and inserting “December 31, 2020”:

18 (1) Section 2130a(a)(1), relating to nurse offi-
19 cer candidate accession program.

20 (2) Section 16302(d), relating to repayment of
21 education loans for certain health professionals who
22 serve in the Selected Reserve.

23 (c) AUTHORITIES RELATING TO NUCLEAR OFFI-
24 CERS.—Section 333(i) of title 37, United States Code, is

1 amended by striking “December 31, 2019” and inserting
2 “December 31, 2020”.

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 2019” and inserting “December 31, 2020”:

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, 2019” and inserting “Decem-
8 ber 31, 2020”.

9 **Subtitle C—Family and Survivor**
10 **Benefits**

11 **SEC. 621. PAYMENT OF TRANSITIONAL COMPENSATION**
12 **FOR CERTAIN DEPENDENTS.**

13 Section 1059(m) of title 10, United States Code, is
14 amended—

15 (1) in the subsection heading, by inserting
16 “MEMBERS OR” after “DEPENDENTS OF”;

17 (2) by inserting “member or” before “former
18 member” each place it appears; and

19 (3) by amending paragraph (3) to read as fol-
20 lows:

21 “(3) For the purposes of this subsection, a member
22 is considered separated from active duty upon the earliest
23 of—

24 “(A) the date an administrative separation is
25 initiated by a commander of the member;

1 “(B) the date the court-martial sentence is ad-
2 judged if the sentence, as adjudged, includes a dis-
3 missal, dishonorable discharge, bad conduct dis-
4 charge, or forfeiture of all pay and allowances; or

5 “(C) the date the member’s term of service ex-
6 pires.”.

7 **SECTION 622. DEATH GRATUITY FOR ROTC GRADUATES.**

8 (a) IN GENERAL.—Section 1475(a)(4) of title 10,
9 United States Code, is amended by adding “; or a grad-
10 uate of a reserve officers’ training corps who has yet to
11 receive a first duty assignment; or” at the end.

12 (b) EFFECTIVE DATE.—The amendment under sub-
13 section (a) applies to deaths that occur on or after the
14 date of the enactment of this Act.

15 **SEC. 623. CONTINUED ELIGIBILITY FOR EDUCATION AND**
16 **TRAINING OPPORTUNITIES FOR SPOUSES OF**
17 **PROMOTED MEMBERS.**

18 Section 1784a(b) of title 10, United States Code, is
19 amended—

20 (1) by inserting “(1)” before “Assistance”; and

21 (2) by adding at the end the following new
22 paragraph:

23 “(2) A spouse who is eligible for a program under
24 this section and begins a course of education or training
25 for a degree, license, or credential described in subsection

1 (a) may not become ineligible to complete such course of
2 education or training solely because the member to whom
3 the spouse is married is promoted to a higher grade.”.

4 **SEC. 624. OCCUPATIONAL IMPROVEMENTS FOR RELO-**
5 **CATED SPOUSES OF MEMBERS OF THE UNI-**
6 **FORMED SERVICES.**

7 (a) IMPROVEMENT OF OCCUPATIONAL LICENSE
8 PORTABILITY FOR MILITARY SPOUSES THROUGH INTER-
9 STATE COMPACTS.—Section 1784 of title 10, United
10 States Code, is amended by adding at the end the fol-
11 lowing new subsection:

12 “(h) IMPROVEMENT OF OCCUPATIONAL LICENSE
13 PORTABILITY THROUGH INTERSTATE COMPACTS.—

14 “(1) IN GENERAL.—The Secretary of Defense
15 may enter into a cooperative agreement with the
16 Council of State Governments to assist with funding
17 of the development of interstate compacts on li-
18 censed occupations in order to alleviate the burden
19 associated with relicensing in such an occupation by
20 spouse of a members of the armed forces in connec-
21 tion with a permanent change of duty station of
22 members to another State.

23 “(2) LIMITATION.—The amount provided under
24 paragraph (1) as assistance for the development of

1 any particular interstate compact may not exceed
2 \$1,000,000.

3 “(3) ANNUAL REPORT.—Not later than Feb-
4 ruary 28 each year, the Secretary shall submit to
5 the Committees on Armed Services of the Senate
6 and the House of Representatives a report on inter-
7 state compacts described in paragraph (1) developed
8 through assistance provided under that paragraph.
9 Each report shall set forth the following:

10 “(A) Any interstate compact developed
11 during the preceding calendar year, including
12 the occupational licenses covered by such com-
13 pact and the States agreeing to enter into such
14 compact.

15 “(B) Any interstate compact developed
16 during a prior calendar year into which one or
17 more additional States agreed to enter during
18 the preceding calendar year.

19 “(4) EXPIRATION.—The authority to enter into
20 a cooperative agreement under paragraph (1), and
21 to provide assistance described in that paragraph
22 pursuant to such cooperative agreement, shall expire
23 on September 30, 2024.”.

1 (b) GUARANTEE OF RESIDENCY FOR REGISTRATION
2 OF BUSINESSES OF SPOUSES OF MEMBERS OF UNI-
3 FORMED SERVICES.—

4 (1) IN GENERAL.—Title VI of the
5 Servicemembers Civil Relief Act (50 U.S.C. 4021 et
6 seq.) is amended by adding at the end the following
7 new section:

8 **“SEC. 707. GUARANTEE OF RESIDENCY FOR BUSINESSES OF**
9 **SPOUSES OF SERVICEMEMBERS.**

10 “For the purposes of registering a business—

11 “(1) a person who is absent from a State be-
12 cause the person is accompanying the person’s
13 spouse who is absent from that same State in com-
14 pliance with military or naval orders shall not, solely
15 by reason of that absence—

16 “(A) be deemed to have lost a residence or
17 domicile in that State, without regard to wheth-
18 er or not the person intends to return to that
19 State;

20 “(B) be deemed to have acquired a resi-
21 dence or domicile in any other State; or

22 “(C) be deemed to have become a resident
23 in or a resident of any other State; and

24 “(2) the spouse of a servicemember may elect
25 to use the same residence as the servicemember re-

1 regardless of the date on which the marriage of the
2 spouse and the servicemember occurred.”.

3 (2) CLERICAL AMENDMENT.—The table of con-
4 tents in section 1(b) of such Act is amended by in-
5 serting after the item relating to section 706 the fol-
6 lowing new item:

 “Sec. 707. Guarantee of residency for businesses of spouses of
 servicemembers.”.

7 **SEC. 625. EXPANSION OF AUTHORITY TO PROVIDE FINAN-**
8 **CIAL ASSISTANCE TO CIVILIAN PROVIDERS**
9 **OF CHILD CARE SERVICES OR YOUTH PRO-**
10 **GRAM SERVICES WHO PROVIDE SUCH SERV-**
11 **ICES TO SURVIVORS OF MEMBERS OF THE**
12 **ARMED FORCES WHO DIE IN LINE OF DUTY.**

13 Section 1798(a) of title 10, United States Code, is
14 amended by inserting “, survivors of members of the
15 armed forces who die in line of duty while on active duty,
16 active duty for training, or inactive duty for training,”
17 after “armed forces”.

18 **SEC. 626. SPACE-AVAILABLE TRAVEL ON MILITARY AIR-**
19 **CRAFT FOR CHILDREN AND SURVIVING**
20 **SPOUSES OF MEMBERS WHO DIE OF HOSTILE**
21 **ACTION OR TRAINING DUTY.**

22 Section 2641b(c) of title 10, United States Code, is
23 amended—

1 (1) by redesignating paragraph (6) as para-
2 graph (7); and

3 (2) by inserting after paragraph (5) the fol-
4 lowing new paragraph (6):

5 “(6) Children (as described by section
6 1072(2)(D) or section 1110b(b) of this title, as the
7 case may be) and surviving spouses of members of
8 the armed forces who die as a result of hostile action
9 or training duty.”.

10 **SEC. 627. CONSIDERATION OF SERVICE ON ACTIVE DUTY**

11 **TO REDUCE AGE OF ELIGIBILITY FOR RE-**

12 **TIRED PAY FOR NON-REGULAR SERVICE.**

13 Section 12731(f)(2)(B)(i) of title 10, United States
14 Code, is amended by striking “under a provision of law
15 referred to in section 101(a)(13)(B) or under section
16 12301(d)” and inserting “under section 12301(d) or
17 12304b of this title, or under a provision of law referred
18 to in section 101(a)(13)(B)”.

19 **SEC. 628. MODIFICATION TO AUTHORITY TO REIMBURSE**

20 **FOR STATE LICENSURE AND CERTIFICATION**

21 **COSTS OF A SPOUSE OF A MEMBER ARISING**

22 **FROM RELOCATION.**

23 Section 476(p) of title 37, United States Code, is
24 amended—

1 (1) in paragraph (1), by striking “armed
2 forces” and inserting “uniformed services”;

3 (2) in paragraph (2), by striking “\$500” and
4 inserting “\$1,000”;

5 (3) in paragraph (3)—

6 (A) in subparagraph (A), by striking
7 “and”;

8 (B) in subparagraph (B), by striking the
9 period and inserting “; and”; and

10 (C) by adding at the end the following new
11 subparagraph:

12 “(C) an analysis of whether the maximum reim-
13 bursement amount under paragraph (2) is sufficient
14 to cover the average costs of relicensing described in
15 paragraph (1).”; and

16 (4) in paragraph (4), by striking “December
17 31, 2022” and inserting “December 31, 2024”.

18 **SEC. 629. IMPROVEMENTS TO CHILD CARE FOR MEMBERS**
19 **OF THE ARMED FORCES.**

20 (a) EXPANSION OF AUTHORITY TO PROVIDE FINAN-
21 CIAL ASSISTANCE TO CIVILIAN PROVIDERS OF CHILD
22 CARE SERVICES OR YOUTH PROGRAM SERVICES WHO
23 PROVIDE SUCH SERVICES TO SURVIVORS OF MEMBERS
24 OF THE ARMED FORCES WHO DIE IN THE LINE OF
25 DUTY.—Section 1798(a) of title 10, United States Code,

1 is amended by inserting “, survivors of members of the
2 armed forces who die in the line of duty while on active
3 military, naval, or air service (as that term is defined in
4 section 101 of title 38),” after “armed forces”.

5 (b) EXPANSION OF DIRECT HIRING AUTHORITY FOR
6 CHILD CARE SERVICE PROVIDERS.—Section 559 of the
7 National Defense Authorization Act for Fiscal Year 2018
8 (Public Law 115–91; 10 U.S.C. 1792 note) is amended—

9 (1) in the section heading, by striking “**FOR**
10 **DEPARTMENT CHILD DEVELOPMENT CEN-**
11 **TERS**”;

12 (2) in subsection (a)(1), by striking for “De-
13 partment of Defense child development centers” and
14 inserting “for the Department of Defense”; and

15 (3) in subsection (e), by striking “in child de-
16 velopment centers”.

17 (c) ASSESSMENT OF FINANCIAL ASSISTANCE PRO-
18 VIDED TO CIVILIAN CHILD CARE PROVIDERS.—

19 (1) ASSESSMENT.—The Secretary of Defense
20 shall assess the maximum amount of financial as-
21 sistance provided to eligible civilian providers of
22 child care services or youth program services that
23 furnish such service for members of the armed
24 forces and employees of the United States under sec-
25 tion 1798 of title 10, United States Code, as amend-

1 ed by subsection (a). Such assessment shall include
2 the following:

3 (A) The determination of the Secretary
4 whether the maximum allowable financial as-
5 sistance should be standardized across the
6 Armed Forces.

7 (B) Whether the maximum allowable
8 amount adequately accounts for high-cost duty
9 stations.

10 (2) REPORT.—No later than June 1, 2020, the
11 Secretary of Defense shall submit a report to the
12 Committees on Armed Services of the Senate and
13 the House of Representatives regarding the results
14 of the assessment under paragraph (1) and any ac-
15 tions taken by the Secretary to remedy identified
16 shortfalls in assistance described in that paragraph.

17 (d) ASSESSMENT OF CHILD CARE CAPACITY ON
18 MILITARY INSTALLATIONS.—

19 (1) ASSESSMENT.—The Secretary of Defense
20 shall assess the capacity for child care at all military
21 installations to ensure that members of the Armed
22 Forces have meaningful access to child care during
23 tours of duty.

24 (2) REMEDIAL ACTION.—The Secretary of De-
25 fense shall take steps the Secretary determines nec-

1 essary to alleviate the waiting lists for child care de-
2 scribed in paragraph (1).

3 (3) REPORT.—Not later than June 1, 2020, the
4 Secretary of Defense shall provide a report to the
5 Committees on Armed Forces of the Senate and the
6 House of Representative regarding—

7 (A) the assessment under paragraph (1);

8 (B) action taken under paragraph (2); and

9 (C) any additional resources (including ad-
10 ditional funding for and child care facilities and
11 workers) the Secretary determines necessary to
12 increase access described in paragraph (1).

13 (e) ASSESSMENT OF ACCESSIBILITY OF WEBSITES
14 OF THE DEPARTMENT OF DEFENSE RELATED TO CHILD
15 CARE AND SPOUSAL EMPLOYMENT.—

16 (1) ASSESSMENT.—The Secretary of Defense
17 shall review the functions and accessibility of
18 websites of the Department of Defense designed for
19 members of the Armed Forces and the families of
20 such members to access information and services of-
21 fered by the Department regarding child care,
22 spousal employment, and other family matters.

23 (2) REPORT.—Not later than March 1, 2020,
24 the Secretary of Defense shall provide a briefing to
25 the Committees on Armed Services of the Senate

1 and the House of Representatives regarding the re-
2 sults of the assessment under paragraph (1) and ac-
3 tions taken to enhance accessibility of the websites.

4 (f) PORTABILITY OF BACKGROUND INVESTIGATIONS
5 FOR CHILD CARE PROVIDERS.—Not later than 180 days
6 after the date of the enactment of this Act, the Secretary
7 of Defense shall ensure that the background investigation
8 and training certification for a child care provider em-
9 ployed by the Department of Defense in a facility of the
10 Department may be transferred to another facility of the
11 Department, without regard to which Secretary of a mili-
12 tary department has jurisdiction over either such facility.

13 **SEC. 630. CASUALTY ASSISTANCE FOR SURVIVORS OF DE-**
14 **CEASED ROTC GRADUATES.**

15 Section 633 of the National Defense Authorization
16 Act for Fiscal Year 2014 (10 U.S.C. 1475 note) is amend-
17 ed by adding at the end the following new subsection:

18 “(c) ROTC GRADUATES.—

19 “(1) TREATED AS MEMBERS.—For purposes of
20 this section, a graduate of a reserve officers’ train-
21 ing corps who dies before receiving a first duty as-
22 signment shall be treated as a member of the Armed
23 Forces who dies while on active duty.

24 “(2) EFFECTIVE DATE.—This subsection ap-
25 plies to deaths on or after the date of the enactment

1 of the National Defense Authorization Act for Fiscal
2 Year 2020.”.

3 **Subtitle D—Defense Resale Matters**

4 **SEC. 631. GAO REVIEW OF DEFENSE RESALE OPTIMIZATION**

5 **STUDY.**

6 (a) REVIEW.—The Comptroller General of the United
7 States shall conduct a review of the business case analysis
8 performed as part of the defense resale optimization study
9 conducted by the Reform Management Group, titled
10 “Study to Determine the Feasibility of Consolidation of
11 the Defense Resale Entities” and dated December 4,
12 2018.

13 (b) REPORT REQUIRED; ELEMENTS.—Not later than
14 April 1, 2020, the Comptroller General shall submit to the
15 Committees on Armed Services of the Senate and the
16 House of Representatives a report regarding the review
17 performed under this section. The report shall include
18 evaluations of the following:

19 (1) The descriptions and justifications for the
20 assumptions, analytical choices and data used by the
21 Reform Management Group to calculate:

22 (A) Pricing.

23 (B) Sales assumptions.

24 (C) Accuracy of methods employed to
25 measure patron savings levels.

1 (2) The timetable for consolidation of military
2 exchanges and commissaries.

3 (3) The recommendations for consolidation de-
4 veloped as part of the business case analysis, includ-
5 ing the overall cost of consolidation.

6 (4) The budget and oversight implications of
7 merging non-appropriated funds and appropriated
8 funds to implement the recommended reforms.

9 (5) The extent to which the Reform Manage-
10 ment Group coordinated with the Secretaries of the
11 military departments and the chiefs of the Armed
12 Forces in preparing the study.

13 (6) The extent to which the Reform Manage-
14 ment Group addressed concerns of the Secretaries of
15 the military departments and the chiefs of the
16 Armed Forces in the study.

17 (7) If the recommendations in the business case
18 analysis were implemented—

19 (A) the ability of military exchanges and
20 commissaries to provide earnings to support on-
21 base morale, welfare, and recreation programs;
22 and

23 (B) the financial viability of the military
24 exchanges and commissaries.

1 (c) DELAY ON CONSOLIDATION.—The Secretary of
2 Defense may not take any action to consolidate military
3 exchanges and commissaries until the Committees on
4 Armed Services of the Senate and the House of Represent-
5 atives notify the Secretary in writing of receipt and accept-
6 ance of the findings of the Comptroller General in the re-
7 port required under this section.

8 **TITLE VII—HEALTH CARE**
9 **PROVISIONS**
10 **Subtitle A—TRICARE and Other**
11 **Health Care Benefits**

12 **SEC. 701. CONTRACEPTION COVERAGE PARITY UNDER THE**
13 **TRICARE PROGRAM.**

14 (a) IN GENERAL.—Section 1074d of title 10, United
15 States Code, is amended—

16 (1) in subsection (a), by inserting “FOR MEM-
17 BERS AND FORMER MEMBERS” after “SERVICES
18 AVAILABLE”;

19 (2) by redesignating subsection (b) as sub-
20 section (d); and

21 (3) by inserting after subsection (a) the fol-
22 lowing new subsections:

23 “(b) CARE RELATED TO PREVENTION OF PREG-
24 NANCY.—Female covered beneficiaries shall be entitled to

1 care related to the prevention of pregnancy described by
2 subsection (d)(3).

3 “(c) PROHIBITION ON COST SHARING FOR CERTAIN
4 SERVICES.—Notwithstanding section 1074g(a)(6), section
5 1075, or section 1075a of this title, or any other provision
6 of law, cost sharing may not be imposed or collected for
7 care related to the prevention of pregnancy provided pur-
8 suant to subsection (a) or (b), including for any method
9 of contraception provided, whether provided through a fa-
10 cility of the uniformed services, the TRICARE retail phar-
11 macy program, or the national mail-order pharmacy pro-
12 gram.”.

13 (b) CONFORMING AMENDMENT.—Section
14 1077(a)(13) of such title is amended by striking “section
15 1074d(b)” and inserting “section 1074d(d)”.

16 **SEC. 702. PREGNANCY PREVENTION ASSISTANCE AT MILI-**
17 **TARY MEDICAL TREATMENT FACILITIES FOR**
18 **SEXUAL ASSAULT SURVIVORS.**

19 (a) IN GENERAL.—Chapter 55 of title 10, United
20 States Code, is amended by inserting after section 1074o
21 the following new section:

1 **“§ 1074p. Provision of pregnancy prevention assist-**
2 **ance at military medical treatment facili-**
3 **ties**

4 “(a) INFORMATION AND ASSISTANCE.—The Sec-
5 retary of Defense shall promptly furnish to sexual assault
6 survivors at each military medical treatment facility the
7 following:

8 “(1) Comprehensive, medically and factually ac-
9 curate, and unbiased written and oral information
10 about all methods of emergency contraception ap-
11 proved by the Food and Drug Administration.

12 “(2) Notification of the right of the sexual as-
13 sault survivor to confidentiality with respect to the
14 information and care and services furnished under
15 this section.

16 “(3) Upon request by the sexual assault sur-
17 vivor, emergency contraception or, if applicable, a
18 prescription for emergency contraception.

19 “(b) INFORMATION.—The Secretary shall ensure that
20 information provided pursuant to subsection (a) is pro-
21 vided in language that—

22 “(1) is clear and concise;

23 “(2) is readily comprehensible; and

24 “(3) meets such conditions (including condi-
25 tions regarding the provision of information in lan-

1 guages other than English) as the Secretary may
2 prescribe in regulations to carry out this section.

3 “(c) DEFINITIONS.—In this section:

4 “(1) The term ‘sexual assault survivor’ means
5 any individual who presents at a military medical
6 treatment facility and—

7 “(A) states to personnel of the facility that
8 the individual experienced a sexual assault;

9 “(B) is accompanied by another person
10 who states that the individual experienced a
11 sexual assault; or

12 “(C) whom the personnel of the facility
13 reasonably believes to be a survivor of sexual
14 assault.

15 “(2) The term ‘sexual assault’ means the con-
16 duct described in section 1565b(c) of this title that
17 may result in pregnancy.”.

18 (b) CLERICAL AMENDMENT.—The table of sections
19 at the beginning of such chapter is amended by inserting
20 after the item relating to section 1074o the following new
21 item:

 “1074p. Provision of pregnancy prevention assistance at military medical treat-
 ment facilities.”.

1 **SEC. 703. MODIFICATION OF ELIGIBILITY FOR TRICARE RE-**
2 **SERVE SELECT FOR CERTAIN MEMBERS OF**
3 **THE SELECTED RESERVE.**

4 Section 1076d(a)(2) of title 10, United States Code,
5 is amended by striking “Paragraph (1) does not apply”
6 and inserting “During the period preceding January 1,
7 2030, paragraph (1) does not apply”.

8 **SEC. 704. LEAD LEVEL SCREENINGS AND TESTINGS FOR**
9 **CHILDREN.**

10 (a) TRICARE.—

11 (1) WELL-BABY CARE.—Section 1077 of title
12 10, United States Code, is amended by adding at
13 the end the following new subsection:

14 “(i)(1) Beginning January 1, 2020, in furnishing
15 well-baby care under subsection (a)(8), the Secretary shall
16 ensure that the following care is made available:

17 “(A) With respect to a child who lives in hous-
18 ing built before 1978 at any time during the first 24
19 months of the life of the child—

20 “(i) the first testing of the child for the
21 level of lead in the blood of the child at approxi-
22 mately the age of 12 months; and

23 “(ii) the second such test at approximately
24 the age of 24 months.

25 “(B) With respect to a child not covered by
26 subparagraph (A) whose parent or guardian, at any

1 time during the first 24 months of the life of the
2 child, has a military occupational specialty that the
3 Secretary determines poses an elevated risk of lead
4 exposure—

5 “(i) the first testing of the child for the
6 level of lead in the blood of the child at approxi-
7 mately the age of 12 months; and

8 “(ii) the second such test at approximately
9 the age of 24 months.

10 “(C) With respect to a child not covered by
11 subparagraph (A) or (B)—

12 “(i) the first screening of the child for an
13 elevated risk of lead exposure at approximately
14 the age of 12 months; and

15 “(ii) the second such screening at approxi-
16 mately the age of 24 months.

17 “(D) With respect to a child covered by sub-
18 paragraph (C) whose screening indicates an elevated
19 risk of lead exposure, testing of the child for the
20 level of lead in the blood of the child.

21 “(2) The Secretary shall ensure that any care pro-
22 vided to a child pursuant to this chapter for lead poi-
23 soning, including the care under paragraph (1), is carried
24 out in accordance with applicable advice from the Centers
25 for Disease Control and Prevention.

1 “(3)(A) With respect to a child who receives a test
2 under paragraph (1), the Secretary shall provide the re-
3 sults of the test to the parent or guardian of the child.

4 “(B) With respect to a child who receives a test under
5 paragraph (1), the Secretary shall provide the results of
6 the test and the address at which the child resides to—

7 “(i) the relevant health department of the State
8 in which the child resides if the child resides in the
9 United States; or

10 “(ii) the Centers for Disease Control and Pre-
11 vention if the child resides outside the United
12 States.

13 “(C) In providing information regarding a child to
14 a State or the Centers for Disease Control and Prevention
15 under subparagraph (B), the Secretary may not provide
16 any identifying information or health information of the
17 child that is not specifically authorized in such subpara-
18 graph.

19 “(D) In this paragraph, the term ‘State’ means each
20 of the several States, the District of Columbia, the Com-
21 monwealth of Puerto Rico, and any territory or possession
22 of the United States.”.

23 (2) CONFORMING AMENDMENT.—Subsection
24 (a)(8) of such section is amended by striking “in-
25 cluding well-baby care that includes one screening of

1 an infant for the level of lead in the blood of the in-
2 fant” and inserting “including, in accordance with
3 subsection (i), well-baby care that includes
4 screenings and testings for lead exposure and lead
5 poisoning”.

6 (3) STUDY.—Not later than January 1, 2021,
7 the Secretary of Defense shall submit to the con-
8 gressional defense committees a report detailing the
9 following:

10 (A) The number of children who were test-
11 ed for the level of lead in the blood of the child
12 pursuant to subparagraph (A) of subsection
13 (i)(1) of section 1077 of title 10, United States
14 Code, as added by paragraph (1), and of such
15 number, the number who were found to have
16 elevated blood lead levels.

17 (B) The number of children who were test-
18 ed for the level of lead in the blood of the child
19 pursuant to subparagraph (B) of such sub-
20 section (i)(1), and of such number, the number
21 who were found to have lead poisoning.

22 (C) The number of children who were
23 screened for an elevated risk of lead exposure
24 pursuant to subparagraph (C) of such sub-
25 section (i)(1).

1 (D) The number of children who were test-
2 ed for the level of lead in the blood of the child
3 pursuant to subparagraph (D) of such sub-
4 section, and of such number, the number who
5 were found to have elevated blood lead levels.

6 (E) The treatment provided to children
7 pursuant to chapter 55 of title 10, United
8 States Code, for lead poisoning.

9 (4) GAO REPORT.—Not later than January 1,
10 2022, the Comptroller General of the United States
11 shall submit to the congressional defense committees
12 a report on the effectiveness of screening, testing,
13 and treating children for lead exposure and lead poi-
14 soning pursuant to chapter 55 of title 10, United
15 States Code.

16 (b) NOTIFICATION OF HOUSING.—Section 403 of
17 title 37, United States Code, is amended by adding at the
18 end the following new subsection:

19 “(p) RECORDS REGARDING HOUSING AND LEAD-
20 BASED PAINT.—(1) The Secretary concerned shall keep
21 a record of whether the following housing was built before,
22 during, or after 1978:

23 “(A) Quarters of the United States under the
24 jurisdiction of that Secretary concerned.

1 “(B) A housing facility under the jurisdiction of
2 that Secretary concerned.

3 “(C) Other housing in which a member of the
4 uniformed service of that Secretary concerned re-
5 sides.

6 “(2) As a condition of receipt of a basic allowance
7 for housing under this section, a member of the uniformed
8 services shall notify the Secretary concerned whether the
9 housing in which that member resides was built before,
10 during, or after 1978.”.

11 **SEC. 705. EXPOSURE TO OPEN BURN PITS AND TOXIC AIR-**
12 **BORNE CHEMICALS OR OTHER AIRBORNE**
13 **CONTAMINANTS AS PART OF PERIODIC**
14 **HEALTH ASSESSMENTS AND OTHER PHYS-**
15 **ICAL EXAMINATIONS.**

16 (a) PERIODIC HEALTH ASSESSMENT.—The Sec-
17 retary of Defense shall ensure that any periodic health as-
18 sessment provided to members of the Armed Forces in-
19 cludes an evaluation of whether the member has been—

20 (1) based or stationed at a location where an
21 open burn pit was used; or

22 (2) exposed to toxic airborne chemicals or other
23 airborne contaminants, including any information re-
24 corded as part of the Airborne Hazards and Open
25 Burn Pit Registry.

1 (b) SEPARATION HISTORY AND PHYSICAL EXAMINA-
2 TIONS.—Section 1145(a)(5) of title 10, United States
3 Code, is amended by adding at the end the following new
4 subparagraph:

5 “(C) The Secretary concerned shall ensure that each
6 physical examination of a member under subparagraph
7 (A) includes an assessment of whether the member was—

8 (i) based or stationed at a location where an
9 open burn pit, as defined in subsection (c) of section
10 201 of the Dignified Burial and Other Veterans’
11 Benefits Improvement Act of 2012 (Public Law
12 112–260; 38 U.S.C. 527 note), was used; or

13 (ii) exposed to toxic airborne chemicals or
14 other airborne contaminants, including any informa-
15 tion recorded as part of the registry established by
16 the Secretary of Veterans Affairs under such section
17 201.”.

18 (c) DEPLOYMENT ASSESSMENTS.—Section
19 1074f(b)(2) of title 10, United States Code, is amended
20 by adding at the end the following new subparagraph:

21 “(D) An assessment of whether the member
22 was—

23 (i) based or stationed at a location where
24 an open burn pit, as defined in subsection (c)
25 of section 201 of the Dignified Burial and

1 Other Veterans' Benefits Improvement Act of
2 2012 (Public Law 112–260; 38 U.S.C. 527
3 note), was used; or

4 “(ii) exposed to toxic airborne chemicals or
5 other airborne contaminants, including any in-
6 formation recorded as part of the registry es-
7 tablished by the Secretary of Veterans Affairs
8 under such section 201.”.

9 (d) SHARING OF INFORMATION.—

10 (1) DOD–VA.—The Secretary of Defense and
11 the Secretary of Veterans Affairs shall jointly enter
12 into a memorandum of understanding providing for
13 the sharing by the Department of Defense with the
14 Department of Veterans Affairs of the results of
15 covered evaluations regarding the exposure by a
16 member of the Armed Forces to toxic airborne
17 chemicals or other airborne contaminants.

18 (2) REGISTRY.—If a covered evaluation of a
19 member of the Armed Forces establishes that the
20 member was based or stationed at a location where
21 an open burn pit was used or that the member was
22 exposed to toxic airborne chemicals or other airborne
23 contaminants, the member shall be enrolled in the
24 Airborne Hazards and Open Burn Pit Registry un-
25 less the member elects to not so enroll.

1 (e) RULE OF CONSTRUCTION.—Nothing in this sec-
2 tion may be construed to preclude eligibility for benefits
3 under the laws administered by the Secretary of Veterans
4 Affairs by reason of the open burn pit exposure history
5 of a veteran not being recorded in a covered evaluation.

6 (f) DEFINITIONS.—In this section:

7 (1) The term “Airborne Hazards and Open
8 Burn Pit Registry” means the registry established
9 by the Secretary of Veterans Affairs under section
10 201 of the Dignified Burial and Other Veterans’
11 Benefits Improvement Act of 2012 (Public Law
12 112–260; 38 U.S.C. 527 note).

13 (2) The term “covered evaluation” means—

14 (A) a periodic health assessment conducted
15 in accordance with subsection (a);

16 (B) a separation history and physical ex-
17 amination conducted under section 1145(a)(5)
18 of title 10, United States Code, as amended by
19 this section; and

20 (C) a deployment assessment conducted
21 under section 1074f(b)(2) of such title, as
22 amended by this section.

23 (3) The term “open burn pit” has the meaning
24 given that term in section 201(c) of the Dignified
25 Burial and Other Veterans’ Benefits Improvement

1 Act of 2012 (Public Law 112–260; 38 U.S.C. 527
2 note).

3 **SEC. 706. ENHANCEMENT OF RECORDKEEPING AND**
4 **POSTDEPLOYMENT MEDICAL ASSESSMENT**
5 **REQUIREMENTS RELATED TO OCCUPA-**
6 **TIONAL AND ENVIRONMENTAL HAZARD EX-**
7 **POSURE DURING DEPLOYMENT.**

8 (a) RECORDING OF OCCUPATIONAL AND ENVIRON-
9 MENTAL HEALTH RISKS IN DEPLOYMENT AREA.—

10 (1) ELEMENTS OF MEDICAL TRACKING SYS-
11 TEM.—Subsection (b)(1)(A) of section 1074f of title
12 10, United States Code, is amended—

13 (A) in clause (ii), by striking “and” at the
14 end;

15 (B) in clause (iii), by striking the period at
16 the end and inserting “; and”; and

17 (C) by adding at the end the following new
18 clause:

19 “(iv) accurately record any
20 exposure to occupational and en-
21 vironmental health risks during
22 the course of their deployment.”.

23 (2) RECORDKEEPING.—Subsection (c) of such
24 section is amended by inserting after “deployment
25 area” the following: “(including the results of any

1 assessment performed by the Secretary of occupa-
2 tional and environmental health risks for such
3 area)”.
4

5 (3) EFFECTIVE DATE.—The amendments made
6 by this subsection shall take effect on the date of the
7 enactment of this Act.

8 (b) INTEGRATION OF BURN PIT REGISTRY INFORMA-
9 TION INTO ELECTRONIC HEALTH RECORDS.—

10 (1) UPDATES TO ELECTRONIC HEALTH
11 RECORDS.—Beginning not later than one year after
12 the date of the enactment of this Act—

13 (A) the Secretary of Defense shall ensure
14 that the electronic health record maintained by
15 such Secretary of a member of the Armed
16 Forces registered with the burn pit registry is
17 updated with any information contained in such
18 registry; and

19 (B) the Secretary of Veterans Affairs shall
20 ensure that the electronic health record main-
21 tained by such Secretary of a veteran registered
22 with the burn pit registry is updated with any
23 information contained in such registry.

24 (2) BURN PIT REGISTRY DEFINED.—In this
25 subsection, the term “burn pit registry” means the
26 registry established under section 201 of the Dig-

1 unified Burial and Other Veterans' Improvements Act
2 of 2012 (Public Law 112–260; 38 U.S.C. 527 note).

3 (c) POSTDEPLOYMENT MEDICAL EXAMINATION AND
4 REASSESSMENTS.—

5 (1) ADDITIONAL REQUIREMENTS.—Section
6 1074f of title 10, United States Code is further
7 amended by adding at the end the following new
8 subsection:

9 “(g) ADDITIONAL REQUIREMENTS FOR
10 POSTDEPLOYMENT MEDICAL EXAMINATIONS AND
11 HEALTH REASSESSMENTS.—(1) The Secretary of Defense
12 shall—

13 “(A) standardize and make available to a pro-
14 vider that conducts a postdeployment medical exam-
15 ination or reassessment under the system described
16 in subsection (a) questions relating to occupational
17 and environmental health exposure; and

18 “(B) prior to an examination or reassessment
19 of a member of the armed forces, require such pro-
20 vider to review information applicable to such mem-
21 ber—

22 “(i) in a Periodic Occupational and Envi-
23 ronmental Monitoring Summary (or any suc-
24 cessor document); and

1 “(ii) on the Defense Occupational and En-
2 vironmental Health Readiness System (or any
3 successor system).

4 “(2) The Secretary shall ensure that the medical
5 record of a member includes information on the external
6 cause relating to a diagnosis of the member, including by
7 associating an external cause code (as issued under the
8 International Statistical Classification of Diseases, 10th
9 Revision (or any successor revision)).”.

10 (2) EFFECTIVE DATE.—The amendments made
11 by this subsection shall take effect 180 days after
12 the date of the enactment of this Act.

13 (d) REPORT BY COMPTROLLER GENERAL OF THE
14 UNITED STATES.—Not later than two years after the date
15 of the enactment of this Act, the Comptroller General of
16 the United States shall submit to the congressional de-
17 fense committees and the Committees on Veterans’ Affairs
18 of the House of Representatives and the Senate a report
19 containing an evaluation of the implementation of this sec-
20 tion (and the amendments made by this section), including
21 an assessment of the extent to which the Secretary of De-
22 fense and Secretary of Veterans Affairs are in compliance
23 with the applicable requirements of this section (and the
24 amendments made by this section).

1 **SEC. 707. MODIFICATIONS TO POST-DEPLOYMENT MENTAL**
2 **HEALTH ASSESSMENTS FOR MEMBERS OF**
3 **THE ARMED FORCES DEPLOYED IN SUPPORT**
4 **OF A CONTINGENCY OPERATION.**

5 (a) **REQUIRED ASSESSMENTS.**—Section 1074m(a)(1)
6 of title 10, United States Code, is amended by striking
7 subparagraphs (C) and (D) and inserting the following
8 new subparagraphs:

9 “(C) Subject to paragraph (3) and sub-
10 section (d), once during the period beginning on
11 the date of redeployment from the contingency
12 operation and ending 14 days after such rede-
13 ployment date.

14 “(D) Subject to subsection (d), not less
15 than once annually—

16 “(i) beginning 14 days after the date
17 of redeployment from the contingency op-
18 eration; or

19 “(ii) if the assessment required by
20 subparagraph (C) is performed during the
21 period specified in paragraph (3), begin-
22 ning 180 days after the date of redeploy-
23 ment from the contingency operation.”.

24 (b) **EXCEPTIONS.**—Section 1074m(a) of such title, as
25 amended by subsection (a), is further amended by striking
26 paragraph (2) and inserting the following new paragraphs:

1 “(2) A mental health assessment is not required for
2 a member of the armed forces under subparagraphs (C)
3 and (D) of paragraph (1) (including an assessment per-
4 formed pursuant to paragraph (3)) if the Secretary deter-
5 mines that providing such assessment to the member dur-
6 ing the time periods under such subparagraphs would re-
7 move the member from forward deployment or put mem-
8 bers or operational objectives at risk.

9 “(3) A mental health assessment required under sub-
10 paragraph (C) of paragraph (1) may be provided during
11 the period beginning 90 days after the date of redeploy-
12 ment from the contingency operation and ending 180 days
13 after such redeployment date if the Secretary determines
14 that—

15 “(A) an insufficient number of personnel are
16 available to perform the assessment during the time
17 period under such subparagraph; or

18 “(B) an administrative processing issue exists
19 upon the return of the member to the home unit or
20 duty station that would prevent the effective per-
21 formance of the assessment during such time pe-
22 riod.”.

23 (c) EFFECTIVE DATE.—The amendments made by
24 this section shall apply with respect to a date of redeploy-
25 ment that is on or after January 1, 2020.

1 **SEC. 708. PROVISION OF BLOOD TESTING FOR FIRE-**
2 **FIGHTERS OF DEPARTMENT OF DEFENSE TO**
3 **DETERMINE EXPOSURE TO**
4 **PERFLUOROALKYL AND POLYFLUOROALKYL**
5 **SUBSTANCES.**

6 The Secretary of Defense shall include, as part of the
7 annual physical examination provided by the Secretary to
8 each firefighter of the Department of Defense, blood test-
9 ing to determine and document the potential exposure of
10 such firefighters to perfluoroalkyl and polyfluoroalkyl sub-
11 stances (commonly known as “PFAS”).

12 **Subtitle B—Health Care**
13 **Administration**

14 **SEC. 711. REQUIREMENTS FOR CERTAIN PRESCRIPTION**
15 **DRUG LABELS.**

16 (a) **REQUIREMENT.**—Section 1074g of title 10,
17 United States Code, is amended—

18 (1) by redesignating subsections (h) and (i) as
19 subsections (i) and (j), respectively; and

20 (2) by inserting after subsection (g) the fol-
21 lowing new subsection (h):

22 “(h) **LABELING.**—The Secretary of Defense shall en-
23 sure that drugs made available through the facilities of
24 the armed forces under the jurisdiction of the Secretary
25 include labels that—

1 “(1) are printed and physically located on or
2 within the package from which the drug is to be dis-
3 pensed; and

4 “(2) provide adequate directions for the pur-
5 poses for which the drug is intended.”.

6 (b) CONFORMING AMENDMENT.—Subsection (b)(1)
7 of such section is amended by striking “under subsection
8 (h)” and inserting “under subsection (j)”.

9 (c) IMPLEMENTATION.—Beginning not later than 90
10 days after the date of the enactment of this Act, the Sec-
11 retary of Defense shall implement subsection (h) of section
12 1074g of title 10, United States Code, as added by sub-
13 section (a).

14 **SEC. 712. OFFICERS AUTHORIZED TO COMMAND ARMY**
15 **DENTAL UNITS.**

16 Section 7081(d) of title 10, United States Code, is
17 amended by striking “Dental Corps Officer” and inserting
18 “commissioned officer of the Army Medical Department”.

19 **SEC. 713. IMPROVEMENTS TO LEADERSHIP OF INTER-**
20 **AGENCY PROGRAM OFFICE OF THE DEPART-**
21 **MENT OF DEFENSE AND THE DEPARTMENT**
22 **OF VETERANS AFFAIRS.**

23 Subsection (c) of section 1635 of the Wounded War-
24 rior Act (title XVI of Public Law 110–181; 10 U.S.C.
25 1071 note) is amended to read as follows:

1 “(c) LEADERSHIP.—

2 “(1) DIRECTOR.—The Director of the Office
3 shall be the head of the Office.

4 “(2) DEPUTY DIRECTOR.—The Deputy Director
5 of the Office shall be the deputy head of the Office
6 and shall assist the Director in carrying out the du-
7 ties of the Director.

8 “(3) REPORTING.—The Director shall report to
9 the Department of Veterans Affairs-Department of
10 Defense Joint Executive Committee established by
11 section 320 of title 38, United States Code.

12 “(4) APPOINTMENTS.—

13 “(A) DIRECTOR.—The Director shall be
14 jointly appointed by the Secretary of Veterans
15 Affairs and the Secretary of Defense for a five-
16 year term. The Director may be reappointed for
17 one or more additional terms.

18 “(B) DEPUTY DIRECTOR.—The Deputy
19 Director shall be jointly appointed by the Sec-
20 retary of Veterans Affairs and the Secretary of
21 Defense for a five-year term. The Deputy Di-
22 rector may be reappointed for one or more ad-
23 ditional terms.

24 “(C) ADVICE.—The Department of Vet-
25 erans Affairs-Department of Defense Joint Ex-

1 ecutive Committee shall provide the Secretary
2 of Veterans Affairs and the Secretary of De-
3 fense with advice regarding potential individuals
4 to be appointed Director and Deputy Director
5 under subparagraphs (A) and (B), respectively.

6 “(D) MINIMUM QUALIFICATIONS.—The
7 Department of Veterans Affairs-Department of
8 Defense Joint Executive Committee shall de-
9 velop qualification requirements for the office of
10 the Director and the Deputy Director. Such re-
11 quirements shall ensure that, at a minimum,
12 the Director and Deputy Director, individually
13 or together, meet the following qualifications:

14 “(i) Significant experience as a clini-
15 cian, at the level of chief medical officer or
16 equivalent.

17 “(ii) Significant experience in health
18 informatics, at the level of chief health
19 informatics officer or equivalent.

20 “(iii) Significant experience leading
21 implementation of enterprise-wide tech-
22 nology in a health care setting in the pub-
23 lic or private sector.

24 “(5) ADDITIONAL GUIDANCE.—In addition to
25 providing direction, supervision, and control of the

1 Office pursuant to paragraph (3), the Department of
2 Veterans Affairs-Department of Defense Joint Exec-
3 utive Committee shall—

4 “(A) provide guidance in the discharge of
5 the functions of the Office under this section;
6 and

7 “(B) facilitate the establishment of a char-
8 ter and mission statement for the Office.

9 “(6) INFORMATION TO CONGRESS.—Upon re-
10 quest by any of the appropriate committees of Con-
11 gress, the Director and the Deputy Director shall
12 testify before such committee, or provide a briefing
13 or otherwise provide requested information to such
14 committee, regarding the discharge of the functions
15 of the Office under this section.”.

16 **SEC. 714. INCLUSION OF BLAST EXPOSURE HISTORY IN**
17 **MEDICAL RECORDS OF MEMBERS OF THE**
18 **ARMED FORCES.**

19 (a) REQUIREMENT.—The Secretary of Defense, in
20 coordination with the Secretaries of the military depart-
21 ments, shall document blast exposure history in the med-
22 ical record of a member of the Armed Forces to—

23 (1) assist in determining whether a future ill-
24 ness or injury of the member is service-connected;
25 and

1 (2) inform future blast exposure risk mitigation
2 efforts of the Department of Defense.

3 (b) ELEMENTS.—A blast exposure history under sub-
4 section (a) shall include, at a minimum, the following:

5 (1) The date of the exposure.

6 (2) The duration of the exposure, and, if
7 known, the measured blast pressure experienced by
8 the individual during such exposure.

9 (3) Whether the exposure occurred during com-
10 bat or training.

11 (4) Such other information relating to the expo-
12 sure as the Secretary of Defense may specify pursu-
13 ant to the guidance described in subsection (c)(1).

14 (c) COLLECTION OF EXPOSURE INFORMATION.—The
15 Secretary of Defense shall collect blast exposure informa-
16 tion with respect to a member of the Armed Forces in
17 a manner—

18 (1) consistent with blast exposure measurement
19 training guidance of the Department, including any
20 new guidance developed pursuant to—

21 (A) the study on blast pressure exposure
22 required by section 734 of the National Defense
23 Authorization Act for Fiscal Year 2018 (Public
24 Law 115–91; 131 Stat. 1444); and

1 (B) the review of guidance on blast expo-
2 sure during training required by section 253 of
3 the John S. McCain National Defense Author-
4 ization Act for Fiscal Year 2019 (Public Law
5 115–232; 132 Stat. 1704, 10 U.S.C. 2001
6 note);

7 (2) compatible with training and operational ob-
8 jectives; and

9 (3) that is automated, to the extent practicable,
10 to minimize the reporting burden of unit com-
11 manders.

12 (d) REPORT.—Not later than one year after the date
13 of the enactment of this Act, the Secretary of Defense
14 shall submit to the Committees on Armed Services of the
15 Senate and the House of Representatives a report on the
16 types of information included in a blast exposure history
17 under subsection (a).

18 **SEC. 715. COMPREHENSIVE POLICY FOR PROVISION OF**
19 **MENTAL HEALTH CARE TO MEMBERS OF THE**
20 **ARMED FORCES.**

21 (a) POLICY REQUIRED.—Not later than 180 days
22 after the date of the enactment of this Act, the Secretary
23 of Defense, acting through the Under Secretary of De-
24 fense for Personnel and Readiness, shall develop and im-

1 plement a comprehensive policy for the provision of mental
2 health care to members of the Armed Forces.

3 (b) ELEMENTS.—The policy under subsection (a)
4 shall address each of the following:

5 (1) The compliance of health professionals in
6 the military health system engaged in the provision
7 of health care services to members with clinical prac-
8 tice guidelines for—

9 (A) suicide prevention;

10 (B) medication-assisted therapy for alcohol
11 use disorders; and

12 (C) medication-assisted therapy for opioid
13 use disorders.

14 (2) The access and availability of mental health
15 care services to members who are victims of sexual
16 assault or domestic violence.

17 (3) The availability of naloxone reversal capa-
18 bility on military installations.

19 (4) The promotion of referrals of members by
20 civilian health care providers to military medical
21 treatment facilities when such members are—

22 (A) at high risk for suicide and diagnosed
23 with a psychiatric disorder; or

24 (B) receiving treatment for opioid use dis-
25 orders.

1 (5) The provision of comprehensive behavioral
2 health treatment to members of the reserve compo-
3 nents that takes into account the unique challenges
4 associated with the deployment pattern of such
5 members and the difficulty such members encounter
6 post-deployment with respect to accessing such
7 treatment in civilian communities.

8 (c) CONSIDERATION.—In developing the policy under
9 subsection (a), the Secretary of Defense shall solicit and
10 consider recommendations from the Secretaries of the
11 military departments and the Chairman of the Joint
12 Chiefs of Staff regarding the feasibility of implementation
13 and execution of particular elements of the policy.

14 (d) REPORT.—Not later than 18 months after the
15 date of the enactment of this Act, the Secretary of Defense
16 shall submit to the Committees on Armed Services of the
17 Senate and the House of Representatives a report on the
18 implementation of the policy under subsection (a).

19 **SEC. 716. LIMITATION ON THE REALIGNMENT OR REDUC-**
20 **TION OF MILITARY MEDICAL MANNING END**
21 **STRENGTH.**

22 (a) LIMITATION.—Except as provided by subsection
23 (d), the Secretary of Defense and the Secretaries con-
24 cerned may not realign or reduce military medical end
25 strength authorizations until—

1 (1) each review is conducted under paragraph
2 (1) of subsection (b);

3 (2) each analysis is conducted under paragraph
4 (2) of such subsection;

5 (3) the measurement is developed under para-
6 graph (3) of such subsection;

7 (4) each plan and forum is provided under
8 paragraph (4) of such subsection; and

9 (5) a period of 90 days elapses following the
10 date on which the Secretary submits the report
11 under subsection (c).

12 (b) REVIEWS, ANALYSES, AND OTHER INFORMA-
13 TION.—

14 (1) REVIEW.—Each Secretary concerned, in co-
15 ordination with the Chairman of the Joint Chiefs of
16 Staff, shall conduct a review of the medical man-
17 power requirements of the military department of
18 the Secretary that accounts for all national defense
19 strategy scenarios.

20 (2) ANALYSES.—With respect to each military
21 medical treatment facility that would be affected by
22 a proposed military medical end strength realign-
23 ment or reduction, the Secretary concerned shall
24 conduct an analysis that—

25 (A) identifies affected billets; and

1 (B) includes a plan for mitigating any po-
2 tential gap in health care services caused by
3 such realignment or reduction.

4 (3) MEASUREMENT.—The Secretary of Defense
5 shall—

6 (A) develop a standard measurement for
7 network adequacy to determine the capacity of
8 the local health care network to provide care for
9 covered beneficiaries in the area of a military
10 medical treatment facility that would be af-
11 fected by a proposed military medical end
12 strength realignment or reduction; and

13 (B) use such measurement in carrying out
14 this section and otherwise evaluating proposed
15 military medical end strength realignment or
16 reductions.

17 (4) OUTREACH.—The Secretary of Defense
18 shall provide to each member of the Armed Forces
19 and covered beneficiary located in the area of a mili-
20 tary medical treatment facility that would be af-
21 fected by a proposed military medical end strength
22 realignment or reduction the following:

23 (A) A transition plan for continuity of
24 health care services.

1 (B) A public forum to discuss the concerns
2 of the member and covered beneficiary regard-
3 ing such proposed realignment or reduction.

4 (c) REPORT.—Not later than 180 days after the date
5 of the enactment of this Act, the Secretary of Defense
6 shall submit to the Committees on Armed Services of the
7 House of Representatives and the Senate a report on the
8 proposed military medical end strength realignments or
9 reductions, including—

10 (1) the reviews, analyses, and other information
11 developed under subsection (b); and

12 (2) a description of the actions the Secretary
13 plans to take with respect to such proposed realign-
14 ments or reductions.

15 (d) EXCEPTION.—The limitation in subsection (a)
16 shall not apply to billets of a medical department of a mili-
17 tary department that have remained unfilled since at least
18 October 1, 2018. The Secretary concerned may realign or
19 reduce such a billet if the Secretary determines that such
20 realignment or reduction does not affect the provision of
21 health care services to members of the Armed Forces or
22 covered beneficiaries.

23 (e) DEFINITIONS.—In this section:

1 (1) The term “covered beneficiary” has the
2 meaning given that term in section 1072 of title 10,
3 United States Code.

4 (2) The term “proposed military medical end
5 strength realignment or reduction” means a realign-
6 ment or reduction of military medical end strength
7 authorizations as proposed by the budget of the
8 President for fiscal year 2020 submitted to Congress
9 pursuant to section 1105 of title 31, United States
10 Code.

11 (3) The term “Secretary concerned” means—

12 (A) the Secretary of the Army, with re-
13 spect to matters concerning the Army;

14 (B) the Secretary of the Navy, with re-
15 spect to matters concerning the Navy, the Ma-
16 rine Corps, and the Coast Guard when it is op-
17 erating as a service in the Department of the
18 Navy; and

19 (C) the Secretary of the Air Force, with
20 respect to matters concerning the Air Force.

21 **SEC. 717. STRATEGY TO RECRUIT AND RETAIN MENTAL**
22 **HEALTH PROVIDERS.**

23 Not later than 180 days after the date of the enact-
24 ment of this Act, the Secretary of Defense shall submit
25 to the congressional defense committees a report that—

1 (1) describes the shortage of mental health pro-
2 viders of the Department of Defense;

3 (2) explains the reasons for such shortage;

4 (3) explains the effect of such shortage on
5 members of the Armed Forces; and

6 (4) contains a strategy to better recruit and re-
7 tain mental health providers, including with respect
8 to psychiatrists, psychologists, mental health nurse
9 practitioners, licensed social workers, and other li-
10 censed providers of the military health system.

11 **SEC. 718. MONITORING MEDICATION PRESCRIBING PRAC-**
12 **TICES FOR THE TREATMENT OF POST-TRAU-**
13 **MATIC STRESS DISORDER.**

14 (a) REPORT.—

15 (1) IN GENERAL.—Not later than 180 days
16 after the date of enactment of this Act, the Sec-
17 retary of Defense shall submit to the Committees on
18 Armed Services of the House of Representatives and
19 the Senate a report on the practices for prescribing
20 medication during the period beginning January 1,
21 2012, and ending December 31, 2017, that were in-
22 consistent with the post-traumatic stress disorder
23 medication guidelines developed by the Department
24 of Defense and the Veterans Health Administration.

1 (2) CONTENTS.—The report under this sub-
2 section shall include the following:

3 (A) A summary of the practices of the
4 Army, Navy, and the Air Force, for prescribing
5 medication during the period referred to in
6 paragraph (1) that were inconsistent with the
7 post-traumatic stress disorder medication guide-
8 lines developed by the Department of Defense
9 and the Veterans Health Administration.

10 (B) Identification of medical centers serv-
11 ing members of the Armed Forces found to
12 having higher than average incidences of pre-
13 scribing medication during the period referred
14 to in paragraph (1) that were inconsistent with
15 the post-traumatic stress disorder guidelines.

16 (C) A plan for such medical centers to re-
17 duce the prescribing of medications that are in-
18 consistent with the post-traumatic stress dis-
19 order guidelines.

20 (D) A plan for ongoing monitoring of med-
21 ical centers found to have higher than average
22 incidences of prescribing medication that were
23 inconsistent with the post-traumatic stress dis-
24 order guidelines by the Department of Defense
25 and the Veterans Health Administration.

1 (b) MONITORING PROGRAM.—Based on the findings
2 of the report under subsection (a), the Secretaries of the
3 Army, the Navy, and the Air Force shall each establish
4 a monitoring program carried out with respect to such
5 branch of the Armed Forces that shall provide as follows:

6 (1) The monitoring program shall provide for
7 the conduct of periodic reviews, beginning October 1,
8 2019, of medication prescribing practices of its own
9 providers.

10 (2) The monitoring program shall provide for
11 regular reports, beginning October 1, 2020, to the
12 Department of Defense and the Veterans Health Ad-
13 ministration, of the results of the periodic reviews
14 pursuant to paragraph (1) of this subsection.

15 (3) The monitoring program shall establish in-
16 ternal procedures, not later than October 1, 2020, to
17 address practices for prescribing medication that are
18 inconsistent with the post-traumatic stress disorder
19 medication guidelines developed by the Department
20 of Defense and the Veterans Health Administration.

1 **Subtitle C—Reports and Other**
2 **Matters**

3 **SEC. 721. ESTABLISHMENT OF MILITARY DENTAL RE-**
4 **SEARCH PROGRAM.**

5 (a) IN GENERAL.—Chapter 104 of title 10, United
6 States Code, is amended by inserting after section 2116
7 the following new section:

8 **“§ 2116a. Military dental research**

9 “(a) DEFINITIONS.—In this section:

10 “(1) The term ‘military dental research’ means
11 research on the furnishing of dental care and serv-
12 ices by dentists in the armed forces.

13 “(2) The term ‘TriService Dental Research
14 Program’ means the program of military dental re-
15 search authorized under this section.

16 “(b) PROGRAM AUTHORIZED.—The Secretary of De-
17 fense may establish at the University a program of mili-
18 tary dental research.

19 “(c) TRISERVICE RESEARCH GROUP.—The
20 TriService Dental Research Program shall be adminis-
21 tered by a TriService Dental Research Group composed
22 of Army, Navy, and Air Force dentists who are involved
23 in military dental research and are designated by the Sec-
24 retary concerned to serve as members of the group.

1 “(d) DUTIES OF GROUP.—The TriService Dental Re-
2 search Group described in subsection (c) shall—

3 “(1) develop for the Department of Defense
4 recommended guidelines for requesting, reviewing,
5 and funding proposed military dental research
6 projects; and

7 “(2) make available to Army, Navy, and Air
8 Force dentists and officials of the Department of
9 Defense who conduct military dental research—

10 “(A) information about dental research
11 projects that are being developed or carried out
12 in the Army, Navy, and Air Force; and

13 “(B) expertise and information beneficial
14 to the encouragement of meaningful dental re-
15 search.

16 “(e) RESEARCH TOPICS.—For purposes of this sec-
17 tion, military dental research includes research on the fol-
18 lowing issues:

19 “(1) Issues regarding how to ensure the readi-
20 ness of members of the armed forces on active duty
21 and in the reserve components with respect to the
22 provision of dental care and services.

23 “(2) Issues regarding preventive dentistry and
24 disease management, including early detection of
25 needs.

1 “(3) Issues regarding how to improve the re-
2 sults of dental care and services provided in the
3 armed forces in time of peace.

4 “(4) Issues regarding how to improve the re-
5 sults of dental care and services provided in the
6 armed forces in time of war.

7 “(5) Issues regarding minimizing or eliminating
8 emergent dental conditions and dental disease and
9 non-battle injuries in deployed settings.

10 “(6) Issues regarding how to prevent complica-
11 tions associated with dental-related battle injuries.

12 “(7) Issues regarding how to prevent complica-
13 tions associated with the transportation of dental pa-
14 tients in the military medical evacuation system.

15 “(8) Issues regarding the use of technological
16 advances, including teledentistry.

17 “(9) Issues regarding psychological distress in
18 receiving dental care and services.

19 “(10) Issues regarding how to improve methods
20 of training dental personnel, including dental assist-
21 ants and dental extenders.

22 “(11) Wellness issues relating to dental care
23 and services.

24 “(12) Case management issues relating to den-
25 tal care and services.

1 “(13) Issues regarding the use of alternate den-
2 tal care delivery systems, including the employment
3 of interprofessional practice models incorporating
4 multiple health professions.”.

5 (b) CLERICAL AMENDMENT.—The table of sections
6 at the beginning of chapter 104 of such title is amended
7 by inserting after the item relating to section 2116 the
8 following new item:

 “2116a. Military dental research.”.

9 **SEC. 722. PILOT PROGRAM ON CRYOPRESERVATION AND**
10 **STORAGE.**

11 (a) PILOT PROGRAM.—The Secretary of Defense
12 shall establish a pilot program to provide not more than
13 1,000 members of the Armed Forces serving on active
14 duty with the opportunity to cryopreserve and store their
15 gametes prior to deployment to a combat zone.

16 (b) PERIOD.—

17 (1) IN GENERAL.—The Secretary shall provide
18 for the cryopreservation and storage of gametes of
19 a participating member of the Armed Forces under
20 subsection (a), at no cost to the member, in a facil-
21 ity of the Department of Defense or at a private en-
22 tity pursuant to a contract under subsection (d)
23 until the date that is one year after the retirement,
24 separation, or release of the member from the
25 Armed Forces.

1 (2) CONTINUED CRYOPRESERVATION AND
2 STORAGE.—At the end of the one-year period speci-
3 fied in paragraph (1), the Secretary shall authorize
4 an individual whose gametes were cryopreserved and
5 stored in a facility of the Department as described
6 in that paragraph to select, including pursuant to an
7 advance medical directive or military testamentary
8 instrument completed under subsection (c), one of
9 the following options:

10 (A) To continue such cryopreservation and
11 storage in such facility with the cost of such
12 cryopreservation and storage borne by the indi-
13 vidual.

14 (B) To transfer the gametes to a private
15 cryopreservation and storage facility selected by
16 the individual.

17 (C) To authorize the Secretary to dispose
18 of the gametes of the individual not earlier than
19 the date that is 90 days after the end of the
20 one-year period specified in paragraph (1) with
21 respect to the individual.

22 (c) ADVANCE MEDICAL DIRECTIVE AND MILITARY
23 TESTAMENTARY INSTRUMENT.—A member of the Armed
24 Forces who elects to cryopreserve and store their gametes
25 under this section shall complete an advance medical di-

1 rective described in section 1044c(b) of title 10, United
2 States Code, and a military testamentary instrument de-
3 scribed in section 1044d(b) of such title, that explicitly
4 specifies the use of their cryopreserved and stored gametes
5 if such member dies or otherwise loses the capacity to con-
6 sent to the use of their cryopreserved and stored gametes.

7 (d) AGREEMENTS.—To carry out this section, the
8 Secretary may enter into agreements with private entities
9 that provide cryopreservation and storage services for
10 gametes.

11 **SEC. 723. ENCOURAGEMENT OF PARTICIPATION IN WOM-**
12 **EN'S HEALTH TRANSITION TRAINING PILOT**
13 **PROGRAM.**

14 (a) ENCOURAGEMENT OF PARTICIPATION.—The Sec-
15 retaries of the military departments shall encourage fe-
16 male members of the Armed Forces who are separating
17 or retiring from the Armed Forces during fiscal year 2020
18 to participate in the Women's Health Transition Training
19 pilot program (in this section referred to as the "pilot pro-
20 gram") administered by the Secretary of Veterans Affairs.

21 (b) SELECTION.—Each Secretary of a military de-
22 partment shall select at least one location at which the
23 pilot program is offered and encourage participation in the
24 pilot program at such location.

1 (c) REPORT.—Not later than September 30, 2020,
2 the Secretary of Defense, in consultation with the Sec-
3 retary of Veterans Affairs, shall submit to the Committees
4 on Armed Services of the Senate and the House of Rep-
5 resentatives and the Committees on Veterans' Affairs of
6 the Senate and House of Representatives a report on the
7 pilot program that includes the following:

8 (1) For the period since the commencement of
9 the pilot program—

10 (A) the number of courses held under the
11 pilot program;

12 (B) the locations at which such courses
13 were held; and

14 (C) for each location identified in subpara-
15 graph (B)—

16 (i) the number of female members by
17 military department (with respect to De-
18 partment of the Navy, separately for the
19 Navy and Marine Corps) who participated
20 in the pilot program; and

21 (ii) the number of seats available
22 under the pilot program.

23 (2) Data relating to—

24 (A) satisfaction with courses held under
25 the pilot program;

1 (B) improved awareness of health care
2 services administered by the Secretary of Vet-
3 erans Affairs; and

4 (C) any other available statistics regarding
5 the pilot program.

6 (3) A discussion of regulatory, legal, or resource
7 barriers to—

8 (A) making the pilot program permanent
9 to enable access by a greater number of female
10 members at locations throughout the United
11 States;

12 (B) offering the pilot program online for
13 female members who are unable to attend
14 courses held under the pilot program in person;
15 and

16 (C) providing for automatic enrollment of
17 participants in the pilot program in the patient
18 enrollment system of the Department of Vet-
19 erans Affairs established and operated under
20 section 1705 of title 38, United States Code.

21 **SEC. 724. NATIONAL GUARD SUICIDE PREVENTION PILOT**
22 **PROGRAM.**

23 (a) PILOT PROGRAM AUTHORIZED.—The Chief of
24 the National Guard Bureau may carry out a pilot program
25 to expand suicide prevention and intervention efforts at

1 the community level through the use of a mobile applica-
2 tion that provides the capability for a member of the Na-
3 tional Guard to receive prompt support, including access
4 to a behavioral health professional, on a smartphone, tab-
5 let computer, or other handheld mobile device.

6 (b) ELEMENTS.—The pilot program shall include,
7 subject to such conditions as the Secretary may pre-
8 scribe—

9 (1) the use by members of the National Guard
10 of an existing mobile application that provides the
11 capability described in subsection (a); or

12 (2) the development and use of a new mobile
13 application that provides such capability.

14 (c) ELIGIBILITY AND PARTICIPATION REQUIRE-
15 MENTS.—The Chief of the National Guard Bureau shall
16 establish requirements with respect to eligibility and par-
17 ticipation in the pilot program.

18 (d) ASSESSMENT PRIOR TO PILOT PROGRAM COM-
19 MENCEMENT.—Prior to commencement of the pilot pro-
20 gram, the Chief of the National Guard Bureau shall—

21 (1) conduct an assessment of existing preven-
22 tion and intervention efforts of the National Guard
23 in each State that include the use of mobile applica-
24 tions that provide the capability described in sub-
25 section (a) to determine best practices for providing

1 immediate and localized care through the use of
2 such mobile applications; and

3 (2) determine the feasibility of expanding exist-
4 ing programs on a national scale.

5 (e) RESPONSIBILITIES OF ENTITIES PARTICIPATING
6 IN PILOT PROGRAM.—Each entity that participates in the
7 pilot program shall—

8 (1) share best practices with other entities par-
9 ticipating in the program; and

10 (2) annually assess outcomes with respect to
11 members of the National Guard.

12 (f) TERM.—The pilot program shall terminate on the
13 date that is three years after the date on which the pilot
14 program commenced.

15 (g) REPORTS.—

16 (1) INITIAL REPORT.—If the Chief of the Na-
17 tional Guard Bureau commences the pilot program
18 authorized under subsection (a), not later than 180
19 days after the date of the commencement of such
20 program, the Chief shall submit to the Committees
21 on Armed Services of the Senate and the House of
22 Representatives a report containing a description of
23 the pilot program and such other matters as the
24 Chief considers appropriate.

25 (2) FINAL REPORT.—

1 (A) IN GENERAL.—Not later than 180
2 days after the termination of the pilot program,
3 the Chief of the National Guard Bureau shall
4 submit to the Committees on Armed Services of
5 the Senate and the House of Representatives a
6 report on such pilot program.

7 (B) MATTERS INCLUDED.—The report
8 under subparagraph (A) shall include the fol-
9 lowing:

10 (i) A description of the pilot program,
11 including any partnerships entered into by
12 the Chief of the National Guard Bureau
13 under the program.

14 (ii) An assessment of the effectiveness
15 of the pilot program.

16 (iii) A description of costs associated
17 with the implementation of the pilot pro-
18 gram.

19 (iv) The estimated costs of making
20 the pilot program permanent.

21 (v) A recommendation as to whether
22 the pilot program should be extended or
23 made permanent.

24 (vi) Such other recommendations for
25 legislative or administrative action as the

1 Chief of the National Guard Bureau con-
2 siders appropriate.

3 (h) STATE DEFINED.—In this section, the term
4 “State” means each of the several States, the District of
5 Columbia, the Commonwealth of Puerto Rico, American
6 Samoa, Guam, the United States Virgin Islands, and the
7 Commonwealth of the Northern Mariana Islands.

8 **SEC. 725. REPORTS ON SUICIDE AMONG MEMBERS OF THE**
9 **ARMED FORCES.**

10 (a) REPORTS.—Not later than 90 days after the date
11 of the enactment of this Act, and annually thereafter
12 through January 31, 2021, the Secretary of Defense shall
13 submit to the Committees on Armed Services of the House
14 of Representatives and the Senate a report on suicide
15 among members of the Armed Forces during the year pre-
16 ceding the date of the report.

17 (b) MATTERS INCLUDED.—Each report under sub-
18 section (a) shall include the following with respect to the
19 year covered by the report:

20 (1) The number of suicides, attempted suicides,
21 and occurrences of suicidal ideation involving a
22 member of the Armed Forces, including the reserve
23 components thereof, listed by Armed Force.

1 (2) The number of suicides, attempted suicides,
2 or suicidal ideation identified under paragraph (1)
3 that occurred during each of the following periods:

4 (A) The first 180 days of the member
5 serving in the Armed Forces.

6 (B) The period in which the member is de-
7 ployed in support of a contingency operation.

8 (3) With respect to the number of suicides, at-
9 tempted suicides, or suicidal ideation identified
10 under paragraph (2)(A), the initial recruit training
11 location of the member.

12 (4) The number of suicides involving a depend-
13 ent of a member.

14 (5) A description of any research collaborations
15 and data sharing by the Department of Defense with
16 the Department of Veterans Affairs, other depart-
17 ments or agencies of the Federal Government, aca-
18 demic institutions, or nongovernmental organiza-
19 tions.

20 (6) Identification of a research agenda for the
21 Department of Defense to improve the evidence base
22 on effective suicide prevention treatment and risk
23 communication.

24 (7) A description of the effectiveness of the
25 policies developed pursuant to section 567 of the

1 Carl Levin and Howard P. “Buck” McKeon Na-
2 tional Defense Authorization Act for Fiscal Year
3 2015 (Public Law 113–291; 10 U.S.C. 1071 note)
4 and section 582 of the National Defense Authoriza-
5 tion Act for Fiscal Year 2013 (Public Law 112–239;
6 10 U.S.C. 1071 note), including with respect to—

7 (A) metrics identifying effective treatment
8 modalities for members of the Armed Forces
9 who are at risk for suicide (including any clin-
10 ical interventions involving early identification
11 and treatment of such members);

12 (B) metrics for the rate of integration of
13 mental health screenings and suicide risk and
14 prevention for members during the delivery of
15 primary care for such members;

16 (C) metrics relating to the effectiveness of
17 suicide prevention and resilience programs and
18 preventative behavioral health programs of the
19 Department of Defense (including those of the
20 military departments and the Armed Forces);
21 and

22 (D) metrics evaluating the training stand-
23 ards for behavioral health care providers to en-
24 sure that such providers have received training

1 on clinical best practices and evidence-based
2 treatments.

3 **SEC. 726. STUDY ON MILITARY-CIVILIAN INTEGRATED**
4 **HEALTH DELIVERY SYSTEMS.**

5 (a) STUDY.—The Secretary of Defense shall conduct
6 a study on the use of local integrated military-civilian inte-
7 grated health delivery systems pursuant to section 706 of
8 the National Defense Authorization Act for Fiscal Year
9 2017 (Public Law 114–328; 10 U.S.C. 1096 note). The
10 study shall examine the following:

11 (1) Geographic locations where military medical
12 treatment facilities have existing contractual rela-
13 tionships with local civilian health care networks, in-
14 cluding Fort Drum, New York, Joint Base McGuire-
15 Dix-Lakehurst, New Jersey, Joint Base Lewis-
16 McCord, Washington, Fort Leonard Wood, Missouri,
17 Elmendorf Air Force Base, Alaska, Fort Sill, Okla-
18 homa, Tripler Army Medical Center, Hawaii, the
19 National Capital Region, and similar locations.

20 (2) Health care activities that promote value-
21 based care, measurable health outcomes, patient
22 safety, timeliness of referrals, and transparent com-
23 munication with covered beneficiaries.

24 (3) Locations where health care providers of the
25 Department of Defense may be able to attain critical

1 wartime readiness skills in a local integrated mili-
2 tary-civilian integrated health delivery system.

3 (4) The cost of providing care under an inte-
4 grated military-civilian integrated health delivery
5 system as compared to health care provided by a
6 managed care support contractor.

7 (b) SUBMISSION.—Not later than 180 days after the
8 date of the enactment of this Act, the Secretary of Defense
9 shall submit to the Committees on Armed Services of the
10 House of Representatives and the Senate a report on the
11 results of the study under subsection (a).

12 (c) DEFINITIONS.—In this section:

13 (1) The term “covered beneficiaries” has the
14 meaning given that term in section 1072 of title 10,
15 United States Code.

16 (2) The term “National Capital Region” has
17 the meaning given that term in section 2674 of title
18 10, United States Code.

19 **SEC. 727. STUDY ON CASE MANAGEMENT AT MILITARY**
20 **MEDICAL TREATMENT FACILITIES.**

21 (a) STUDY.—The Secretary of Defense shall conduct
22 a study on the effectiveness of case management practices
23 at military medical treatment facilities. The study shall
24 include the following:

1 (1) A standardized definition of case manage-
2 ment.

3 (2) An evaluation of case management practices
4 provided by the military departments before and
5 during the transition of the administration of mili-
6 tary medical treatment facilities to the Defense
7 Health Agency pursuant to section 1073c of title 10,
8 United States Code.

9 (3) A discussion of the metrics involved with
10 determining the effectiveness of case management
11 and the cost of case management.

12 (4) A review of case management best practices
13 in the private sector, including with respect to—

14 (A) the intervals at which patients should
15 be contacted;

16 (B) the role of the case manager in coordi-
17 nation;

18 (C) the approximate number of patients
19 managed by a case manager; and

20 (D) any other best practices relating to
21 case management that would improve the expe-
22 rience of care within the military health system.

23 (5) The results of a discussion with covered
24 beneficiaries (as defined in section 1072 of title 10,
25 United States Code) in a public forum on case man-

1 agement in military medical treatment facilities ad-
2 ministered by the Defense Health Agency.

3 (b) REPORT.—Not later than 180 days after the date
4 of the enactment of this Act, the Secretary of Defense
5 shall submit to the Committees on Armed Services of the
6 House of Representatives and the Senate a report on the
7 results of the study under subsection (a).

8 **SEC. 728. STUDY ON INFERTILITY AMONG MEMBERS OF**
9 **THE ARMED FORCES.**

10 (a) STUDY.—Not later than 180 days after the date
11 of the enactment of this Act, the Secretary of Defense
12 shall submit to the Committees on Armed Services of the
13 House of Representatives and the Senate a study on the
14 incidence of infertility among members of the Armed
15 Forces, including the reserve components thereof.

16 (b) MATTERS INCLUDED.—The study shall include
17 the following:

18 (1) The number of members of the Armed
19 Forces serving as of the date of the study who are
20 diagnosed with common causes of infertility, such as
21 polycystic ovary syndrome, pelvic inflammatory dis-
22 ease, uterine fibroids, endometriosis, sexually trans-
23 mitted disease, testicular disorders, and male endo-
24 crine disorders.

1 (2) The number of members serving as of the
2 date of the study whose infertility has no known
3 cause.

4 (3) The incidence of miscarriage among women
5 members, listed by Armed Force and military occu-
6 pation.

7 (4) A comparison of the rates of infertility and
8 miscarriage in the Armed Forces to such rates in
9 the civilian population, as reported by the Centers
10 for Disease Control and Prevention.

11 (5) Demographic information of the members
12 described in paragraphs (1), (2), and (3), include
13 with respect to race, ethnicity, sex, age, military oc-
14 cupation, and possible exposures during military
15 service to hazardous elements such as chemical and
16 biologic agents.

17 (6) An assessment of the ease or delay for
18 members in obtaining treatment for infertility, in-
19 cluding in vitro fertilization, including—

20 (A) the wait times at each military medical
21 treatment facility that has community partner-
22 ships to provide in vitro fertilization;

23 (B) the number of members described in
24 paragraph (1) who are candidates for in vitro
25 fertilization or other infertility treatments but

1 cannot obtain such treatments because of the
2 location at which the member is stationed or
3 the duties of the member; and

4 (C) a discussion of the reasons members
5 cease seeking such treatments through the mili-
6 tary health system.

7 (7) Criteria used by the Secretary to determine
8 service connection for infertility, including whether
9 screenings for levels of toxins are undertaken when
10 the cause of infertility cannot be determined.

11 (8) The policy of the Department of Defense,
12 as of the date of the study, for ensuring geographic
13 stability during treatment of women members under-
14 going in vitro fertilization for either service-con-
15 nected or non-service-connected infertility.

1 **TITLE VIII—ACQUISITION POL-**
2 **ICY, ACQUISITION MANAGE-**
3 **MENT, AND RELATED MAT-**
4 **TERS**

5 **Subtitle A—Acquisition Policy and**
6 **Management**

7 **SEC. 801. ESTABLISHMENT OF ACQUISITION PATHWAYS**
8 **FOR SOFTWARE APPLICATIONS AND SOFT-**
9 **WARE UPGRADES.**

10 (a) **GUIDANCE REQUIRED.**—Not later than March 1,
11 2020, the Secretary of Defense shall establish guidance
12 authorizing the use of acquisition pathways described in
13 subsection (b) for the rapid acquisition of software appli-
14 cations and software upgrades that are intended to be
15 fielded within one year. A contract awarded under this sec-
16 tion—

17 (1) shall be in an amount equal to or less than
18 \$50,000,000; and

19 (2) may be entered into for a period of not
20 more than one year.

21 (b) **SOFTWARE ACQUISITION PATHWAYS.**—The guid-
22 ance required by subsection (a) shall provide for the use
23 of the following two acquisition pathways:

24 (1) **APPLICATIONS.**—The applications pathway
25 shall provide for the use of rapid development and

1 implementation of software applications to be used
2 with commercially available hardware.

3 (2) UPGRADES.—The upgrades pathway shall
4 provide for the rapid development and insertion of
5 software upgrades for embedded weapon systems or
6 another hardware system solely used by the Depart-
7 ment of Defense.

8 (c) GENERAL REQUIREMENTS.—The guidance re-
9 quired by subsection (a) shall provide for—

10 (1) the use of proven technologies and solutions
11 to continuously engineer, update, and deliver capa-
12 bilities in software; and

13 (2) a streamlined and coordinated require-
14 ments, budget, and acquisition process that results
15 in the rapid fielding of software applications and
16 software upgrades.

17 (d) EXPEDITED PROCESS.—

18 (1) IN GENERAL.—An acquisition conducted
19 under the guidance required by subsection (a) shall
20 not be subject to the Joint Capabilities Integration
21 and Development System Manual and Department
22 of Defense Directive 5000.01, except to the extent
23 specifically provided in such guidance.

24 (2) REQUIREMENTS PROCESS.—The guidance
25 required by subsection (a) shall provide that the re-

1 requirements for acquisition of software applications
2 and software upgrades—

3 (A) are developed, refined, and prioritized
4 on an iterative basis through continuous partici-
5 pation and collaboration by users, testers, and
6 requirements authorities;

7 (B) include an identification of the need
8 for, and users of, the software to be acquired
9 and a rationale for how the software will sup-
10 port increased efficiency of the Department of
11 Defense;

12 (C) are stated in the form of a summary-
13 level list of vulnerabilities in existing software
14 systems and desired features or capabilities of
15 the software to be acquired; and

16 (D) consider issues related to lifecycle
17 costs, systems interoperability, and logistics
18 support if the developer of the software to be
19 acquired stops providing support.

20 (4) EXECUTION OF RAPID ACQUISITIONS.—The
21 Secretary shall ensure that—

22 (A) an acquisition conducted under the
23 guidance required by subsection (a) is sup-
24 ported by an entity capable of regular auto-
25 mated testing of the source code of the software

1 to be acquired and that such entity is author-
2 ized to buy storage, bandwidth, and computing
3 capability as necessary;

4 (B) the Department of Defense can collect
5 and analyze the testing data described in sub-
6 paragraph (A) to make decisions regarding soft-
7 ware acquisition and oversight;

8 (C) the Director of Operational Test and
9 Evaluation and the project manager appointed
10 under paragraph (5) design test cases to ensure
11 that the entity described in subparagraph (A)
12 can test the software to be acquired to ensure
13 such software meets the requirements of the
14 contract;

15 (D) the project manager appointed under
16 paragraph (5) closely monitors the progress of
17 an acquisition conducted under the guidance re-
18 quired by subsection (a);

19 (E) an independent cost estimate is con-
20 ducted that considers—

21 (i) the iterative process of the develop-
22 ment of the software to be acquired; and

23 (ii) the long-term value of the soft-
24 ware to be acquired to the Department of

1 Defense, not based on the value of indi-
2 vidual lines of source code of the software;
3 (F) the performance of fielded versions of
4 the software to be acquired are demonstrated
5 and evaluated in an operational environment;
6 and

7 (G) performance metrics of the software to
8 be acquired, such as metrics relating to when
9 the software can be fielded, delivery capabilities
10 of the software (including speed of recovery
11 from outages and cybersecurity vulnerabilities),
12 and assessments and estimations of the size
13 and complexity of such software, are automati-
14 cally generated on a continuous basis and made
15 available to the Department of Defense and the
16 congressional defense committees.

17 (5) ADMINISTRATION OF SOFTWARE ACQUISSI-
18 TION PATHWAYS.—The guidance required by sub-
19 section (a) may provide for the use of any of the fol-
20 lowing streamlined procedures:

21 (A) The service acquisition executive of the
22 military department concerned shall appoint a
23 project manager for each acquisition of software
24 applications and software upgrades, as deter-
25 mined by the service acquisition executive. Such

1 project manager shall be appointed from among
2 civilian employees or members of the Armed
3 Forces who have significant and relevant expe-
4 rience in current software processes.

5 (B) Each project manager shall report
6 with respect to such acquisition directly, and
7 without intervening review or approval, to the
8 service acquisition executive of the military de-
9 partment concerned.

10 (C) The service acquisition executive of the
11 military department concerned shall evaluate
12 the job performance of such manager on an an-
13 nual basis. In conducting an evaluation under
14 this paragraph, a service acquisition executive
15 shall consider the extent to which the manager
16 has achieved the objectives of the acquisition
17 for which the manager is responsible, including
18 quality, timeliness, and cost objectives.

19 (D) The project manager shall be author-
20 ized staff positions for a technical staff, includ-
21 ing experts in software engineering to enable
22 the manager to manage the acquisition without
23 the technical assistance of another organiza-
24 tional unit of an agency to the maximum extent
25 practicable.

1 (E) The project manager shall be author-
2 ized, in coordination with the users and testers
3 of the software to be acquired, to make trade-
4 offs among lifecycle costs, requirements, and
5 schedules to meet the goals of the acquisition.

6 (F) The service acquisition executive or the
7 Under Secretary of Defense for Acquisition and
8 Sustainment, as applicable, shall serve as the
9 decision authority for the acquisition.

10 (G) The project manager of a defense
11 streamlined acquisition shall be provided a
12 process to expeditiously seek a waiver from
13 Congress from any statutory or regulatory re-
14 quirement that the project manager determines
15 adds little or no value to the management of
16 the acquisition.

17 (e) CONTRACT TERMS.—

18 (1) IN GENERAL.—A contract entered into pur-
19 suant to the guidance required by subsection (a)—

20 (A) may be awarded within a 90-day pe-
21 riod after solicitation on the basis of—

22 (i) statements of qualifications and
23 past performance data submitted by
24 offerors; and

1 (ii) discussions with two or more
2 qualified offerors without regard to price;

3 (B) may be a time-and-materials contract;

4 (C) shall be treated as a contract for the
5 acquisition of commercial services (as defined in
6 section 103a of title 41, United States Code, as
7 in effect on January 1, 2020);

8 (D) shall identify the individuals to per-
9 form the work of the contract, and such individ-
10 uals may not be replaced without the advance
11 written consent of the contracting officer; and

12 (E) may allow for a contractor performing
13 the work of the contract to review existing soft-
14 ware in consultation with the user community
15 and incorporate user feedback to—

16 (i) define and prioritize software re-
17 quirements; and

18 (ii) design and implement new soft-
19 ware applications and software upgrades.

20 (2) OPTIONS.—A contract entered into pursu-
21 ant to the guidance required by subsection (a) may
22 contain an option to extend the contract once, for a
23 period not to exceed one year, to complete the imple-
24 mentation of one or more specified software applica-
25 tions and software upgrades identified during the

1 period of the initial contract. Such an option may
2 not be in an amount greater than \$100,000,000
3 and—

4 (A) if the option is a time-and-materials
5 contract, it shall be treated as a contract for
6 the acquisition of commercial services (as de-
7 fined in section 103a of title 41, United States
8 Code); and

9 (B) if the option is a fixed-price contract,
10 it shall be treated as a contract for the acqui-
11 sition of commercial products (as defined in sec-
12 tion 103 of title 41, United States Code).

13 (f) RULE OF CONSTRUCTION.—Nothing in this sec-
14 tion shall be deemed to prevent the use of other methods
15 of acquisition to procure software applications and up-
16 grades.

17 (g) CONFORMING AMENDMENT.—Section 2430(a)(2)
18 of title 10, United States Code, is amended—

19 (1) in subparagraph (A), by striking “or” at
20 the end;

21 (2) in subparagraph (B), by striking the period
22 at the end and inserting “; or”; and

23 (3) by adding at the end the following new sub-
24 paragraph:

1 “(C) an acquisition program for software
2 applications and software upgrades carried out
3 using the acquisition guidance issued pursuant
4 to section 801 of the National Defense Author-
5 ization Act for Fiscal Year 2020.”.

6 **SEC. 802. SOFTWARE DEVELOPMENT AND SOFTWARE AC-**
7 **QUISITION TRAINING AND MANAGEMENT**
8 **PROGRAMS.**

9 (a) ESTABLISHMENT OF SOFTWARE DEVELOPMENT
10 AND SOFTWARE ACQUISITION TRAINING AND MANAGE-
11 MENT PROGRAMS.—

12 (1) IN GENERAL.—The Secretary of Defense,
13 acting through the Under Secretary of Defense for
14 Acquisition and Sustainment and in consultation
15 with the Under Secretary of Defense for Research
16 and Engineering and the Chief Information Officer
17 of the Department of Defense, shall establish soft-
18 ware development and software acquisition training
19 and management programs for all software acquisi-
20 tion professionals, software developers, and other ap-
21 propriate individuals, as determined by the Secretary
22 of Defense to earn a certification in software devel-
23 opment and software acquisition.

24 (2) PROGRAM CONTENTS.—The programs es-
25 tablished under paragraph (1) shall—

1 (A) develop and expand the use of special-
2 ized training programs for chief information of-
3 ficers of the military departments and the De-
4 fense Agencies, service acquisition executives,
5 program executive officers, and program man-
6 agers to include training on and experience in—

7 (i) continuous software development;
8 and
9 (ii) acquisition pathways available to
10 acquire software;

11 (B) ensure program managers for major
12 defense acquisition programs, defense business
13 systems, and other software programs of the
14 Department of Defense—

15 (i) have demonstrated competency in
16 current software processes;

17 (ii) have the skills to lead a workforce
18 that can quickly meet challenges, use soft-
19 ware tools that prioritize continuous or fre-
20 quent upgrades as such tools become avail-
21 able, take up opportunities provided by
22 new innovations, and plan software activi-
23 ties in short iterations to learn from risks
24 of software testing; and

1 (iii) have the experience and training
2 to delegate technical oversight and execu-
3 tion decisions; and

4 (C) include continuing education courses
5 and experiential training to help individuals
6 maintain skills learned through the programs.

7 (b) REPORTS.—

8 (1) REPORTS REQUIRED.—The Secretary shall
9 submit to the congressional defense committees—

10 (A) not later than 90 days after the date
11 of the enactment of this Act, an initial report;
12 and

13 (B) not later than one year after the date
14 of the enactment of this Act, a final report.

15 (2) CONTENTS.—Each report required under
16 paragraph (1) shall include—

17 (A) the status of implementing the soft-
18 ware development and software acquisition
19 training and management programs established
20 under subsection (a)(1);

21 (B) a description of the requirements for
22 certification, including the requirements for
23 competencies in current software processes;

1 (C) a description of potential career paths
2 in software development and software acquisi-
3 tion within the Department of Defense;

4 (D) an independent assessment conducted
5 by the Defense Innovation Board of the
6 progress made on implementing the programs
7 established under subsection (a)(1); and

8 (E) any recommendations for changes to
9 existing law to facilitate the implementation of
10 the programs established under subsection
11 (a)(1).

12 (c) DEFINITIONS.—In this section:

13 (1) PROGRAM EXECUTIVE OFFICER; PROGRAM
14 MANAGER.—The terms “program executive officer”
15 and “program manager” have the meanings given
16 those terms, respectively, in section 1737 of title 10,
17 United States Code.

18 (2) SERVICE ACQUISITION EXECUTIVE.—The
19 terms “military department”, “Defense Agency”,
20 and “service acquisition executive” have the mean-
21 ings given those terms, respectively, in section 101
22 of title 10, United States Code.

23 (3) MAJOR DEFENSE ACQUISITION PROGRAM.—
24 The term “major defense acquisition program” has

1 the meaning given in section 2430 of title 10,
2 United States Code.

3 (4) DEFENSE BUSINESS SYSTEM.—The term
4 “defense business system” has the meaning given in
5 section 2222(i)(1) of title 10, United States Code.

6 **SEC. 803. MODIFICATIONS TO COST OR PRICING DATA FOR**
7 **CERTAIN PROCUREMENTS.**

8 (a) COST OR PRICING DATA FOR CERTAIN COMMER-
9 CIAL PRODUCTS.—

10 (1) IN GENERAL.—Section 2306a(b)(4) of title
11 10, United States Code, is amended by adding at
12 the end the following new subparagraph:

13 “(D) If the head of contracting activity deter-
14 mines, based on market research, that a commercial
15 item will be solely procured by the Department of
16 Defense, the offeror of such commercial product
17 shall provide cost or pricing data to the contracting
18 officer pursuant to subsection (a).”.

19 (2) CONFORMING AMENDMENT.—Effective Jan-
20 uary 1, 2020, subparagraph (D) of section
21 2306a(b)(4) of title 10, United States Code, as
22 added by paragraph (1), is amended by striking
23 “commercial item” and inserting “commercial prod-
24 uct”.

1 (b) DATA OTHER THAN CERTIFIED COST OR PRIC-
2 ING DATA FOR SOLE SOURCE CONTRACT AWARDS.—

3 (1) IN GENERAL.—Not later than 60 days after
4 the date of the enactment of this Act, the Secretary
5 of Defense shall revise the Defense Supplement to
6 the Federal Acquisition Regulation to require an of-
7 feror for a sole source contract, subcontract, or
8 modification of a sole source contract or subcontract,
9 to submit to the contracting officer data other than
10 certified cost or pricing data under section 2306a(d)
11 of title 10, United States Code, for purposes of de-
12 termining the reasonableness of the price of the con-
13 tract, subcontract, or modification of the contract or
14 subcontract.

15 (2) PENALTY.—With respect to an offeror that
16 fails to comply with the requirements established
17 under paragraph (1), the Secretary of Defense
18 may—

19 (A) suspend or debar such offeror; or

20 (B) include a notation on such offeror in
21 the system used by the Federal Government to
22 monitor or record contractor past performance.

23 (c) SHOULD-COST ANALYSIS FOR COMMERCIAL
24 PRODUCT PROCUREMENTS.—The Director of the Defense
25 Contract Management Agency shall identify which com-

1 merical products (as defined in section 103 of title 41,
2 United States Code, as in effect on January 1, 2020)
3 should be analyzed under the should-cost review process
4 before the Secretary of Defense enters into a contract to
5 procure such a commercial product.

6 (d) GUIDELINES AND RESOURCES ON THE ACQUISITION OR LICENSING OF INTELLECTUAL PROPERTY.—Sec-
7 tion 2322 of title 10, United States Code, is amended by
8 adding at the end the following new subsection:
9

10 “(c) GUIDELINES AND RESOURCES.—

11 “(1) IN GENERAL.—The Secretary of Defense,
12 acting through the Under Secretary of Defense for
13 Acquisition and Sustainment, shall develop guide-
14 lines and resources on the acquisition or licensing of
15 intellectual property, including—

16 “(A) model forms for specially negotiated
17 licenses described under section 2320(f) (as ap-
18 propriate); and

19 “(B) an identification of definitions, key
20 terms, examples, and case studies that resolve
21 ambiguities in the differences between—

22 “(i) detailed manufacturing and proc-
23 ess data;

24 “(ii) form, fit, and function data; and

1 “(iii) data required for operations,
2 maintenance, installation, and training.

3 “(2) CONSULTATION.—In developing the guide-
4 lines and resources described in paragraph (1), the
5 Secretary shall regularly consult with appropriate
6 stakeholders, including large and small businesses,
7 traditional and non-traditional contractors (including
8 subcontractors), and maintenance repair organiza-
9 tions.”.

10 **SEC. 804. MODIFICATIONS TO COST OR PRICING DATA ON**
11 **BELOW-THRESHOLD CONTRACTS.**

12 (a) BELOW-THRESHOLD CIVILIAN CONTRACTS.—
13 Section 3504 of title 41, United States Code is amended—

14 (1) by striking “head of the procuring activity”
15 each place it appears and inserting “contracting offi-
16 cer”;

17 (2) in subsection (b), by striking “or (2)”; and

18 (3) by striking subsection (c).

19 (b) BELOW-THRESHOLD DEFENSE CONTRACTS.—
20 Section 2306a(e) of title 10, United States Code, is
21 amended—

22 (1) by striking “head of the procuring activity”
23 each place it appears and inserting “contracting offi-
24 cer”;

25 (2) in paragraph (2), by striking “or (B)”; and

1 (3) by striking paragraph (3).

2 **SEC. 805. COMPTROLLER GENERAL REPORT ON PRICE REA-**
3 **SONABLENESS.**

4 Not later than March 31, 2021, the Comptroller Gen-
5 eral of the United States shall submit to the congressional
6 defense committees, the Committee on Oversight and Re-
7 form of the House of Representatives, and the Committee
8 on Homeland Security and Governmental Affairs of the
9 Senate a report on the efforts of the Secretary of Defense
10 to secure data relating to the price reasonableness of of-
11 fers from offerors. The report shall include a review of—

12 (1) the number of, and justification for, any
13 waiver of requirements for submission of certified
14 cost or pricing data for sole source contracts for
15 spare parts issued during fiscal years 2015 through
16 2019 pursuant to section 2306a(b)(1)(C) of title 10,
17 United States Code;

18 (2) the number of, and justification for, any ex-
19 ception to the requirements for submission of cer-
20 tified cost or pricing data for sole source contracts
21 for spare parts provided during fiscal years 2015
22 through 2019 pursuant to section 2306a(b)(1)(B) of
23 title 10, United States Code;

24 (3) the number of contracts awarded for which
25 a request for cost or pricing data, including data

1 other than certified cost or pricing data, to deter-
2 mine price reasonableness was denied by an offeror
3 at the time of award;

4 (4) actions taken by the Secretary if an offeror
5 refused to provide request data described in para-
6 graph (2), including—

7 (A) whether the contracting officer in-
8 cluded a notation in the system used by the
9 Federal Government to monitor or record con-
10 tractor past performance regarding the refusal
11 of an offeror to provide such data;

12 (B) any strategies developed by the Sec-
13 retary to acquire the good that was the subject
14 of a contract for which the offeror refused to
15 provide such data in the future without the
16 need for such a waiver.

17 **SEC. 806. REQUIREMENT THAT CERTAIN SHIP COMPO-**
18 **NENTS BE MANUFACTURED IN THE NA-**
19 **TIONAL TECHNOLOGY AND INDUSTRIAL**
20 **BASE.**

21 (a) **ADDITIONAL PROCUREMENT LIMITATION.**—Sec-
22 tion 2534(a) of title 10, United States Code, is amended
23 by adding at the end the following new paragraph:

24 “(6) **COMPONENTS FOR AUXILIARY SHIPS.**—
25 Subject to subsection (k), the following components:

1 “(A) Auxiliary equipment, including
2 pumps, for all shipboard services.

3 “(B) Propulsion system components, in-
4 cluding engines, reduction gears, and propellers.

5 “(C) Shipboard cranes.

6 “(D) Spreaders for shipboard cranes.”.

7 (b) IMPLEMENTATION.—Such section is further
8 amended by adding at the end the following new sub-
9 section:

10 “(k) IMPLEMENTATION OF AUXILIARY SHIP COMPO-
11 NENT LIMITATION.—Subsection (a)(6) applies only with
12 respect to contracts awarded by the Secretary of a military
13 department for new construction of an auxiliary ship after
14 the date of the enactment of the National Defense Author-
15 ization Act for Fiscal Year 2020 using funds available for
16 National Defense Sealift Fund programs or Shipbuilding
17 and Conversion, Navy. For purposes of this subsection,
18 the term ‘auxiliary ship’ does not include an icebreaker.”.

19 **SEC. 807. ACQUISITION AND DISPOSAL OF CERTAIN RARE**
20 **EARTH MATERIALS.**

21 (a) GUIDANCE ON STREAMLINED ACQUISITION OF
22 COVERED RARE EARTH MATERIALS.—

23 (1) IN GENERAL.—Not later than 180 days
24 after the date of the enactment of this Act, the
25 Under Secretary of Defense for Acquisition and

1 Sustainment, in consultation with the Under Sec-
2 retary of Defense (Comptroller), the Vice Chairman
3 of the Joint Chiefs of Staff, and the appropriate
4 Under Secretary of State designated by the Sec-
5 retary of State shall establish guidance to—

6 (A) enable the acquisition of items con-
7 taining rare earth materials; and

8 (B) establish a secure supply chain for
9 rare earth materials from sources within the
10 United States and covered foreign sources.

11 (2) CONTENTS.—The guidance required by
12 paragraph (1) shall encourage the use of rare earth
13 materials mined, refined, processed, melted, or sin-
14 tered in the United States and include—

15 (A) a determination of when best value
16 contracting methods should be used to ensure
17 the viability of a rare earth material supplier;

18 (B) a guide to the applicability of relevant
19 statutes, including sections 2533b and 2533c of
20 title 10, United States Code, and other statu-
21 tory or regulatory restrictions to defense con-
22 tracts and subcontracts;

23 (C) information on current sources within
24 the United States and covered foreign sources
25 of rare earth materials along with commonly

1 used commercial documentation and review
2 processes;

3 (D) directives on budgeting and expending
4 funds for the qualification and certification of
5 suppliers of rare earth materials within the
6 United States to meet national security needs;
7 and

8 (E) any exceptions to the Joint Capabili-
9 ties Integration and Development System Man-
10 ual and Department of Defense Directive
11 5000.01.

12 (3) REPORT.—Not later than 180 days after
13 the date of the enactment of this Act, the Under
14 Secretary of Defense for Acquisition and
15 Sustainment, in consultation with the appropriate
16 Under Secretary of State designated by the Sec-
17 retary of State, shall submit to the congressional de-
18 fense committees, the Committee on Foreign Affairs
19 of the House of Representatives, and the Committee
20 on Foreign Relations of the Senate a report on—

21 (A) the guidance required by paragraph
22 (1); and

23 (B) the efforts of the Secretary of Defense
24 to create and maintain secure supply chain for

1 rare earth materials from sources within the
2 United States and covered foreign sources.

3 (4) DEFINITIONS.—In this subsection:

4 (A) COVERED FOREIGN SOURCE.—The
5 term “covered foreign source” means a source
6 located in a foreign country that is not an ad-
7 versary of the United States, as determined by
8 the Secretary of Defense.

9 (B) RARE EARTH MATERIAL.—The term
10 “rare earth material” means a concentrate,
11 oxide, carbonate, fluoride, metal, alloy, magnet,
12 or finished product whose chemical, magnetic,
13 or nuclear properties are largely defined by the
14 presence of—

15 (i) yttrium;

16 (ii) scandium; or

17 (iii) any lanthanide series element.

18 (b) AUTHORITY TO DISPOSE OF AND ACQUIRE MA-
19 TERIALS FOR THE NATIONAL DEFENSE STOCKPILE.—

20 (1) DISPOSAL AUTHORITY.—Pursuant to sec-
21 tion 5(b) of the Strategic and Critical Materials
22 Stock Piling Act (50 U.S.C. 98d(b)), the National
23 Defense Stockpile Manager shall dispose of
24 3,000,000 pounds of tungsten ores and concentrates
25 contained in the National Defense Stockpile (in ad-

1 dition to any amount previously authorized for dis-
2 posal).

3 (2) ACQUISITION AUTHORITY.—

4 (A) AUTHORITY.—Using funds available in
5 the National Defense Stockpile Transaction
6 Fund, the National Defense Stockpile Manager
7 may acquire the following materials determined
8 to be strategic and critical materials required to
9 meet the defense, industrial, and essential civil-
10 ian needs of the United States:

11 (i) Aerospace-grade rayon.

12 (ii) Electrolytic manganese metal.

13 (iii) Pitch-based carbon fiber.

14 (iv) Rare earth cerium compounds.

15 (v) Rare earth lanthanum compounds.

16 (B) AMOUNT OF AUTHORITY.—The Na-
17 tional Defense Stockpile Manager may use up
18 to \$37,420,000 in the National Defense Stock-
19 pile Transaction Fund for acquisition of the
20 materials specified in subsection (b).

21 (C) FISCAL YEAR LIMITATION.—The au-
22 thority under subsection (b) is available for pur-
23 chases during fiscal year 2020 through fiscal
24 year 2024.

25 (c) NATIONAL DEFENSE STOCKPILE SALES.—

1 (1) SENSE OF CONGRESS.—It is the sense of
2 Congress that tantalum should be designated as a
3 strategic and critical material under the Strategic
4 and Critical Materials Stock Piling Act (50 U.S.C.
5 98 et seq.), required to meet the defense, industrial,
6 and essential civilian needs of the United States.

7 (2) NATIONAL DEFENSE STOCKPILE SALES OF
8 TANTALUM.—Section 2533c(d)(1) of title 10, United
9 States code, is amended—

10 (A) in subparagraph (C), by striking
11 “and” at the end;

12 (B) in subparagraph (D), by striking the
13 period at the end and inserting “; and”; and

14 (C) adding at the end the following new
15 subparagraph:

16 “(E) tantalum.”.

17 (3) PROHIBITION ON SALES OF MATERIALS.—
18 Section 2533c(a)(2) of title 10, United States Code,
19 is amended by striking “covered” before “material”.

20 **SEC. 808. PROHIBITION ON ACQUISITION OF TANTALUM**
21 **FROM NON-ALLIED FOREIGN NATIONS.**

22 Subsection (d)(1) of section 2533c of title 10, United
23 States Code, is amended—

24 (1) in subparagraph (C), by striking “and” at
25 the end;

1 (2) in subparagraph (D), by striking the period
2 at the end and inserting “; and”; and

3 (3) by adding at the end the following new sub-
4 paragraph:

5 “(E) tantalum.”.

6 **SEC. 809. APPLICATION OF MISCELLANEOUS TECHNOLOGY**
7 **BASE POLICIES AND PROGRAMS TO THE CO-**
8 **LUMBIA-CLASS SUBMARINE PROGRAM.**

9 Notwithstanding subchapter V of chapter 148 of title
10 10, United States Code (except for sections 2534, 2533a,
11 and 2533b of such title), for a period of one year begin-
12 ning on the date of the enactment of this Act, the mile-
13 stone decision authority (as defined in section 2366a of
14 title 10, United States Code) for the Columbia-class sub-
15 marine program shall ensure that such program maintains
16 the schedule approved under the Milestone B approval (as
17 defined in such section).

18 **SEC. 810. APPLICATION OF LIMITATION ON PROCUREMENT**
19 **OF GOODS OTHER THAN UNITED STATES**
20 **GOODS TO THE FFG-FRIGATE PROGRAM.**

21 Notwithstanding any other provision of law, amounts
22 authorized to carry out the FFG-Frigate Program may
23 be used to award a new contract that provides for the ac-
24 quisition of the following components regardless of wheth-

1 er those components are manufactured in the United
2 States:

3 (1) Auxiliary equipment (including pumps) for
4 shipboard services.

5 (2) Propulsion equipment (including engines,
6 reduction gears, and propellers).

7 (3) Shipboard cranes.

8 (4) Spreaders for shipboard cranes.

9 **SEC. 811. CONSIDERATION OF PRICE IN PROCUREMENT OF**
10 **THE FFG(X) FRIGATE.**

11 In evaluating proposals for a contract to procure a
12 FFG(X) frigate, the Secretary of the Navy shall ensure
13 price is a critical evaluation factor set forth in the request
14 for proposal (solicitation number N0002419R2300) for
15 the procurement of the frigate.

16 **SEC. 812. REPEAL OF CONTINUATION OF DATA RIGHTS**
17 **DURING CHALLENGES.**

18 (a) REPEAL.—Section 866 of the John S. McCain
19 National Defense Authorization Act for Fiscal Year 2019
20 (Public Law 115–232; 132 Stat. 1901; 10 U.S.C. 2321)
21 is repealed.

22 (b) RESTORATION OF AMENDED PROVISION.—Sub-
23 section (i) of section 2321 of title 10, United States Code,
24 is amended to read as follows:

1 “(i) RIGHTS AND LIABILITY UPON FINAL DISPOSI-
2 TION.—(1) If, upon final disposition, the contracting offi-
3 cer’s challenge to the use or release restriction is sus-
4 tained—

5 “(A) the restriction shall be cancelled; and

6 “(B) if the asserted restriction is found not to
7 be substantially justified, the contractor or subcon-
8 tractor asserting the restriction shall be liable to the
9 United States for payment of the cost to the United
10 States of reviewing the asserted restriction and the
11 fees and other expenses (as defined in section
12 2412(d)(2)(A) of title 28) incurred by the United
13 States in challenging the asserted restriction, unless
14 special circumstances would make such payment un-
15 just.

16 “(2) If, upon final disposition, the contracting offi-
17 cer’s challenge to the use or release restriction is not sus-
18 tained—

19 “(A) the United States shall continue to be
20 bound by the restriction; and

21 “(B) the United States shall be liable for pay-
22 ment to the party asserting the restriction for fees
23 and other expenses (as defined in section
24 2412(d)(2)(A) of title 28) incurred by the party as-
25 serting the restriction in defending the asserted re-

1 restriction if the challenge by the United States is
2 found not to be made in good faith.”.

3 **SEC. 813. REPEAL OF AUTHORITY TO WAIVE ACQUISITION**
4 **LAWS TO ACQUIRE VITAL NATIONAL SECUR-**
5 **RITY CAPABILITIES.**

6 Section 806 of the National Defense Authorization
7 Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C.
8 2302 note) is repealed.

9 **SEC. 814. REPEAL OF TRANSFER OF FUNDS RELATED TO**
10 **COST OVERRUNS AND COST UNDERRUNS.**

11 (a) **IN GENERAL.**—Section 828 of the National De-
12 fense Authorization Act for Fiscal Year 2016 (Public Law
13 114–92; 10 U.S.C. 2430 note) is repealed.

14 (b) **CONFORMING AMENDMENT.**—Section 825 of the
15 National Defense Authorization Act for Fiscal Year 2018
16 (Public Law 115–91; 131 Stat. 1466) is amended—

17 (1) by repealing subsection (b); and

18 (2) by striking “(a) **IN GENERAL.**—”.

19 **Subtitle B—Amendments to Gen-**
20 **eral Contracting Authorities,**
21 **Procedures, and Limitations**

22 **SEC. 821. MODIFICATIONS TO THE MIDDLE TIER OF ACQUI-**
23 **SITION PROGRAMS.**

24 (a) **ACCESS TO TECHNICAL DATA, RECORDS, AND IN-**
25 **FORMATION.**—Section 804 of the National Defense Au-

1 thorization Act for Fiscal Year 2016 (Public Law 114–
2 92; 10 U.S.C. 2302 note) is amended by adding at the
3 end the following new subsection:

4 “(e) ACCESS TO TECHNICAL DATA, RECORDS, AND
5 INFORMATION.—The Secretary of Defense shall develop a
6 process to provide the Director of Operational Test and
7 Evaluation, the Director of Cost Assessment and Program
8 Evaluation, and the Under Secretary of Defense for Re-
9 search and Engineering access to all technical data,
10 records, and information necessary to evaluate the techno-
11 logical maturity, operational effectiveness, and operational
12 suitability of products and technologies proposed to be ac-
13 quired under the guidance required by subsection (a).”.

14 (b) DOLLAR THRESHOLD FOR ACQUISITION PRO-
15 GRAMS.—Subsection (a) of such section is amended—

16 (1) by striking “Not later than” and inserting
17 the following:

18 “(1) IN GENERAL.—Not later than”;

19 (2) in paragraph (1), as so designated, by strik-
20 ing “acquisition programs that are intended to be
21 completed in a period of two to five years.” and in-
22 serting the following: “acquisition programs—

23 “(A) with an eventual total expenditure for
24 research, development, test, and evaluation or
25 an eventual total expenditure for procurement

1 that is less than those expenditures described in
2 section 2430(a)(1)(B) of this title; and

3 “(B) that are intended to be completed in
4 a period of two to five years.”; and

5 (3) by adding at the end the following new
6 paragraph:

7 “(2) WAIVER.—The Secretary of Defense may
8 waive the requirements of subparagraph (A) of para-
9 graph (1), and may not delegate the authority to
10 make such a waiver.”.

11 **SEC. 822. BRIEFING RELATING TO THE “MIDDLE TIER” OF**
12 **ACQUISITION PROGRAMS.**

13 (a) IN GENERAL.—Not later than December 1, 2019,
14 the Secretary of Defense shall provide a briefing to the
15 congressional defense committees on lessons learned and
16 best practices identified through the use of the “middle
17 tier” of acquisition programs described under section 804
18 of the National Defense Authorization Act for Fiscal Year
19 2016 (Public Law 114–92; 10 U.S.C. 2302 note). The
20 briefing shall be accompanied by a written analysis—

21 (1) identifying which lessons learned can be ap-
22 plied to—

23 (A) “middle tier” acquisition programs;

24 and

1 (B) any major defense acquisition program
2 (as defined under section 2430 of title 10,
3 United States Code);

4 (2) describing the extent to which covered risk
5 should be a factor in determining which acquisition
6 authority to use, including—

7 (A) an acquisition pathway as described
8 under subsection (b) of section 804 of the Na-
9 tional Defense Authorization Act for Fiscal
10 Year 2016 (Public Law 114–92; 10 U.S.C.
11 2302 note);

12 (B) the authority described under section
13 2371b of title 10, United States Code;

14 (C) acquisition authority relating to urgent
15 operational needs;

16 (D) a traditional acquisition process; or

17 (E) any other acquisition authority, as de-
18 termined by the Secretary;

19 (3) describing whether any requirements appli-
20 cable to major defense acquisition programs should
21 be applicable to “middle tier” acquisition programs
22 under such section; and

23 (4) recommending amendments or revisions (as
24 applicable) to law or regulation, and including avail-
25 able data to support such recommendations.

1 (b) COVERED RISK DEFINED.—In this section, the
2 term “covered risk” shall have the meaning given by the
3 Secretary of Defense, and shall include a consideration of
4 cost, schedule, performance, risk to operational success.

5 **SEC. 823. RATES FOR PROGRESS PAYMENTS OR PERFORM-**
6 **ANCE-BASED PAYMENTS.**

7 (a) CONSISTENCY IN ESTABLISHMENT OF RATES
8 FOR PROGRESS PAYMENTS OR PERFORMANCE-BASED
9 PAYMENTS.—Section 2307(a) of title 10, United States
10 Code, is amended by inserting the following new para-
11 graph:

12 “(3) Except as provided in subsection (g), the
13 Secretary of Defense shall not establish a rate for
14 progress payments or a rate for performance-based
15 payments that is lower than the rate for progress
16 payments or a rate for performance-based payments,
17 as applicable, established by another head of an
18 agency.”.

19 (b) PAYMENT AUTHORITY.—Section 2307(a)(1) of
20 title 10, United States Code, is amended in the matter
21 preceding subparagraph (A) by striking “The head of any
22 agency may” and inserting “The head of an agency may—
23 ”.

24 (c) NOTICE OF REVISION TO RATES FOR PROGRESS
25 PAYMENTS OR PERFORMANCE-BASED PAYMENTS.—

1 (1) TO CONGRESS.—The Secretary of Defense
2 may not issue rules to revise the rate for progress
3 payments or the rate for performance-based pay-
4 ments unless the Secretary provides the congress-
5 sional defense committees with a notice of deter-
6 mination of need for such revision. This notice shall
7 include—

8 (A) a justification, including the data and
9 analysis supporting the justification, for the re-
10 vision; and

11 (B) an assessment of how the revision will
12 create a more effective acquisition process and
13 benefit the defense industrial base.

14 (2) PUBLICATION.—The Secretary shall publish
15 the notice required by paragraph (1) in the Federal
16 Register not later than five business days after pro-
17 viding such notice to the congressional defense com-
18 mittees.

19 **SEC. 824. ADDITIONAL REQUIREMENTS FOR NEGOTIATIONS**
20 **FOR NONCOMMERCIAL COMPUTER SOFT-**
21 **WARE.**

22 Section 2322a of title 10, United States Code, is
23 amended by adding at the end the following new sub-
24 sections:

1 “(c) RIGHTS TO NONCOMMERCIAL COMPUTER SOFT-
2 WARE.—As part of any negotiation for the acquisition of
3 noncommercial computer software, the Secretary of De-
4 fense may not require a contractor to sell or otherwise re-
5 linquish to the Federal Government any rights to non-
6 commercial computer software developed exclusively at
7 private expense, except for rights related to—

8 “(1) corrections or changes to such software or
9 related materials for such software furnished to the
10 contractor by the Department of Defense;

11 “(2) such software or related materials for such
12 software that is otherwise publicly available or that
13 has been released or disclosed by the contractor or
14 subcontractor without restrictions on further use, re-
15 lease, or disclosure, other than a release or disclo-
16 sure resulting from the sale, transfer, or other as-
17 signment of interest in such software or related ma-
18 terials to another party;

19 “(3) such software or related materials for such
20 software obtained with unlimited rights under an-
21 other contract with the Federal Government or as a
22 result of such a negotiation; or

23 “(4) such software or related materials for such
24 software furnished to the Department of Defense
25 under a contract or subcontract that includes—

1 “(A) restricted rights in such software,
2 limited rights in technical data, or government
3 purpose rights, where such restricted rights,
4 limited rights, or government purpose rights
5 have expired; or

6 “(B) government purpose rights, where the
7 contractor’s exclusive right to use such software
8 or related materials for commercial purposes
9 has expired.

10 “(d) CONSIDERATION OF SPECIALLY NEGOTIATED
11 LICENSES.—The Secretary of Defense shall, to the max-
12 imum extent practicable, negotiate and enter into a con-
13 tract with a contractor for a specially negotiated license
14 for noncommercial computer software or related materials
15 for such software necessary to support the product sup-
16 port strategy of a major weapon system or subsystem of
17 a major weapon system.”.

18 **SEC. 825. RESPONSIBILITY FOR DATA ANALYSIS AND RE-**
19 **QUIREMENTS VALIDATION FOR SERVICES**
20 **CONTRACTS.**

21 Section 2329 of title 10, United States Code, is
22 amended—

23 (1) in subsection (a), by inserting “, acting
24 through the Under Secretary of Defense (Comp-

1 troller) and Director of Cost Assessment and Pro-
2 gram Evaluation,” after “Secretary of Defense”;

3 (2) in subsection (b), in the matter preceding
4 paragraph (1), by inserting “, acting through the
5 Under Secretary of Defense (Comptroller) and Di-
6 rector of Cost Assessment and Program Evalua-
7 tion,” after “Secretary of Defense”; and

8 (3) in subsection (c)(2)(A), by inserting “, act-
9 ing through the Under Secretary of Defense (Comp-
10 troller) and Director of Cost Assessment and Pro-
11 gram Evaluation,” after “Secretary of Defense”.

12 **SEC. 826. ANNUAL REPORTS ON AUTHORITY TO CARRY OUT**
13 **CERTAIN PROTOTYPE PROJECTS.**

14 (a) IN GENERAL.—Section 2371b of title 10, United
15 States Code, is amended by adding at the end the fol-
16 lowing new subsections:

17 “(i) DATA COLLECTION AND USE.—(1) The service
18 acquisition executive of each military department shall col-
19 lect data on the use of the authority under this section
20 by the applicable military department, and the Under Sec-
21 retary of Defense for Research and Engineering and the
22 Under Secretary of Defense for Acquisition and
23 Sustainment shall collect data on all other use of such au-
24 thority by the Department of Defense, including use by
25 the Defense Agencies.

1 “(2) The Under Secretary of Defense for Acquisition
2 and Sustainment shall—

3 “(A) maintain a database of information col-
4 lected under this section, which shall be made acces-
5 sible to any official designated by the Secretary of
6 Defense; and

7 “(B) analyze such information to update policy
8 and guidance related to the use of the authority
9 under this section.

10 “(j) REPORT.—(1) Not later than December 31,
11 2019, and each December 31 thereafter the Secretary of
12 Defense shall annually submit to the congressional defense
13 committees a report covering the preceding fiscal year on
14 the use of the authority under this section. Each report
15 shall summarize the data collected under subsection (i) on
16 the nature and extent of each such use of the authority,
17 including a description—

18 “(A) of the participants to an agreement en-
19 tered into pursuant to the authority of subsection
20 (a) or a follow-on contract or transaction entered
21 into pursuant to the authority of subsection (f);

22 “(B) of the quantity of prototype projects to be
23 produced pursuant to such an agreement, follow-on
24 contract, or transaction;

1 “(C) of the amount of payments made pursuant
2 to each such agreement, follow-on contract, or trans-
3 action;

4 “(D) of the purpose, description, and status of
5 prototype projects carried out pursuant to each such
6 agreement, follow-on contract, or transaction; and

7 “(E) including case examples, of the successes
8 and challenges with using the authority of sub-
9 section (a) or (f).

10 “(2) A report required under this subsection shall be
11 submitted in unclassified form without any designation re-
12 lating to dissemination control, but may contain a classi-
13 fied annex.”.

14 (b) CONFORMING AMENDMENT.—Section 873 of the
15 John S. McCain National Defense Authorization Act for
16 Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1905;
17 10 U.S.C. 2371 note) is repealed.

18 **SEC. 827. COMPETITION REQUIREMENTS FOR PURCHASES**
19 **FROM FEDERAL PRISON INDUSTRIES.**

20 (a) COMPETITION REQUIREMENTS FOR PURCHASES
21 FROM FEDERAL PRISON INDUSTRIES.—Subsections (a)
22 and (b) of section 2410n of title 10, United States Code,
23 are amended to read as follows:

24 “(a) MARKET RESEARCH.—Before purchasing a
25 product listed in the latest edition of the Federal Prison

1 Industries catalog published under section 4124(d) of title
2 18, the Secretary of Defense shall conduct market re-
3 search to determine whether such product—

4 “(1) is comparable to products available from
5 the private sector; and

6 “(2) best meets the needs of the Department of
7 Defense in terms of price, quality, and time of deliv-
8 ery.

9 “(b) COMPETITION REQUIREMENT.—If the Secretary
10 determines that a Federal Prison Industries product is not
11 comparable to products available from the private sector
12 and does not best meet the needs of the Department of
13 Defense in terms of price, quality, or time of delivery, the
14 Secretary shall use competitive procedures or make an in-
15 dividual purchase under a multiple award contract for the
16 procurement of the product. In conducting such a competi-
17 tion or making such a purchase, the Secretary shall con-
18 sider a timely offer from Federal Prison Industries.”.

19 (b) EFFECTIVE DATE.—The amendment made by
20 subsection (a) shall take effect 60 days after the date of
21 the enactment of this Act.

22 **SEC. 828. ENHANCED POST-AWARD DEBRIEFING RIGHTS.**

23 Section 818(a)(1) of the National Defense Authoriza-
24 tion Act for Fiscal Year 2018 (Public Law 115–91; 131
25 Stat. 1463; 10 U.S.C. 2305 note) is amended by striking

1 “\$100,000,000” each place it appears and inserting
2 “\$50,000,000”.

3 **SEC. 829. STANDARDIZING DATA COLLECTION AND RE-**
4 **PORTING ON USE OF SOURCE SELECTION**
5 **PROCEDURES BY FEDERAL AGENCIES.**

6 (a) REPEAL OF GOVERNMENT ACCOUNTABILITY OF-
7 FICE REPORTING REQUIREMENTS ON USE OF LOWEST
8 PRICE TECHNICALLY ACCEPTABLE SOURCE SELECTION
9 CRITERIA.—

10 (1) DEPARTMENT OF DEFENSE.—Section 813
11 of the National Defense Authorization Act for Fiscal
12 Year 2017 (10 U.S.C. 2305 note) is amended by
13 striking subsection (d).

14 (2) OTHER AGENCIES.—Section 880 of the
15 John S. McCain National Defense Authorization Act
16 for Fiscal Year 2019 (Public Law 115–232; 132
17 Stat. 1910; 41 U.S.C. 3701 note) is amended by
18 striking subsection (d) and redesignating subsection
19 (e) as subsection (d).

20 (b) REVISION TO THE FEDERAL PROCUREMENT
21 DATA SYSTEM.—Not later than 180 days after the date
22 of the enactment of this Act, the Administrator of General
23 Services, in coordination with the Administrator for Fed-
24 eral Procurement Policy, shall direct appropriate revisions
25 to the Federal procurement data system established pur-

1 suant to section 1122(a)(4) of title 41, United States Code
2 (or any successor system), to facilitate the collection of
3 complete, timely, and reliable data on the source selection
4 processes used by Federal agencies for the contract ac-
5 tions being reported in the system. The Administrator of
6 General Services shall ensure that data is collected—

7 (1) at a minimum, on the usage of the lowest
8 price technically acceptable contracting methods and
9 best value contracting methods process; and

10 (2) on all applicable contracting actions, includ-
11 ing task orders or delivery orders issued under in-
12 definite delivery-indefinite quantity contracts.

13 **SEC. 830. MODIFICATION OF JUSTIFICATION AND AP-**
14 **PROVAL REQUIREMENT FOR CERTAIN DE-**
15 **PARTMENT OF DEFENSE CONTRACTS.**

16 (a) MODIFICATION OF JUSTIFICATION AND AP-
17 PROVAL REQUIREMENT.—Notwithstanding section 811 of
18 the National Defense Authorization Act for Fiscal Year
19 2010 (Public Law 111–84; 123 Stat. 2405)—

20 (1) no justification and approval is required
21 under such section for a sole-source contract award-
22 ed by the Department of Defense in a covered pro-
23 curement for an amount not exceeding
24 \$100,000,000; and

1 (2) for purposes of subsections (a)(2) and
2 (c)(3)(A) of such section, the appropriate official
3 designated to approve the justification for a sole-
4 source contract awarded by the Department of De-
5 fense in a covered procurement exceeding
6 \$100,000,000 is the official designated in section
7 2304(f)(1)(B)(ii) of title 10, United States Code.

8 (b) GUIDANCE.—Not later than 90 days after the
9 date of the enactment of this Act, the Secretary of Defense
10 shall issue guidance to implement the authority under sub-
11 section (a).

12 (c) COMPTROLLER GENERAL REVIEW.—

13 (1) DATA TRACKING AND COLLECTION.—The
14 Department of Defense shall track the use of the au-
15 thority provided pursuant to subsection (a) and
16 make the data available to the Comptroller General
17 for purposes of the report required under paragraph
18 (2).

19 (2) REPORT.—Not later than February 1,
20 2022, the Comptroller General of the United States
21 shall submit a report to the congressional defense
22 committees on the use of the authority provided pur-
23 suant to subsection (a) through the end of fiscal
24 year 2021.

1 **Subtitle C—Provisions Relating to**
2 **Acquisition Workforce**

3 **SEC. 841. DEFENSE ACQUISITION WORKFORCE CERTIFI-**
4 **CATION AND EDUCATION REQUIREMENTS.**

5 (a) PROFESSIONAL CERTIFICATION REQUIRE-
6 MENT.—

7 (1) PROFESSIONAL CERTIFICATION REQUIRED
8 FOR ALL ACQUISITION WORKFORCE PERSONNEL.—

9 Section 1701a of title 10, United States Code, is
10 amended—

11 (A) by redesignating subsections (c) and
12 (d) as subsections (d) and (e), respectively; and

13 (B) by inserting after subsection (b) the
14 following new subsection:

15 “(c) PROFESSIONAL CERTIFICATION.—(1) IN GEN-
16 ERAL.—The Secretary of Defense shall implement a cer-
17 tification program to provide for a professional certifi-
18 cation requirement for all members of the acquisition
19 workforce. Except as provided in paragraph (2), the cer-
20 tification requirement for any career field of the acqui-
21 sition workforce shall be based on nationally or internation-
22 ally recognized standards developed by a third-party enti-
23 ty.

24 “(2) REQUIREMENTS FOR SECRETARY.—If the Sec-
25 retary determines that, for a particular acquisition work-

1 force career field, the third-party entity described in para-
2 graph (1) does not meet the needs of the Department, the
3 Secretary shall establish the professional certification re-
4 quirement for that career field that conforms with nation-
5 ally or internationally recognized standards. The Secretary
6 shall determine the best approach to implement such re-
7 quirement for that career field, including implementation
8 through entities outside the Department of Defense and
9 may be designed and implemented without regard to sec-
10 tion 1746 of this title.”.

11 (2) CERTIFICATION RENEWAL.—Paragraph (3)
12 of section 1723(a) of such title is amended by strik-
13 ing the second sentence.

14 (3) PARTICIPATION IN PROFESSIONAL ASSOCIA-
15 TIONS.—Section 1701a(b) of such title is amended—

16 (A) by redesignating paragraphs (6), (7),
17 (8), and (9) as paragraphs (7), (8), (9), and
18 (10), respectively; and

19 (B) by inserting after paragraph (5) the
20 following new paragraph:

21 “(6) authorize a member of the acquisition
22 workforce to participate in professional associations,
23 consistent with the performance plan of such mem-
24 ber, if such participation provides the member with

1 the opportunity to gain leadership and management
2 skills;”.

3 (4) EFFECTIVE DATE.—The Secretary of De-
4 fense shall carry out the certification program re-
5 quired by subsection (c) of section 1701a of title 10,
6 United States Code, as added by paragraph (1), not
7 later than 180 days after the date of the enactment
8 of this Act.

9 (b) ELIMINATION OF STATUTORY REQUIREMENT
10 FOR COMPLETION OF 24 SEMESTER CREDIT HOURS.—

11 (1) QUALIFICATION REQUIREMENTS FOR CON-
12 TRACTING OFFICERS.—Section 1724 of title 10,
13 United States Code, is amended—

14 (A) in subsection (a)(3)—

15 (i) by striking “(A)” after “(3)”; and

16 (ii) by striking “, and (B)” and all
17 that follows through “and management”;

18 (B) in subsection (b), by striking “require-
19 ments” in the first sentences of paragraphs (1)
20 and (2) and inserting “requirement”;

21 (C) in subsection (e)—

22 (i) in paragraph (1)—

23 (I) by striking “requirements in
24 subparagraphs (A) and (B) of sub-

1 section (a)(3)” and inserting “require-
2 ment of subsection (a)(3)”;

3 (II) in subparagraph (C), by
4 striking “requirements” and inserting
5 “requirement”; and

6 (ii) in paragraph (2)—

7 (I) by striking “shall have—”
8 and all that follows through “been
9 awarded” and inserting “shall have
10 been awarded”;

11 (II) by striking “; or” and insert-
12 ing a period; and

13 (III) by striking subparagraph
14 (B); and

15 (D) in subsection (f), by striking “, includ-
16 ing—” and all that follows and inserting a pe-
17 riod.

18 (2) SELECTION CRITERIA AND PROCEDURES.—

19 Section 1732 of such title is amended—

20 (A) in subsection (b)(1)—

21 (i) by striking “Such requirements,”
22 and all the follows through “the person—
23 ” and inserting “Such requirements shall
24 include a requirement that the person—”;

25 (ii) by striking subparagraph (B); and

1 (iii) by redesignating clauses (i) and
2 (ii) as subparagraphs (A) and (B), respec-
3 tively, and conforming the margins accord-
4 ingly;

5 (B) in subsection (c), by striking “require-
6 ments of subsections (b)(1)(A) and (b)(1)(B)”
7 in paragraphs (1) and (2) and inserting “re-
8 quirement of subsection (b)(1)”;

9 (C) in subsection (d)—

10 (i) by striking “(1) Except as pro-
11 vided in paragraph (2),”;

12 (ii) by striking paragraph (2).

13 (c) DEFENSE ACQUISITION UNIVERSITY CUR-
14 RICULUM DEVELOPMENT.—Section 1746(c) of title 10,
15 United States Code, is amended by inserting “, and with
16 commercial providers of training,” after “military depart-
17 ments”.

18 (d) CAREER PATHS.—

19 (1) CAREER PATH REQUIRED FOR EACH ACQUI-
20 SITION WORKFORCE CAREER FIELD.—Paragraph (4)
21 of section 1701a(b) of title 10, United States Code,
22 is amended to read as follows:

23 “(4) develop and implement a career path, as
24 described in section 1722(a) of this title, for each
25 career field designated by the Secretary under sec-

1 tion 1721(a) of this title as an acquisition workforce
2 career field;”.

3 (2) CONFORMING AMENDMENTS.—Section
4 1722(a) of such title is amended—

5 (A) by striking “appropriate career paths”
6 and inserting “an appropriate career path”;
7 and

8 (B) by striking “are identified” and insert-
9 ing “is identified for each acquisition workforce
10 career field”.

11 (3) DEADLINE FOR IMPLEMENTATION OF CA-
12 REER PATHS.—The Secretary of Defense shall carry
13 out the requirements of paragraph (4) of section
14 1701a(b) of title 10, United States Code (as amend-
15 ed by paragraph (1)), not later than the end of the
16 two-year period beginning on the date of the enact-
17 ment of this Act.

18 (e) CAREER FIELDS.—

19 (1) DESIGNATION OF ACQUISITION WORKFORCE
20 CAREER FIELDS.—Section 1721(a) of such title is
21 amended by adding at the end the following new
22 sentence: “The Secretary shall also designate in reg-
23 ulations those career fields in the Department of De-
24 fense that are acquisition workforce career fields for
25 purposes of this chapter.”.

1 (2) CLERICAL AMENDMENTS.—(A) The heading
2 of such section is amended to read as follows:

3 **“§ 1721. Designation of acquisition positions and ac-**
4 **quisition workforce career fields”.**

5 (B) The item relating to such section in
6 the table of sections at the beginning of sub-
7 chapter II of chapter 87 of such title is amend-
8 ed to read as follows:

 “1721. Designation of acquisition positions and acquisition workforce career
 fields.”.

9 (3)(A) The heading of subchapter II of chapter
10 87 of such title is amended to read as follows:

 “SUBCHAPTER II—ACQUISITION POSITIONS AND ACQUISITION WORKFORCE
 CAREER FIELDS”.

11 (B) The item relating to such subchapter in the
12 table of subchapters at the beginning of such chap-
13 ter is amended to read as follows:

 “II. Acquisition Positions And Acquisition Workforce Career Fields 1721”.

14 (4) DEADLINE FOR DESIGNATION OF CAREER
15 FIELDS.—The Secretary of Defense shall carry out
16 the requirements of second sentence of section
17 1721(a) of title 10, United States Code (as added by
18 paragraph (1)), not later than the end of the six-
19 month period beginning on the date of the enact-
20 ment of this Act.

21 (f) KEY WORK EXPERIENCES.—

1 (1) DEVELOPMENT OF KEY WORK EXPERI-
2 ENCES FOR EACH ACQUISITION WORKFORCE CAREER
3 FIELD.—Section 1722b of such title is amended by
4 adding at the end the following new subsection:

5 “(c) KEY WORK EXPERIENCES.—In carrying out
6 subsection (b)(2), the Secretary shall ensure that key work
7 experiences, in the form of multidiscipline training, are de-
8 veloped for each acquisition workforce career field.”.

9 (2) PLAN FOR IMPLEMENTATION OF KEY WORK
10 EXPERIENCES.—Not later than one year after the
11 date of the enactment of this Act, the Secretary of
12 Defense shall submit to the congressional defense
13 committees a plan identifying the specific actions the
14 Department of Defense has taken, and is planning
15 to take, to develop and establish key work experi-
16 ences for each acquisition workforce career field as
17 required by subsection (c) of section 1722b of title
18 10, United States Code, as added by paragraph (1).
19 The plan shall include specification of the percentage
20 of the acquisition workforce, or funds available for
21 administration of the acquisition workforce on an
22 annual basis, that the Secretary will dedicate to-
23 wards developing such key work experiences.

24 (g) APPLICABILITY OF CAREER PATH REQUIRE-
25 MENTS TO ALL MEMBERS OF ACQUISITION WORK-

1 FORCE.—Section 1723(b) of such title is amended by
2 striking “the critical acquisition-related”.

3 (h) COMPETENCY DEVELOPMENT.—

4 (1) IN GENERAL.—(A) Subchapter V of chapter
5 87 of such title is amended by adding at the end the
6 following new section:

7 **“§ 1765. Competency development**

8 “(a) IN GENERAL.—For each acquisition workforce
9 career field, the Secretary of Defense shall establish, for
10 the civilian personnel in that career field, defined pro-
11 ficiency standards and technical and nontechnical com-
12 petencies which shall be used in personnel qualification as-
13 sessments.

14 “(b) NEGOTIATIONS.—Any action taken by the Sec-
15 retary under this section, or to implement this section,
16 shall not be subject to the requirements of chapter 71 of
17 title 5.”.

18 (B) The table of sections at the beginning
19 of such subchapter II is amended by adding at
20 the end the following new item:

“1765. Competency development.”.

21 (2) DEADLINE FOR IMPLEMENTATION.—The
22 Secretary of Defense shall carry out the require-
23 ments of section 1765 of title 10, United States
24 Code (as added by paragraph (1)), not later than

1 the end of the two-year period beginning on the date
2 of the enactment of this Act.

3 (i) TERMINATION OF DEFENSE ACQUISITION
4 CORPS.—

5 (1) The Acquisition Corps for the Department
6 of Defense referred to in section 1731(a) of title 10,
7 United States Code, is terminated.

8 (2) Section 1733 of title 10, United States
9 Code, is amended—

10 (A) by striking subsection (a); and

11 (B) by redesignating subsection (b) as sub-
12 section (a).

13 (3) Subsection (b) of section 1731 of such title
14 is transferred to the end of section 1733 of such
15 title, as amended by paragraph (2), and amended—

16 (A) by striking “ACQUISITION CORPS” in
17 the heading and inserting “THE ACQUISITION
18 WORKFORCE”; and

19 (B) by striking “selected for the Acquisi-
20 tion Corps” and inserting “in the acquisition
21 workforce”.

22 (4) Subsection (e) of section 1732 of such title
23 is transferred to the end of section 1733 of such
24 title, as amended by paragraphs (2) and (3), redesi-
25 gnated as subsection (c), and amended—

1 (A) by striking “in the Acquisition Corps”
2 in paragraphs (1) and (2) and inserting “in
3 critical acquisition positions”; and

4 (B) by striking “serving in the Corps” in
5 paragraph (2) and inserting “employment”.

6 (5) Sections 1731 and 1732 of such title are re-
7 pealed.

8 (6)(A) Section 1733 of such title, as amended
9 by paragraphs (2), (3), and (4), is redesignated as
10 section 1731.

11 (B) The table of sections at the beginning of
12 subchapter III of chapter 87 of such title is amend-
13 ed by striking the items relating to sections 1731,
14 1732, and 1733 and inserting the following new
15 item:

“1731. Critical acquisition positions.”.

16 (7)(A) The heading of subchapter III of chapter
17 87 of such title is amended to read as follows:

“SUBCHAPTER III—CRITICAL ACQUISITION POSITIONS”.

18 (B) The item relating to such subchapter in the
19 table of subchapters at the beginning of such chap-
20 ter is amended to read as follows:

“III. Critical Acquisition Positions 1731”.

21 (8) Section 1723(a)(2) of such title is amended
22 by striking “section 1733 of this title” and inserting
23 “section 1731 of this title”.

1 (9) Section 1725 of such title is amended—

2 (A) in subsection (a)(1), by striking “De-
3 fense Acquisition Corps” and inserting “acqui-
4 sition workforce”; and

5 (B) in subsection (d)(2), by striking “of
6 the Defense Acquisition Corps” and inserting
7 “in the acquisition workforce serving in critical
8 acquisition positions”.

9 (10) Section 1734 of such title is amended—

10 (A) by striking “of the Acquisition Corps”
11 in subsections (e)(1) and (h) and inserting “of
12 the acquisition workforce”; and

13 (B) in subsection (g)—

14 (i) by striking “of the Acquisition
15 Corps” in the first sentence and inserting
16 “of the acquisition workforce”;

17 (ii) by striking “of the Corps” and in-
18 serting “of the acquisition workforce”; and

19 (iii) by striking “of the Acquisition
20 Corps” in the second sentence and insert-
21 ing “of the acquisition workforce in critical
22 acquisition positions”.

23 (11) Section 1737 of such title is amended—

1 (A) in subsection (a)(1), by striking “of
2 the Acquisition Corps” and inserting “of the ac-
3 quisition workforce”; and

4 (B) in subsection (b), by striking “of the
5 Corps” and inserting “of the acquisition work-
6 force”.

7 (12) Section 1742(a)(1) of such title is amend-
8 ed by striking “the Acquisition Corps” and inserting
9 “acquisition positions in the Department of De-
10 fense”.

11 (13) Section 2228(a)(4) of such title is amend-
12 ed by striking “under section 1733(b)(1)(C) of this
13 title” and inserting “under section 1731 of this
14 title”.

15 (14) Section 7016(b)(5)(B) of such title is
16 amended by striking “under section 1733 of this
17 title” and inserting “under section 1731 of this
18 title”.

19 (15) Section 8016(b)(4)(B) of such title is
20 amended by striking “under section 1733 of this
21 title” and inserting “under section 1731 of this
22 title”.

23 (16) Section 9016(b)(4)(B) of such title is
24 amended by striking “under section 1733 of this

1 title” and inserting “under section 1731 of this
2 title”.

3 (17) Paragraph (1) of section 317 of title 37,
4 United States Code, is amended to read as follows:

5 “(1) is a member of the acquisition workforce
6 selected to serve in, or serving in, a critical acquisi-
7 tion position designated under section 1731 of title
8 10.”.

9 (j) DESIGNATION OF FOREIGN MILITARY SALES AS
10 ACQUISITION POSITION.—Section 1721(b) of title 10,
11 United States Code, is amended by adding at the end the
12 following new paragraph:

13 “(13) Foreign military sales.”.

14 **SEC. 842. PUBLIC-PRIVATE EXCHANGE PROGRAM FOR THE**
15 **ACQUISITION WORKFORCE.**

16 (a) PUBLIC-PRIVATE EXCHANGE PROGRAM FOR THE
17 ACQUISITION WORKFORCE.—

18 (1) IN GENERAL.—Subchapter IV of chapter 87
19 of title 10, United States Code, is amended by add-
20 ing at the end the following new section:

21 **“§ 1749. Public-private exchange program for the ac-**
22 **quisition workforce**

23 “(a) ASSIGNMENT AUTHORITY.—(1) The Secretary
24 may, by rule, establish a program to be known as the
25 ‘Public-Private Exchange Program for the Acquisition

1 Workforce' to temporarily assign a member of the acquisi-
2 tion workforce to a private-sector organization or an em-
3 ployee of a private-sector organization to the Department
4 of Defense if—

5 “(A) pursuant to an agreement between the
6 Secretary, the private-sector organization, and the
7 individual to be temporarily assigned described in
8 subsection (b); and

9 “(B) with the consent of the individual to be
10 temporarily assigned.

11 “(2) Members of the acquisition workforce are eligible
12 for a temporary assignment under this section as follows:

13 “(A) Civilians in any of grades GS–12 through
14 GS–15 under the General Schedule or, for employees
15 participating in the demonstration project under sec-
16 tion 1762 of this title, the equivalent.

17 “(B) Members of the armed forces serving in
18 any of pay grades O–3 through O–6.

19 “(3) A private-sector organization shall not be consid-
20 ered to have a conflict of interest with the Department
21 of Defense solely because of participation in the program
22 established under this section.

23 “(b) AGREEMENTS.—(1) An agreement entered into
24 under this section shall include the following:

1 “(A) The terms and conditions of a temporary
2 assignment.

3 “(B) In the case of an agreement for the tem-
4 porary assignment of a member of the acquisition
5 workforce, a requirement that the member of the ac-
6 quisition workforce, upon completion of the tem-
7 porary assignment, will—

8 “(i) if a member of the armed forces, serve
9 in the armed forces for a period equal to twice
10 the length of the temporary assignment (in ad-
11 dition to any other period of obligated service);
12 or

13 “(ii) if a civilian, serve in the Department
14 of Defense, or elsewhere in the civil service if
15 approved by the Secretary, for a period equal to
16 twice the length of the temporary assignment.

17 “(C) A provision that if the individual to be
18 temporarily assigned fails to carry out the agree-
19 ment, such individual shall be liable to the United
20 States for payment of all expenses of the assign-
21 ment, unless that failure was for good and sufficient
22 reason, as determined by the Secretary of Defense.

23 “(D) In the case of an agreement for the tem-
24 porary assignment of a member of the acquisition
25 workforce, language ensuring that such member of

1 the acquisition workforce does not improperly use
2 pre-decisional or draft deliberative information that
3 such member may be privy to or aware of related to
4 Department programing, budgeting, resourcing, ac-
5 quisition, or procurement for the benefit or advan-
6 tage of the private-sector organization.

7 “(2) An amount for which an individual is liable
8 under paragraph (1)(C) shall be treated as a debt due the
9 United States.

10 “(3) The Secretary may waive, in whole or in part,
11 collection of a debt described in paragraph (2) based on
12 a determination that the collection would be against equity
13 and good conscience and not in the best interests of the
14 United States, after taking into account any indication of
15 fraud, misrepresentation, fault, or lack of good faith on
16 the part of the individual who is liable for the debt.

17 “(c) TERMINATION.—An assignment under this sec-
18 tion may, at any time and for any reason, be terminated
19 by the Department of Defense or the private-sector orga-
20 nization concerned.

21 “(d) DURATION.—(1) Except as provided in para-
22 graph (2), an assignment under this section shall be for
23 a period of not more than two years, renewable up to a
24 total of four years.

1 “(2) An assignment under this section may be for a
2 period in excess of two years, but not more than four
3 years, if the Secretary determines that such assignment
4 is necessary to meet critical mission or program require-
5 ments.

6 “(3) A member of the acquisition workforce may not
7 be assigned under this section for more than a total of
8 four years inclusive of all such assignments.

9 “(e) STATUS OF INDIVIDUALS ASSIGNED TO PRI-
10 VATE-SECTOR ORGANIZATIONS.—(1) A member of the ac-
11 quisition workforce who is assigned to a private-sector or-
12 ganization under this section shall be considered, during
13 the period of assignment, to be on detail to a regular duty
14 or work assignment, as applicable, in the Department for
15 all purposes.

16 “(2) In the case of a civilian member of the acqui-
17 sition workforce, the written agreement established under
18 subsection (b)(1)—

19 “(A) shall address the specific terms and condi-
20 tions related to the civilian member’s continued sta-
21 tus as a Federal employee; and

22 “(B) in the case of an assignment of nine
23 months or longer, shall provide that, if the civilian
24 member successfully completes the assignment (as
25 determined by the Secretary), the civilian member

1 shall be eligible for consideration for placement in a
2 new position under programs of the Department of
3 Defense providing priority placement to certain em-
4 ployees.

5 “(3) With respect to an assignment of a member of
6 the acquisition workforce under this section, the Sec-
7 retary—

8 “(A) may, in the case of a civilian member of
9 the acquisition workforce, provide for the perform-
10 ance, during the member’s absence, of the normal
11 duties and functions of that member by making a
12 temporary or term appointment under general civil
13 service authorities for such appointments;

14 “(B) shall ensure that the normal duties and
15 functions of the civilian member of the acquisition
16 workforce described in subparagraph (A) can be rea-
17 sonably performed by other personnel of the Depart-
18 ment of Defense without the permanent transfer or
19 permanent reassignment of other personnel of the
20 Department of Defense, including members of the
21 armed forces;

22 “(C) shall ensure that the normal duties and
23 functions of the acquisition workforce member are
24 not, as a result of and during the course of such
25 temporary assignment, performed or augmented by

1 contractor personnel in violation of the provisions of
2 section 2461 of this title; and

3 “(D) shall certify that the temporary assign-
4 ment of the acquisition workforce member will not
5 have an adverse or negative impact on mission at-
6 tainment, warfighter support, or organizational ca-
7 pabilities associated with the assignment.

8 “(f) TERMS AND CONDITIONS FOR PRIVATE-SECTOR
9 EMPLOYEES.—An employee of a private-sector organiza-
10 tion who is assigned to a Department of Defense organiza-
11 tion under this section—

12 “(1) shall continue to receive pay and benefits
13 from the private-sector organization from which such
14 employee is assigned and shall not receive pay or
15 benefits from the Department of Defense, except as
16 provided in paragraph (2);

17 “(2) is deemed to be an employee of the De-
18 partment of Defense for the purposes of—

19 “(A) chapters 73 and 81 of title 5;

20 “(B) sections 201, 203, 205, 207, 208,
21 209, 603, 606, 607, 643, 654, 1905, and 1913
22 of title 18;

23 “(C) sections 1343, 1344, and 1349(b) of
24 title 31;

1 “(D) the Federal Tort Claims Act and any
2 other Federal tort liability statute;

3 “(E) the Ethics in Government Act of
4 1978; and

5 “(F) chapter 21 of title 41;

6 “(3) shall not have access to any trade secrets
7 or to any other nonpublic information which is of
8 commercial value to the private-sector organization
9 from which such employee is assigned;

10 “(4) may perform work that is considered in-
11 herently governmental in nature only when requested
12 in writing by the Secretary of Defense; and

13 “(5) may not be used to circumvent the provi-
14 sion of section 2461 of this title nor to circumvent
15 any limitation or restriction on the size of the De-
16 partment’s workforce.

17 “(g) PROHIBITION AGAINST CHARGING CERTAIN
18 COSTS TO THE FEDERAL GOVERNMENT.—A private-sec-
19 tor organization may not charge the Department or any
20 other agency of the Federal Government, as direct or indi-
21 rect costs under a Federal contract, the costs of pay or
22 benefits paid by the organization to an employee assigned
23 to a Department organization under this section for the
24 period of the assignment.

1 “(h) CONSIDERATION OF TRAINING NEEDS FOR
2 MEMBERS OF THE ACQUISITION WORKFORCE.—In car-
3 rying out this section, the Secretary of Defense shall take
4 into consideration how assignments under this section
5 might best be used to help meet the needs of the Depart-
6 ment of Defense with respect to the training of members
7 of the acquisition workforce.

8 “(i) FUNDING; USE OF DEFENSE ACQUISITION
9 WORKFORCE DEVELOPMENT FUND.—Funds for the ex-
10 penses for the program established under this section shall
11 be provided from amounts in the Department of Defense
12 Acquisition Workforce Development Fund. Expenses for
13 the program include—

14 “(1) notwithstanding section 1705(e)(5) of this
15 title, the base salary of a civilian member of the ac-
16 quisition workforce assigned to a private-sector orga-
17 nization under this section, during the period of that
18 assignment;

19 “(2) expenses relating to assignment under this
20 section of a member of the acquisition workforce
21 away from the member’s regular duty station, in-
22 cluding expenses for travel, per diem, and lodging;
23 and

24 “(3) expenses for the administration of the pro-
25 gram.”.

1 (2) CLERICAL AMENDMENT.—The table of sec-
2 tions at the beginning of such subchapter is amend-
3 ed by adding at the end the following new item:

“1749. Public-private exchange program for the acquisition workforce.”.

4 (b) USE OF DEFENSE ACQUISITION WORKFORCE
5 DEVELOPMENT FUND.—Section 1705(e)(1) of such title
6 is amended by adding at the end the following new sub-
7 paragraph:

8 “(C) Amounts in the Fund shall be used to
9 pay the expenses of the Public-Private Ex-
10 change Program for the Acquisition Workforce
11 under section 1749 of this title.”.

12 (c) ACQUISITION WORKFORCE EMPLOYEES EX-
13 CLUDED FROM PUBLIC-PRIVATE TALENT EXCHANGE.—

14 (1) IN GENERAL.—Section 1599g of such title
15 is amended by adding at the end the following new
16 subsection:

17 “(i) ACQUISITION WORKFORCE EM-
18 PLOYEES.—An employee of the Depart-
19 ment of Defense who is eligible for the
20 Public-Private Exchange Program for the
21 Acquisition Workforce under section 1749
22 of this title is not eligible for an assign-
23 ment under this section.”.

24 (2) APPLICABILITY.—Subsection (i) of section
25 1599g of title 10, United States Code, as added by

1 paragraph (1), shall not apply to an employee of the
2 Department of Defense who entered into an agree-
3 ment under that section before the date of the enact-
4 ment of this Act.

5 **SEC. 843. INCENTIVES AND CONSIDERATION FOR QUALI-**
6 **FIED TRAINING PROGRAMS.**

7 (a) IN GENERAL.—

8 (1) Chapter 141 of title 10, United States
9 Code, is amended by inserting after section 2409 the
10 following new section:

11 **“§ 2409a. Incentives and consideration for qualified**
12 **training programs**

13 “(a) INCENTIVES.—The Secretary of Defense shall
14 develop workforce development investment incentives for
15 a contractor that implements a qualified training program
16 to develop the workforce of the contractor in a manner
17 consistent with the needs of the Department of Defense.

18 “(b) CONSIDERATION OF QUALIFIED TRAINING PRO-
19 GRAMS.—The Secretary of Defense shall revise the De-
20 partment of Defense Supplement to the Federal Acquisi-
21 tion Regulation to require that the system used by the
22 Federal Government to monitor or record contractor past
23 performance includes an analysis of the availability, qual-
24 ity, and effectiveness of a qualified training program of

1 an offeror as part of the past performance rating of such
2 offeror.

3 “(c) QUALIFIED TRAINING PROGRAM DEFINED.—

4 The term ‘qualified training program’ means any of the
5 following:

6 “(1) A program eligible to receive funds under
7 the Workforce Innovation and Opportunity Act (29
8 U.S.C. 3101 et seq.).

9 “(2) A program eligible to receive funds under
10 the Carl D. Perkins Career and Technical Education
11 Act of 2006 (20 U.S.C. 2301 et seq.).

12 “(3) A program registered under the Act of Au-
13 gust 16, 1937 (commonly known as the ‘National
14 Apprenticeship Act’; Stat. 664, chapter 663; 29
15 U.S.C. 50 et seq.).

16 “(4) Any other program determined to be a
17 qualified training program for purposes of this sec-
18 tion, and that meets the workforce needs of the De-
19 partment of Defense, as determined by the Secretary
20 of Defense.”.

21 (2) CLERICAL AMENDMENT.—The table of sec-
22 tions at the beginning of such chapter is amended
23 by inserting after the item relating to section 2409
24 the following new item:

“2409a. Incentives and consideration for qualified training programs.”.

1 **SEC. 844. CERTIFICATION BY PROSPECTIVE MILITARY CON-**
2 **STRUCTION CONTRACTORS OF GOOD FAITH**
3 **EFFORT TO UTILIZE QUALIFIED APPREN-**
4 **TICES.**

5 (a) REQUIREMENTS.—Subchapter III of chapter 169
6 of title 10, United States Code, is amended by adding at
7 the end the following new section:

8 **“§ 2870. Utilization of qualified apprentices by mili-**
9 **tary construction contractors**

10 “(a) CERTIFICATION REQUIRED.—(1) The Secretary
11 of Defense shall require each prospective contractor on a
12 military construction project to certify to the Secretary
13 that, if awarded a contract for the project, the prospective
14 contractor will make a good faith effort to meet or exceed
15 the apprenticeship employment goal on such project.

16 “(2) If a prospective contractor fails to certify as re-
17 quired by paragraph (1), the Secretary may not determine
18 such prospective contractor to be a responsible contractor.

19 “(b) APPRENTICESHIP EMPLOYMENT GOAL.—

20 “(1) IN GENERAL.—In this section, the term
21 ‘apprenticeship employment goal’ means the utiliza-
22 tion of qualified apprentices as not less than 20 per-
23 cent of the total workforce employed in an
24 apprenticeable occupation (as determined by the
25 Secretary of Labor).

1 “(2) QUALIFIED APPRENTICE.—In paragraph
2 (1), the term ‘qualified apprentice’ means an em-
3 ployee participating in an apprenticeship program
4 that is registered with—

5 “(A) the Office of Apprenticeship of the
6 Employment Training Administration of the
7 Department of Labor pursuant to the Act of
8 August 16, 1937 (popularly known as the ‘Na-
9 tional Apprenticeship Act’; 29 U.S.C. 50 et
10 seq.); or

11 “(B) a State apprenticeship agency recog-
12 nized by such Office of Apprenticeship pursuant
13 to such Act.

14 “(c) CONSIDERATION OF APPRENTICESHIP EMPLOY-
15 MENT GOAL.—The Secretary of Defense shall revise the
16 Defense Supplement to the Federal Acquisition Regula-
17 tion to require that the system used by the Federal Gov-
18 ernment to monitor or record contractor past performance
19 includes an analysis of whether the contractor has made
20 a good faith effort to meet or exceed the apprenticeship
21 employment goal, including consideration of actual utiliza-
22 tion by the contractor of qualified apprentices, as part of
23 the past performance rating of such contractor.

24 “(d) INCENTIVES.—The Secretary of Defense shall
25 develop incentives for prospective contractors on military

1 construction projects to meet or exceed the apprenticeship
2 employment goal.”.

3 (b) CLERICAL AMENDMENT.—The table of sections
4 at the beginning of subchapter III of chapter 169 of title
5 10, United States Code, is amended by adding at the end
6 the following new item:

“2870. Utilization of qualified apprentices by military construction contrac-
tors.”.

7 (c) APPLICABILITY.—The amendments made by this
8 section shall apply with respect to contracts awarded on
9 or after the date that is 180 days after the date of the
10 enactment of this Act.

11 **Subtitle D—Provisions Relating to** 12 **Acquisition Security**

13 **SEC. 851. SUPPLY CHAIN SECURITY OF CERTAIN TELE-** 14 **COMMUNICATIONS AND VIDEO SURVEIL-** 15 **LANCE SERVICES OR EQUIPMENT.**

16 (a) ASSESSMENT.—The Secretary of Defense, in con-
17 sultation with the Federal Acquisition Security Council
18 (established under section 1322 of title 41, United States
19 Code) and the Director of the Office of Management and
20 Budget, shall conduct a comprehensive assessment of—

21 (1) Department of Defense policies relating to
22 covered equipment and services;

23 (2) covered equipment and services acquired or
24 to be acquired for the Department; and

1 (3) systems of covered contractors to ensure the
2 security of the supply chains of such covered con-
3 tractor.

4 (b) PURPOSE.—The assessment described in sub-
5 section (a) shall include—

6 (1) an identification of instances in which the
7 Federal Acquisition Security Council has identified
8 supply chain risks (as defined in section 4713(k) of
9 title 41, United States Code) that are specific to the
10 defense industrial base and other threat assessments
11 related to the procurement of covered articles (as de-
12 fined in such section);

13 (2) an identification of and suggestions for
14 guidance on the process of debarment and suspen-
15 sion (including debarment and suspension for non-
16 procurement programs and activities) of covered
17 contractors to address supply chain risks relating to
18 acquisitions for the Department of Defense, includ-
19 ing acquisitions involving other executive agencies;
20 and

21 (3) an identification of steps that could be
22 taken to address situations identified under para-
23 graphs (1) and (2) through the Interagency Suspen-
24 sion and Debarment Committee established under
25 Executive Order 12549 (51 Fed. Reg. 6370).

1 (c) ACTIONS FOLLOWING ASSESSMENT.—Not later
2 than 180 days after the date of the enactment of this Act,
3 the Secretary shall, based on the results of the assessment
4 required by subsection (a)—

5 (1) issue or revise guidance to ensure any entity
6 within the Department of Defense that procures cov-
7 ered equipment and services implements a risk-based
8 approach with respect to such a procurement that
9 addresses—

10 (A) requirements for training personnel;

11 (B) the process for making sourcing deci-
12 sions;

13 (C) with respect to a procurement of tele-
14 communications equipment or video surveillance
15 equipment, assurances relating to the
16 traceability of parts of such equipment;

17 (D) the process for reporting suspect cov-
18 ered equipment and services; and

19 (E) corrective actions for the acquisition of
20 suspect covered equipment and services (includ-
21 ing actions to recover costs as described in sub-
22 section (d)(2));

23 (2) issue or revise guidance to ensure that re-
24 medial actions, including debarment or suspension,
25 are taken with respect to a covered contractor who

1 has failed to detect and avoid suspect covered equip-
2 ment and services or otherwise failed to exercise due
3 diligence in the detection and avoidance of such sus-
4 pect covered equipment and services;

5 (3) establish a process for ensuring that a De-
6 partment of Defense employee provide a written re-
7 port to the appropriate Government authorities and
8 the Government-Industry Data Exchange Program
9 (or a similar program designated by the Secretary)
10 not later than 60 days after such an employee be-
11 comes aware, or has reason to suspect that—

12 (A) any end item, component, part, or ma-
13 terial contained in supplies purchased by or for
14 the Department contains suspect covered equip-
15 ment and services; or

16 (B) a covered contractor has provided sus-
17 pect covered equipment and services; and

18 (4) establish a process for analyzing, assessing,
19 and acting on reports of suspect covered equipment
20 and services that are submitted in accordance with
21 paragraph (3).

22 (d) REGULATIONS.—

23 (1) IN GENERAL.—Not later than 270 days
24 after the date of the enactment of this Act, the Sec-
25 retary shall revise the Department of Defense Sup-

1 plement to the Federal Acquisition Regulation to ad-
2 dress the detection and avoidance of suspect covered
3 equipment and services.

4 (2) CONTRACTOR RESPONSIBILITIES.—The re-
5 vised regulations issued pursuant to paragraph (1)
6 shall provide that—

7 (A) covered contractors who supply covered
8 equipment or services are responsible for detect-
9 ing and avoiding the use or inclusion of suspect
10 covered equipment or services and for any con-
11 tract modification or corrective action that may
12 be required to remedy the use or inclusion of
13 such suspect covered equipment or services; and

14 (B) the cost of suspect covered equipment
15 or services and the cost of contract modification
16 or corrective action that may be required to
17 remedy the use or inclusion of such suspect cov-
18 ered equipment or services are not allowable
19 costs under defense contracts, unless—

20 (i) the covered contractor has an oper-
21 ational system to detect and avoid suspect
22 covered equipment or services that has
23 been reviewed and approved by the Sec-
24 retary pursuant to subsection (e)(2)(B);

1 (ii) suspect covered equipment or serv-
2 ices were provided to the covered con-
3 tractor as Government property in accord-
4 ance with part 45 of the Federal Acquisi-
5 tion Regulation or were obtained by the
6 covered contractor in accordance with reg-
7 ulations described in paragraph (3); and

8 (iii) the covered contractor discovers
9 the suspect covered equipment or services
10 and provides timely notice to the Govern-
11 ment pursuant to paragraph (4).

12 (3) REQUIREMENTS FOR SUPPLIERS.—The re-
13 vised regulations issued pursuant to paragraph (1)
14 shall—

15 (A) require that covered contractors obtain
16 covered equipment or services—

17 (i) from the original manufacturers of
18 the equipment or their authorized dealers,
19 or from suppliers that meet requirements
20 of subparagraph (C) or (D) and, with re-
21 spect to suppliers of telecommunications
22 equipment or video surveillance equipment,
23 that obtain such equipment exclusively
24 from the original manufacturers of the

1 parts of such equipment or their author-
2 ized dealers; and

3 (ii) that are not in production or cur-
4 rently available in stock from suppliers
5 that meet requirements of subparagraph
6 (C) or (D);

7 (B) establish requirements for notification
8 of the Department, and for inspection, testing,
9 and authentication of covered equipment and
10 services that covered contractor obtains from an
11 alternate supplier;

12 (C) establish qualification requirements,
13 consistent with the requirements of section
14 2319 of title 10, United States Code, pursuant
15 to which the Secretary may identify suppliers
16 that have appropriate policies and procedures in
17 place to detect and avoid suspect covered equip-
18 ment and services; and

19 (D) authorize covered contractors to iden-
20 tify and use suppliers that meet qualification
21 requirements, provided that—

22 (i) the standards and processes for
23 identifying such suppliers comply with es-
24 tablished industry standards; and

1 (ii) the selection of such suppliers is
2 subject to review, audit, and approval by
3 appropriate Department of Defense offi-
4 cials.

5 (4) REPORTING REQUIREMENT.—The revised
6 regulations issued pursuant to paragraph (1) shall
7 require that any covered contractor provide a written
8 report to the appropriate Government authorities
9 and the Government-Industry Data Exchange Pro-
10 gram (or a similar program designated by the Sec-
11 retary) not later than 60 days after such covered
12 contractor becomes aware, or has reason to suspect
13 that—

14 (A) any end item, component, part, or ma-
15 terial contained in supplies purchased by or for
16 the Department contains suspect covered equip-
17 ment and services; or

18 (B) a supplier of a covered contractor has
19 provided suspect covered equipment and serv-
20 ices.

21 (e) IMPROVEMENT OF CONTRACTOR SYSTEMS FOR
22 DETECTION AND AVOIDANCE OF SUSPECT COVERED
23 EQUIPMENT AND SERVICES.—

24 (1) IN GENERAL.—Not later than 270 days
25 after the date of the enactment of this Act, the Sec-

1 retary shall implement a program to enhance the de-
2 tection and avoidance of the acquisition of suspect
3 covered equipment and services by covered contrac-
4 tors.

5 (2) ELEMENTS.—The program implemented
6 pursuant to paragraph (1) shall—

7 (A) require covered contractors to establish
8 policies and procedures to eliminate suspect
9 covered equipment and services from the de-
10 fense supply chain, which policies and proce-
11 dures shall address—

12 (i) the training of personnel; and

13 (ii) with respect to a procurement of
14 telecommunications equipment or video
15 surveillance equipment, the inspection and
16 testing of related materials and mecha-
17 nisms to enable traceability of parts of
18 such equipment; and

19 (B) establish processes for the review and
20 approval of contractor systems for the detection
21 and avoidance of the acquisition of suspect cov-
22 ered equipment and services by covered contrac-
23 tors, which processes shall be comparable to the
24 processes established for contractor business
25 systems under section 893 of the Ike Skelton

1 National Defense Authorization Act for Fiscal
2 Year 2011 (Public Law 111–383; 124 Stat.
3 4311; 10 U.S.C. 2302 note).

4 (f) RULE OF CONSTRUCTION.—Nothing in this sec-
5 tion shall be construed to prohibit the Secretary from en-
6 tering into a contract with a covered contractor to provide
7 a service that connects to the facilities of a third party,
8 such as backhaul, roaming, or interconnection arrange-
9 ments.

10 (g) REPORT TO CONGRESS.—Not later than 180 days
11 after completing the assessment required under subsection
12 (a), the Secretary shall submit to the congressional de-
13 fense committees a report on the results of the assessment
14 and the actions taken following the assessment pursuant
15 to subsection (c).

16 (h) DEFINITIONS.—In this section:

17 (1) COVERED EQUIPMENT AND SERVICES.—The
18 term “covered equipment and services” means tele-
19 communications equipment, telecommunications
20 services, video surveillance equipment, and video sur-
21 veillance services manufactured or controlled by an
22 entity for which the principal place of business of
23 such entity is located in foreign country that is an
24 adversary of the United States, but does not include
25 telecommunications equipment or video surveillance

1 equipment (other than optical transmission compo-
2 nents) that cannot route or redirect user data traffic
3 or permit visibility into any user data or packets
4 that such equipment transmits or otherwise handles.

5 (2) COVERED CONTRACTOR.—The term “cov-
6 ered contractor” means a contractor or subcon-
7 tractor (at any tier) that supplies covered equipment
8 and services to the Department of Defense.

9 (3) EXECUTIVE AGENCY.—The term “executive
10 agency” has the meaning given in section 133 of
11 title 41, United States Code.

12 (4) SECRETARY.—The term “Secretary” means
13 the Secretary of Defense.

14 (5) SUSPECT COVERED EQUIPMENT AND SERV-
15 ICES.—The term “suspect covered equipment and
16 services” means covered equipment and services that
17 is from any source, or that is a covered article, sub-
18 ject to an exclusion order or removal order under
19 section 1323(c) of title 41, United States Code.

20 **SEC. 852. ASSURED SECURITY AGAINST INTRUSION ON**
21 **UNITED STATES MILITARY NETWORKS.**

22 (a) PROHIBITION.—Except as provided in subsections
23 (b) and (c), the Secretary of Defense shall only award con-
24 tracts for the procurement of telecommunications services
25 or the installation of telecommunications infrastructure on

1 national security installations on territories of the United
2 States located in the Pacific Ocean to allowed contractors.

3 (b) EXCEPTION.—Subsection (a) shall not apply to
4 contracts the procurement of telecommunications services
5 or the installation of telecommunications infrastructure if
6 such telecommunications services or telecommunications
7 infrastructure does not process or carry any information
8 about the operations of the Armed Forces of the United
9 States or otherwise concern the national security of the
10 United States.

11 (c) WAIVER.—The Secretary of Defense may waive
12 the restriction of subsection (a) upon a written determina-
13 tion that such a waiver is in the national security interests
14 of the United States and either—

15 (1) a contractor that is not an allowed con-
16 tractor would not have the ability to track, record,
17 listen, or otherwise access data or voice communica-
18 tions of the Department of Defense through the pro-
19 vision of the telecommunications service; or

20 (2) a qualified allowed contractor is not avail-
21 able to perform the contract at a fair and reasonable
22 price.

23 (d) DEFINITIONS.—In this section:

24 (1) ALLOWED CONTRACTOR.—The term “al-
25 lowed contractor” means—

1 (A) an entity that is 100 percent owned by
2 persons located in the United States that has
3 submitted an offer for a contract let by the De-
4 partment of Defense; or

5 (B) an entity that—

6 (i) is 100 percent owned by persons
7 located in the United States or in a cov-
8 ered foreign country that has submitted an
9 offer for a contract let by the Department
10 of Defense; and

11 (ii) does not have significant connec-
12 tions, including major equipment pur-
13 chases, ownership interests, or joint ven-
14 tures, with any entity identified in sub-
15 section (f)(3) of section 889 of the John S.
16 McCain National Defense Authorization
17 Act for Fiscal Year 2019 (Pub. L. 115-
18 232; 132 Stat. 1918; 41 U.S.C. 3901 note)

19 (2) COVERED FOREIGN COUNTRY.—The term
20 “covered foreign country” means a foreign country
21 the government of which permits allowed contractors
22 to compete on a fair basis for contracts for the pro-
23 curement of telecommunications services or the in-
24 stallation of telecommunications infrastructure let by
25 the government of such foreign country.

1 (3) NATIONAL SECURITY INSTALLATION.—The
2 term “national security installation” means any fa-
3 cility operated by the Department of Defense.

4 (4) TELECOMMUNICATIONS SERVICE.—The
5 term “telecommunications service” has the meaning
6 given in section 3 of the Communications Act of
7 1934 (47 U.S.C. 153).

8 (5) TELECOMMUNICATIONS INFRASTRUC-
9 TURE.—The term “telecommunications infrastruc-
10 ture” means any wire or switching facilities used to
11 provide telecommunications services.

12 **SEC. 853. REVISED AUTHORITIES TO DEFEAT ADVERSARY**
13 **EFFORTS TO COMPROMISE UNITED STATES**
14 **DEFENSE CAPABILITIES.**

15 (a) SENSE OF CONGRESS.—Congress finds that to
16 comprehensively address the supply chain vulnerabilities
17 of the Department of Defense, defense contractors must
18 be incentivized to prioritize security in a manner which
19 exceeds basic compliance with mitigation practices relating
20 to cybersecurity risk and supply chain security standards.
21 Defense contractors can no longer pass unknown risks on
22 to the Department of Defense but should be provided with
23 the tools to meet the needs of the Department with respect
24 to cybersecurity risk and supply chain security. Incentives
25 for defense contractors will help stimulate efforts within

1 the defense industrial base to minimize vulnerabilities in
2 hardware, software, and supply chain services. The De-
3 partment of Defense must develop policies and regulations
4 that move security from a cost that defense contractors
5 seek to minimize to a key consideration in the award of
6 contracts, equal in importance to cost, schedule, and per-
7 formance.

8 (b) INCLUSION OF SECURITY AS PRIMARY PURPOSE
9 FOR THE DEPARTMENT OF DEFENSE ACQUISITION.—

10 (1) IN GENERAL.—Not later than 180 days
11 after the date of the enactment of this Act, the Sec-
12 retary of Defense shall the revise the statement of
13 purpose in the Defense Federal Acquisition Regula-
14 tion Supplement added by section 801(3) of the Na-
15 tional Defense Authorization Act for Fiscal Year
16 2018 (Public Law 115–91; 131 Stat. 1449; U.S.C.
17 2302 note) to include the security of goods acquired
18 by the Department of Defense as one of the primary
19 objectives of Department of Defense acquisition. The
20 Secretary shall revise applicable Department of De-
21 fense Instructions, regulations, and directives to im-
22 plement the inclusion of security as a primary pur-
23 pose of Department of Defense acquisition.

1 (2) CONGRESSIONAL NOTIFICATION.—The Sec-
2 retary shall submit to the congressional defense com-
3 mittees—

4 (A) not later than 60 days before issuing
5 the revisions described in paragraph (1), the
6 proposed revisions; and

7 (B) not later than 180 days after the date
8 of the enactment of this Act, recommendations
9 for legislative action to implement the revisions
10 described in this subsection.

11 (c) CERTIFICATION OF RISK.—

12 (1) IN GENERAL.—Before making a milestone
13 decision with respect to a major defense acquisition
14 program (as defined under section 2430 of title 10,
15 United States Code), a major automated information
16 system, or major system (as defined under section
17 2302d of title 10, United States Code), the vice
18 chief of the Armed Force concerned shall issue a
19 written assessment to the Vice Chief of the Joint
20 Chiefs of Staff and the head of the Defense Acquisi-
21 tion Board stating the determination made by the
22 vice chief of the armed force concerned of the risk
23 to the supply chain associated with the procurement.
24 Such assessment shall include—

1 (A) a description of actions taken to miti-
2 gate potential vulnerabilities associated with the
3 procurement; and

4 (B) a certification from the Secretary of
5 the military department concerned or the Vice
6 Chief of the Joint Chief of Staff (as appro-
7 priate) that the procurement will not interfere
8 with the operations of the military department
9 conducting the procurement.

10 (2) AVAILABILITY TO THE CONGRESSIONAL DE-
11 FENSE COMMITTEES.—Upon request, the vice chief
12 of the Armed Force concerned shall make available
13 to the congressional defense committees a certifi-
14 cation required under paragraph (1), along with the
15 data on which such certification is based, not later
16 than 15 days after the submission of a request.

17 (d) DISPUTES RELATING TO ACQUISITIONS DECI-
18 SIONS.—The Under Secretary of Defense for Intelligence,
19 the Vice Chairman of the Joint Chiefs of Staff, the Vice
20 Chief of Staff of the Army, the Vice Chief of Naval Oper-
21 ations, the Vice Chief of Staff of the Air Force, and the
22 Assistant Commandant of the Marine Corps shall each
23 have the authority to submit to the Secretary of Defense
24 a written statement of dispute relating to a decision made
25 by the Defense Acquisition Board with respect to an ac-

1 quision. A dispute submitted under this subsection shall
2 include any reason why the decision fails to effectively ad-
3 dress concerns regarding the item to be acquired.

4 **SEC. 854. PROHIBITION ON OPERATION OR PROCUREMENT**
5 **OF FOREIGN-MADE UNMANNED AIRCRAFT**
6 **SYSTEMS.**

7 (a) PROHIBITION ON AGENCY OPERATION OR PRO-
8 CUREMENT.—The Secretary of Defense may not operate
9 or enter into or renew a contract for the procurement of—

10 (1) a covered unmanned aircraft system that—

11 (A) is manufactured in a covered foreign
12 country or by an entity domiciled in a covered
13 foreign country;

14 (B) uses flight controllers, radios, data
15 transmission devices, cameras, or gimbals man-
16 ufactured in a covered foreign country or by an
17 entity domiciled in a covered foreign country;

18 (C) uses a ground control system or oper-
19 ating software developed in a covered foreign
20 country or by an entity domiciled in a covered
21 foreign country; or

22 (D) uses network connectivity or data stor-
23 age located in or administered by an entity
24 domiciled in a covered foreign country; or

1 (2) a system manufactured in a covered foreign
2 country or by an entity domiciled in a covered for-
3 eign country for the detection or identification of
4 covered unmanned aircraft systems.

5 (b) EXEMPTION.—The Secretary of Defense is ex-
6 empt from the restriction under subsection (a) if the oper-
7 ation or procurement is for the purposes of—

8 (1) Counter-UAS surrogate testing and train-
9 ing; or

10 (2) intelligence, electronic warfare, and infor-
11 mation warfare operations, testing, analysis, and
12 training.

13 (c) WAIVER.—The Secretary of Defense may waive
14 the restriction under subsection (a) on a case by case basis
15 by certifying in writing to the congressional defense com-
16 mittees that the operation or procurement is required in
17 the national interest of the United States.

18 (d) DEFINITIONS.—In this section:

19 (1) COVERED FOREIGN COUNTRY.—The term
20 “covered foreign country” means a country labeled
21 as a strategic competitor in the “Summary of the
22 2018 National Defense Strategy of the United
23 States of America: Sharpening the American Mili-
24 tary’s Competitive Edge” issued by the Department

1 of Defense pursuant to section 113 of title 10,
2 United States Code.

3 (2) COVERED UNMANNED AIRCRAFT SYSTEM.—

4 The term “covered unmanned aircraft system”
5 means an unmanned aircraft system and any related
6 services and equipment.

7 **SEC. 855. SUPPLY CHAIN RISK MITIGATION POLICIES TO BE**
8 **IMPLEMENTED THROUGH REQUIREMENTS**
9 **GENERATION PROCESS.**

10 (a) PROCESS FOR ENHANCED SUPPLY CHAIN SCRU-
11 TINY.—Section 807(b) of the National Defense Authoriza-
12 tion Act for Fiscal Year 2018 (Public Law 115–91; 131
13 Stat. 1456; 10 U.S.C. 2302 note) is amended—

14 (1) by redesignating paragraphs (5) through
15 (9) as paragraphs (6) through (10), respectively;
16 and

17 (2) by inserting after paragraph (4) the fol-
18 lowing new paragraph:

19 “(5) Development of tools for implementing
20 supply chain risk management policies during the
21 generation of requirements for a contract.”.

22 (b) TECHNICAL AMENDMENT.—Subsection (a) of
23 such section is amended by striking “Not later than” and
24 all that follows through “the Secretary” and inserting
25 “The Secretary”.

1 (c) EFFECTIVE DATE.—Not later than 90 days after
2 the date of the enactment of this Act, the Secretary of
3 Defense shall revise the process established under section
4 807 of the National Defense Authorization Act for Fiscal
5 Year 2018 (Public Law 115–91; 10 U.S.C. 2302 note) to
6 carry out the requirements of this section.

7 **Subtitle E—Provisions Relating to**
8 **the Acquisition System**

9 **SEC. 861. MODIFICATIONS TO THE DEFENSE ACQUISITION**
10 **SYSTEM.**

11 (a) GUIDANCE, REPORTS, AND LIMITATION ON THE
12 AVAILABILITY OF FUNDS RELATING TO COVERED DE-
13 FENSE BUSINESS SYSTEMS.—

14 (1) AMENDMENTS TO GUIDANCE FOR COVERED
15 DEFENSE BUSINESS SYSTEMS.—Section 2222(d) of
16 title 10, United States Code, is amended—

17 (A) in the matter preceding paragraph (1),
18 by striking “subsection (c)(1)” and inserting
19 “subsection (c)”; and

20 (B) by adding at the end the following new
21 paragraphs:

22 “(7) Policy to ensure a covered defense business
23 system is in compliance with the Department’s
24 auditability requirements.

1 “(8) Policy to ensure approvals required for the
2 development of a covered defense business system.”.

3 (2) REPORTS.—

4 (A) GUIDANCE.—The Secretary of Defense
5 shall submit to the congressional defense com-
6 mittees (as defined in section 101(a)(16) of title
7 10, United States Code) a report—

8 (i) not later than December 31, 2019,
9 that includes the guidance required under
10 paragraph (1) of section 2222(c) of title
11 10, United States Code; and

12 (ii) not later than March 31, 2020,
13 that includes the guidance required under
14 paragraph (2) of such section.

15 (B) INFORMATION TECHNOLOGY ENTER-
16 PRISE ARCHITECTURE.—Not later than Decem-
17 ber 31, 2019, the Chief Information Officer of
18 the Department of Defense shall submit to the
19 congressional defense committees the informa-
20 tion technology enterprise architecture devel-
21 oped under section 2222(e)(4)(B) of title 10,
22 United States Code, which shall include the
23 plan for improving the information technology
24 and computing infrastructure described in such

1 section and a schedule for implementing the
2 plan.

3 (C) DEFENSE BUSINESS ENTERPRISE AR-
4 CHITECTURE.—Not later than March 31, 2020,
5 the Chief Management Officer of the Depart-
6 ment of Defense and the Chief Information Of-
7 ficer of the Department of Defense shall jointly
8 submit to the congressional defense committees
9 a plan and schedule for integrating the defense
10 business enterprise architecture developed
11 under subsection (e) of section 2222 of title 10,
12 United States Code, into the information tech-
13 nology enterprise architecture, as required
14 under paragraph (4)(A) of such subsection.

15 (3) LIMITATION.—

16 (A) Of the funds authorized to be appro-
17 priated by this Act or otherwise made available
18 for fiscal year 2020 for the Department of De-
19 fense, not more than 75 percent may be obli-
20 gated or expended for the Office of the Sec-
21 retary of Defense after December 31, 2019,
22 until the date on which the Secretary of De-
23 fense submits the report required under sub-
24 section (b)(1)(A).

1 (B) Of the funds authorized to be appro-
2 priated by this Act or otherwise made available
3 for fiscal year 2020 for the Department of De-
4 fense, not more than 75 percent may be obli-
5 gated or expended for the Office of the Deputy
6 Chief Management Officer, the Office of the
7 Under Secretary of Defense for Acquisition and
8 Sustainment, the Office of the Chief Informa-
9 tion Officer, and the Office of the Chief Man-
10 agement Officer after March 31, 2020, until the
11 date on which the Secretary of Defense submits
12 the report required under subsection (b)(1)(B).

13 (C) Of the funds authorized to be appro-
14 priated by this Act or otherwise made available
15 for fiscal year 2020 for the Department of De-
16 fense, not more than 75 percent may be obli-
17 gated or expended for the Office of the Chief
18 Information Officer after December 31, 2019,
19 until the date on which the Secretary of De-
20 fense submits the report required under sub-
21 section (b)(2).

22 (D) Of the funds authorized to be appro-
23 priated by this Act or otherwise made available
24 for fiscal year 2020 for the Department of De-
25 fense, not more than 75 percent may be obli-

1 gated or expended for the Office of the Chief
2 Management Officer and the Office of the Chief
3 Information Officer after March 31, 2020, until
4 the date on which the Secretary of Defense sub-
5 mits the report required under subsection
6 (b)(3).

7 (b) PILOT PROGRAM ON DATA RIGHTS AS AN EVAL-
8 UATION FACTOR.—

9 (1) PILOT PROGRAM.—Not later than February
10 1, 2020, the Secretary of Defense and the Secre-
11 taries of the military departments shall jointly carry
12 out a pilot program to assess mechanisms to evalu-
13 ate intellectual property to include technical data
14 deliverables, associated license rights, and commer-
15 cially available intellectual property valuation anal-
16 ysis and techniques in major defense acquisition pro-
17 grams (as defined in section 2430 of title 10, United
18 States Code) selected pursuant to subsection (b) to
19 ensure—

20 (A) the development of cost-effective intel-
21 lectual property strategies; and

22 (B) assessment and management of the
23 value and costs of intellectual property during
24 acquisition and sustainment activities through-

1 out the life cycle of a weapon system for each
2 selected major defense acquisition program.

3 (2) SELECTION OF MAJOR DEFENSE ACQUISITION PROGRAMS.—Each Secretary of a military department shall select one major defense acquisition
4 program for which such Secretary has responsibility
5 to include in the pilot program established under
6 subsection (a).
7

8
9 (3) CADRE OF INTELLECTUAL PROPERTY EXPERTS.—At Milestone A and Milestone B for each
10 major defense acquisition program selected pursuant
11 to subsection (b), the cadre of intellectual property
12 experts established under section 2322(b) of title 10,
13 United States Code, shall identify, to the maximum
14 extent practicable, intellectual property evaluation
15 techniques to obtain quantitative and qualitative
16 analysis related to the value of intellectual property
17 rights during the procurement, production, deployment,
18 operations, and support phases of the acquisition
19 of each such major defense acquisition program.
20

21 (4) ACTIVITIES.—The pilot program established
22 under this section shall include the following:

23 (A) Assessment of commercial valuation
24 techniques for intellectual property rights for
25 use by the Department of Defense.

1 (B) Assessment of feasibility of oversight
2 by the Secretary of Defense to standardize
3 practices and procedures.

4 (C) Assessment of contracting mechanisms
5 to increase the speed of delivery of intellectual
6 property to the Armed Forces or to reduce
7 sustainment costs.

8 (D) Assessment of acquisition planning
9 necessary to ensure procurement of intellectual
10 property deliverables and intellectual property
11 rights necessary for Government-planned
12 sustainment activities.

13 (E) Engagement with private-sector enti-
14 ties to—

15 (i) support the development of strate-
16 gies and program requirements to aid in
17 acquisition and transition planning for in-
18 tellectual property;

19 (ii) support the development and im-
20 provement of intellectual property strate-
21 gies as part of life-cycle sustainment plans
22 and valuation techniques for the costs of
23 intellectual property rights as part of life-
24 cycle costs; and

1 (iii) propose and implement alter-
2 native and innovative methods of intellec-
3 tual property valuation, prioritization, and
4 evaluation techniques for intellectual prop-
5 erty.

6 (F) Recommendations to the program
7 manager for a major defense acquisition pro-
8 gram selected pursuant to subsection (b) such
9 evaluation techniques and contracting mecha-
10 nisms for implementation into the acquisition
11 and sustainment activities of that major defense
12 acquisition program.

13 (5) ASSESSMENT.—Not later than February 1,
14 2021, and annually thereafter until the termination
15 date of the pilot program, the Secretary of Defense
16 shall submit to the congressional defense committees
17 a report on the pilot program established under sub-
18 section (a). The report shall include—

19 (A) a description of the major defense ac-
20 quisition programs selected pursuant to sub-
21 section (b);

22 (B) a description of the specific activities
23 in subsection (d) that were performed with re-
24 spect to each major defense acquisition program
25 selected pursuant to subsection (b);

1 (C) an assessment of the effectiveness of
2 such activities;

3 (D) an assessment of improvements to ac-
4 quisition or sustainment activities related to the
5 pilot program; and

6 (E) an assessment of cost savings from the
7 activities related to the pilot program, including
8 any improvement to mission success during the
9 operations and support phase of a major de-
10 fense acquisition program selected pursuant to
11 subsection (b).

12 (6) TERMINATION.—The authority to carry out
13 the pilot program under this section shall expire on
14 September 30, 2026.

15 (c) REPORT AND LIMITATION ON AVAILABILITY OF
16 FUNDS RELATING TO MODULAR OPEN SYSTEM AP-
17 PROACH FOR MAJOR DEFENSE ACQUISITION PRO-
18 GRAMS.—

19 (1) STUDY GUIDANCE FOR ANALYSES OF AL-
20 TERNATIVES FOR MAJOR DEFENSE ACQUISITION
21 PROGRAMS.—

22 (A) REPORT.—Not later than December
23 31, 2019, the Secretary of Defense, acting
24 through the Director of Cost Assessment and
25 Performance Evaluation, shall submit to the

1 congressional defense committees a report that
2 includes the study guidance required under sec-
3 tion 2446b(b) of title 10, United States Code.

4 (B) LIMITATION.—Of the funds authorized
5 to be appropriated by this Act or otherwise
6 made available for fiscal year 2020 for the De-
7 partment of Defense, not more than 75 percent
8 may be obligated or expended for the Office of
9 the Director of Cost Assessment and Perform-
10 ance Evaluation after December 31, 2019, until
11 the date on which the Secretary of Defense sub-
12 mits the report required under paragraph (1).

13 (2) POLICY RELATING TO AVAILABILITY OF
14 MAJOR SYSTEM INTERFACES AND SUPPORT FOR
15 MODULAR OPEN SYSTEM APPROACH.—

16 (A) IN GENERAL.—Section 2446c of title
17 10, United States Code, is amended—

18 (i) in the matter preceding paragraph
19 (1), by striking “shall—” and inserting
20 “develop policy on the support for the ac-
21 quisition for modular open system ap-
22 proaches. This policy shall—”; and

23 (ii) in subsection (a)(1), as so des-
24 ignated, by striking “coordinate” and in-
25 serting “ensure coordination”.

1 (B) REPORT.—Not later than December
2 31, 2019, the Secretary of each military depart-
3 ment shall submit to the congressional defense
4 committees a report that includes the policy re-
5 quired under section 2446c of title 10, United
6 States Code, as amended by paragraph (1).

7 (C) LIMITATION.—Beginning on January
8 1, 2020, if any report required under paragraph
9 (2) has not been submitted to the congressional
10 defense committees, not more than 75 percent
11 of the funds specified in paragraph (4) may be
12 obligated or expended until the date on which
13 all of the reports required under paragraph (2)
14 have been submitted.

15 (D) FUNDS SPECIFIED.—The funds speci-
16 fied in this paragraph are funds made available
17 for fiscal year 2020 for the Department of De-
18 fense for any of the Offices of the Secretaries
19 of the military departments that remain unobli-
20 gated as of January 1, 2020.

21 (d) REPORT ON INTELLECTUAL PROPERTY POLICY
22 AND THE CADRE OF INTELLECTUAL PROPERTY EX-
23 PERTS.—

24 (1) IN GENERAL.—Section 802 of the National
25 Defense Authorization Act for Fiscal Year 2018

1 (Public Law 115–91; 131 Stat. 1450) is amended by
2 adding at the end the following new subsection:

3 “(c) REPORT.—Not later than October 1, 2019, the
4 Secretary of Defense, acting through the Under Secretary
5 of Defense for Acquisition and Sustainment, shall submit
6 to the congressional defense committees a report that in-
7 cludes—

8 “(1) the policy required in subsection (a) of sec-
9 tion 2322 of title 10, United States Code;

10 “(2) an identification of each member of the
11 cadre of intellectual property experts required in
12 subsection (b) of such section and the office to which
13 such member; and

14 “(3) a description of the leadership structure
15 and the office that will manage the cadre of intellec-
16 tual property experts.”.

17 (2) LIMITATION.—Of the funds authorized to
18 be appropriated by this Act or otherwise made avail-
19 able for fiscal year 2020 for the Department of De-
20 fense, not more than 75 percent may be obligated or
21 expended for the Defense Acquisition Workforce De-
22 velopment Fund until the date on which the Sec-
23 retary of Defense submits the report required under
24 subsection (c) of section 802 of the National De-
25 fense Authorization Act for Fiscal Year 2018 (Pub-

1 lic Law 115–91; 131 Stat. 1450), as added by this
2 section.

3 (e) LIMITATION ON AVAILABILITY OF FUNDS FOR
4 THE OFFICE OF THE CHIEF MANAGEMENT OFFICER OF
5 THE DEPARTMENT OF DEFENSE.—Of the funds author-
6 ized to be appropriated or otherwise made available for
7 fiscal year 2020 for the Department of Defense, not more
8 than 75 percent may be obligated or expended for the Of-
9 fice of the Chief Management Officer until the date on
10 which the Chief Management Officer submits to the con-
11 gressional defense committees—

12 (1) the certification of cost savings described in
13 subparagraph (A) of section 921(b)(5) of the Na-
14 tional Defense Authorization Act for Fiscal Year
15 2019 (Public Law 115–232; 10 U.S.C. 2222 note);
16 or

17 (2) the notice and justification described in sub-
18 paragraph (B) of such section.

19 (f) REPORT AND LIMITATION ON THE AVAILABILITY
20 OF FUNDS RELATING TO THE “MIDDLE TIER” OF ACQUI-
21 SITION PROGRAMS.—

22 (1) REPORT.—Not later than December 15,
23 2019, the Under Secretary of Defense for Acquisi-
24 tion and Sustainment shall submit to the congress-
25 sional defense committees a report that includes the

1 guidance required under section 804(a) of the Na-
2 tional Defense Authorization Act for Fiscal Year
3 2016 (Public Law 114–92; 10 U.S.C. 2302 note).
4 The Under Secretary of Defense for Acquisition and
5 Sustainment will ensure such guidance includes the
6 business case elements required by an acquisition
7 program established pursuant to such guidance and
8 the metrics required to assess the performance of
9 such a program.

10 (2) LIMITATION.—Of the funds authorized to
11 be appropriated by this Act or otherwise made avail-
12 able for fiscal year 2020 for the Department of De-
13 fense, not more than 75 percent may be obligated or
14 expended for an acquisition program established
15 pursuant to the guidance required under section
16 804(a) of the National Defense Authorization Act
17 for Fiscal Year 2016 (Public Law 114–92; 10
18 U.S.C. 2302 note) after December 15, 2019, and no
19 such acquisition program may be conducted under
20 the authority provided by such section after Decem-
21 ber 15, 2019, until the Under Secretary of Defense
22 for Acquisition and Sustainment submits the report
23 required under subsection (a).

24 (g) DEFENSE ACQUISITION WORKFORCE CERTIFI-
25 CATION AND EDUCATION REQUIREMENTS.—

1 (1) PROFESSIONAL CERTIFICATION REQUIRE-
2 MENT.—

3 (A) PROFESSIONAL CERTIFICATION RE-
4 QUIRED FOR ALL ACQUISITION WORKFORCE
5 PERSONNEL.—Section 1701a of title 10, United
6 States Code, is amended—

7 (i) by redesignating subsections (c)
8 and (d) as subsections (d) and (e), respec-
9 tively; and

10 (ii) by inserting after subsection (b)
11 the following new subsection (c):

12 “(c) PROFESSIONAL CERTIFICATION.—

13 “(1) The Secretary of Defense shall implement
14 a certification program to provide for a professional
15 certification requirement for all members of the ac-
16 quisition workforce. Except as provided in paragraph
17 (2), the certification requirement for any acquisition
18 workforce career field shall be based on standards
19 under a third-party accredited program based on na-
20 tionally or internationally recognized standards.

21 “(2) If the Secretary determines that, for a
22 particular acquisition workforce career field, a third-
23 party accredited program based on nationally or
24 internationally recognized standards does not exist,
25 the Secretary shall establish the certification require-

1 ment for that career field that conforms with the
2 practices of national or international accrediting
3 bodies. The certification requirement for any such
4 career field shall be implemented using the best ap-
5 proach determined by the Secretary for meeting the
6 certification requirement for that career field, in-
7 cluding implementation through entities outside the
8 Department of Defense and may be designed and
9 implemented without regard to section 1746 of this
10 title.”.

11 (B) PERFORMANCE MANAGEMENT.—Sub-
12 section (b) of such section is amended—

13 (i) in paragraph (5), by striking “en-
14 courage” and inserting “direct”; and

15 (ii) in paragraph (6), by inserting
16 “and consequences” after “warnings”.

17 (C) PARTICIPATION IN PROFESSIONAL AS-
18 SOCIATIONS.—Subsection (b) of such section is
19 further amended—

20 (i) by redesignating paragraphs (6),
21 (7), (8), and (9) as paragraphs (7), (8),
22 (9), and (10), respectively; and

23 (ii) by inserting after paragraph (5)
24 the following new paragraph (6):

1 “(6) authorize members of the acquisition work-
2 force to participate in professional associations, con-
3 sistent with their individual performance plans,
4 linked to both professional development and opportu-
5 nities to gain leadership and management skills;”.

6 (D) GENERAL EDUCATION, TRAINING, AND
7 EXPERIENCE REQUIREMENTS.—Section 1723 of
8 such title is amended—

9 (i) in subsection (a)(3), by striking
10 the second sentence; and

11 (ii) in subsection (b)(1), by striking
12 “encourage” and inserting “require”.

13 (E) EFFECTIVE DATE.—The Secretary of
14 Defense shall implement procedures to institute
15 the program required by subsection (c) of sec-
16 tion 1701a of title 10, United States Code, as
17 added by paragraph (1), not later than 180
18 days after the date of the enactment of this
19 Act.

20 (2) ELIMINATION OF STATUTORY REQUIRE-
21 MENT FOR COMPLETION OF 24 SEMESTER CREDIT
22 HOURS.—

23 (A) QUALIFICATION REQUIREMENTS FOR
24 CONTRACTING POSITIONS.—Section 1724 of
25 title 10, United States Code, is amended—

1 (i) in subsection (a)(3)—

2 (I) by striking “(A)” after “(3)”;

3 and

4 (II) by striking “, and (B)” and

5 all that follows through “and manage-

6 ment”; and

7 (ii) in subsection (b), by striking “re-

8 quirements” in the first sentences of para-

9 graphs (1) and (2) and inserting “require-

10 ment”;

11 (iii) in subsection (e)(2)—

12 (I) by striking “shall have—”

13 and all that follows through “been

14 awarded” and inserting “shall have

15 been awarded”;

16 (II) by striking “; or” and insert-

17 ing a period; and

18 (III) by striking subparagraph

19 (B); and

20 (iv) in subsection (f), by striking “,

21 including—” and all that follows and in-

22 serting a period.

23 (B) SELECTION CRITERIA AND PROCE-

24 DURES.—Section 1732 of such title is amend-

25 ed—

1 (i) in subsection (b)(1)—

2 (I) by striking “Such require-
3 ments,” and all the follows through
4 “the person—” and inserting “Such
5 requirements shall include a require-
6 ment that the person—”;

7 (II) by striking subparagraph
8 (B); and

9 (III) by redesignating clauses (i)
10 and (ii) as subparagraphs (A) and
11 (B), respectively, and realigning those
12 subparagraphs so as to be 4 ems from
13 the margin; and

14 (ii) in subsection (c), by striking “re-
15 quirements of subsections (b)(1)(A) and
16 (b)(1)(B)” in paragraphs (1) and (2) and
17 inserting “requirement of subsection
18 (b)(1)”.

19 (3) DEFENSE ACQUISITION UNIVERSITY.—Sec-
20 tion 1746 of title 10, United States Code, is amend-
21 ed—

22 (A) in subsection (b)(1), by adding at the
23 end the following new sentence: “At least 25
24 percent of such civilian instructors shall be vis-

1 iting professors from civilian colleges or univer-
2 sities.”; and

3 (B) in subsection (c), by inserting “, and
4 with commercial training providers,” after
5 “military departments”.

6 (h) ENHANCING DEFENSE ACQUISITION WORK-
7 FORCE CAREER FIELDS.—

8 (1) CAREER PATHS.—

9 (A) CAREER PATH REQUIRED FOR EACH
10 ACQUISITION WORKFORCE CAREER FIELD.—

11 Paragraph (4) of section 1701a(b) of title 10,
12 United States Code, is amended to read as fol-
13 lows:

14 “(4) develop and implement a career path, as
15 described in section 1722(a) of this title, for each
16 career field designated by the Secretary under sec-
17 tion 1721(a) of this title as an acquisition workforce
18 career field;”.

19 (B) CONFORMING AMENDMENTS.—Section
20 1722(a) of such title is amended—

21 (i) by striking “appropriate career
22 paths” and inserting “an appropriate ca-
23 reer path”; and

1 (ii) by striking “are identified” and
2 inserting “is identified for each acquisition
3 workforce career field”.

4 (C) DEADLINE FOR IMPLEMENTATION OF
5 CAREER PATHS.—The implementation of a ca-
6 reer path for each acquisition workforce career
7 field required by paragraph (4) of section
8 1701a(b) of title 10, United States Code (as
9 amended by paragraph (1)), shall be completed
10 by the Secretary of Defense not later than the
11 end of the two-year period beginning on the
12 date of the enactment of this Act.

13 (2) CAREER FIELDS.—

14 (A) DESIGNATION OF ACQUISITION WORK-
15 FORCE CAREER FIELDS.—Section 1721(a) of
16 such title is amended by adding at the end the
17 following new sentence: “The Secretary shall
18 also designate in regulations those career fields
19 in the Department of Defense that are acquisi-
20 tion workforce career fields for purposes of this
21 chapter.”.

22 (B) CLERICAL AMENDMENTS.—(i) The
23 heading of such section is amended to read as
24 follows:

1 **“§ 1721. Designation of acquisition positions and ac-**
2 **quisition workforce career fields”.**

3 (ii) The item relating to such section
4 in the table of sections at the beginning of
5 subchapter II of chapter 87 of such title is
6 amended to read as follows:

“1721. Designation of acquisition positions and acquisition workforce career fields.”.

7 (C)(i) The heading of subchapter II of
8 chapter 87 of such title is amended to read as
9 follows:

“SUBCHAPTER II—ACQUISITION POSITIONS AND ACQUISITION WORKFORCE CAREER FIELDS”.

10 (ii) The item relating to such subchapter
11 in the table of subchapters at the beginning of
12 such chapter is amended to read as follows:

“II. Acquisition Positions And Acquisition Workforce Career Fields 1721”.

13 (D) DEADLINE FOR DESIGNATION OF CA-
14 REER FIELDS.—The designation of acquisition
15 workforce career fields required by the second
16 sentence of section 1721(a) of title 10, United
17 States Code (as added by paragraph (1)), shall
18 be made by the Secretary of Defense not later
19 than the end of the six-month period beginning
20 on the date of the enactment of this Act.

21 (3) KEY WORK EXPERIENCES.—

1 (A) DEVELOPMENT OF KEY WORK EXPERI-
2 ENCES FOR EACH ACQUISITION WORKFORCE CA-
3 REER FIELD.—Section 1722b of such title is
4 amended by adding at the end the following
5 new subsection:

6 “(c) KEY WORK EXPERIENCES.—In carrying out
7 subsection (b)(2), the Secretary shall ensure that key work
8 experiences, in the form of multidiscipline training, are de-
9 veloped for each acquisition workforce career field.”.

10 (B) PLAN FOR IMPLEMENTATION OF KEY
11 WORK EXPERIENCES.—Not later than one year
12 after the date of the enactment of this Act, the
13 Secretary of Defense shall submit to the con-
14 gressional defense committees a plan identifying
15 the specific actions the Department of Defense
16 has taken, and is planning to take, to develop
17 and establish key work experiences for each ac-
18 quisition workforce career field as required by
19 subsection (c) of section 1722b of title 10,
20 United States Code, as added by paragraph (1).
21 The plan shall include specification of the per-
22 centage of the acquisition workforce, or funds
23 available for administration of the acquisition
24 workforce on an annual basis, that the Sec-

1 retary will dedicate towards developing such key
2 work experiences.

3 (4) APPLICABILITY OF CAREER PATH REQUIRE-
4 MENTS TO ALL MEMBERS OF ACQUISITION WORK-
5 FORCE.—Section 1723(b) of such title is amended
6 by striking “the critical acquisition-related”.

7 (5) COMPETENCY DEVELOPMENT.—

8 (A) IN GENERAL.—(i) Subchapter V of
9 chapter 87 of such title is amended by adding
10 at the end the following new section:

11 **“§ 1765. Competency development**

12 “(a) IN GENERAL.—For each acquisition workforce
13 career field, the Secretary of Defense shall establish, for
14 the civilian personnel in that career field, defined pro-
15 ficiency standards and technical and nontechnical com-
16 petencies which shall be used in personnel qualification as-
17 sessments.

18 “(b) NEGOTIATIONS.—Any action taken by the Sec-
19 retary under this section, or to implement this section,
20 shall not be subject to the requirements of chapter 71 of
21 title 5.”.

22 (ii) The table of sections at the begin-
23 ning of such subchapter II is amended by
24 adding at the end the following new item:

“1765. Competency development.”.

1 (B) DEADLINE FOR IMPLEMENTATION.—

2 The establishment of defined proficiency stand-
3 ards and technical and nontechnical com-
4 petencies required by section 1765 of title 10,
5 United States Code (as added by paragraph
6 (1)), shall be made by the Secretary of Defense
7 not later than the end of the two-year period
8 beginning on the date of the enactment of this
9 Act.

10 (6) TERMINATION OF DEFENSE ACQUISITION
11 CORPS.—

12 (A) The Acquisition Corps for the Depart-
13 ment of Defense referred to in section 1731(a)
14 of title 10, United States Code, is terminated.

15 (B) Section 1733 of title 10, United States
16 Code, is amended—

17 (i) by striking subsection (a); and

18 (ii) by redesignating subsection (b) as
19 subsection (a).

20 (C) Subsection (b) of section 1731 of such
21 title is transferred to the end of section 1733
22 of such title, as amended by paragraph (2), and
23 amended—

1 (i) by striking “ACQUISITION CORPS”
2 in the heading and inserting “THE ACQUI-
3 SITION WORKFORCE”; and

4 (ii) by striking “selected for the Ac-
5 quisition Corps” and inserting “in the ac-
6 quisition workforce”.

7 (D) Subsection (e) of section 1732 of such
8 title is transferred to the end of section 1733
9 of such title, as amended by paragraphs (2) and
10 (3), redesignated as subsection (c), and amend-
11 ed—

12 (i) by striking “in the Acquisition
13 Corps” in paragraphs (1) and (2) and in-
14 serting “in critical acquisition positions”;
15 and

16 (ii) by striking “serving in the Corps”
17 in paragraph (2) and inserting “employ-
18 ment”.

19 (E) Sections 1731 and 1732 of such title
20 are repealed.

21 (F)(i) Section 1733 of such title, as
22 amended by paragraphs (2), (3), and (4), is re-
23 designated as section 1731.

24 (ii) The table of sections at the beginning
25 of subchapter III of chapter 87 of such title is

1 amended by striking the items relating to sec-
2 tions 1731, 1732, and 1733 and inserting the
3 following new item:

“1731. Critical acquisition positions.”

4 (G)(i) The heading of subchapter III of
5 chapter 87 of such title is amended to read as
6 follows:

“SUBCHAPTER III—CRITICAL ACQUISITION POSITIONS”.

7 (ii) The item relating to such subchapter
8 in the table of subchapters at the beginning of
9 such chapter is amended to read as follows:

“III. Critical Acquisition Positions 1731”.

10 (H) Section 1723(a)(2) of such title is
11 amended by striking “section 1733 of this title”
12 and inserting “section 1731 of this title”.

13 (I) Section 1725 of such title is amend-
14 ed—

15 (i) in subsection (a)(1), by striking
16 “Defense Acquisition Corps” and inserting
17 “acquisition workforce”; and

18 (ii) in subsection (d)(2), by striking
19 “of the Defense Acquisition Corps” and in-
20 serting “in the acquisition workforce serv-
21 ing in critical acquisition positions”.

22 (J) Section 1734 of such title is amend-
23 ed—

1 (i) by striking “of the Acquisition
2 Corps” in subsections (e)(1) and (h) and
3 inserting “of the acquisition workforce”;
4 and

5 (ii) in subsection (g)—

6 (I) by striking “of the Acquisi-
7 tion Corps” in the first sentence and
8 inserting “of the acquisition work-
9 force”;

10 (II) by striking “of the Corps”
11 and inserting “of the acquisition
12 workforce”; and

13 (III) by striking “of the Acquisi-
14 tion Corps” in the second sentence
15 and inserting “of the acquisition
16 workforce in critical acquisition posi-
17 tions”.

18 (K) Section 1737 of such title is amend-
19 ed—

20 (i) in subsection (a)(1), by striking
21 “of the Acquisition Corps” and inserting
22 “of the acquisition workforce”; and

23 (ii) in subsection (b), by striking “of
24 the Corps” and inserting “of the acquisi-
25 tion workforce”.

1 (L) Section 1742(a)(1) of such title is
2 amended by striking “the Acquisition Corps”
3 and inserting “acquisition positions in the De-
4 partment of Defense”.

5 (M) Section 2228(a)(4) of such title is
6 amended by striking “under section
7 1733(b)(1)(C) of this title” and inserting
8 “under section 1731 of this title”.

9 (N) Section 7016(b)(5)(B) of such title is
10 amended by striking “under section 1733 of
11 this title” and inserting “under section 1731 of
12 this title”.

13 (O) Section 8016(b)(4)(B) of such title is
14 amended by striking “under section 1733 of
15 this title” and inserting “under section 1731 of
16 this title”.

17 (P) Section 9016(b)(4)(B) of such title is
18 amended by striking “under section 1733 of
19 this title” and inserting “under section 1731 of
20 this title”.

21 (Q) Paragraph (1) of section 317 of title
22 37, United States Code, is amended to read as
23 follows:

24 “(1) is a member of the acquisition workforce
25 selected to serve in, or serving in, a critical acquisi-

1 tion position designated under section 1731 of title
2 10.”.

3 (i) ESTABLISHMENT OF DEFENSE CIVILIAN ACQUI-
4 TION TRAINING CORPS.—

5 (1) IN GENERAL.—Part III of subtitle A of title
6 10, United States Code, is amended by inserting
7 after chapter 112 the following new chapter:

8 **“CHAPTER 113—DEFENSE CIVILIAN**
9 **ACQUISITION TRAINING CORPS**

“2200n. Establishment.

“2200o. Program elements.

“2200p. Model authorities.

“2200q. Definitions.

10 **“§ 2200n. Establishment**

11 “For the purposes of preparing selected students for
12 public service in Department of Defense occupations relat-
13 ing to acquisition, science, and engineering, the Secretary
14 of Defense shall establish and maintain a Defense Civilian
15 Acquisition Training Corps program, organized into one
16 or more units, at civilian institutions of higher education
17 offering a program leading to a baccalaureate degree.

18 **“§ 2200o. Program elements**

19 “In establishing the program, the Secretary of De-
20 fense shall determine the following:

21 “(1) Criteria for an institution of higher edu-
22 cation to participate in the program.

1 “(2) The eligibility of a student to join the pro-
2 gram.

3 “(3) Criteria required for a member of the pro-
4 gram to receive financial assistance.

5 “(4) The term of service required for a member
6 of the program to receive financial assistance.

7 “(5) Criteria required for a member of the pro-
8 gram to be released from a term of service.

9 “(6) The method by which a successful grad-
10 uate of the program may gain immediate employ-
11 ment in the Department of Defense.

12 “(7) Resources required for implementation of
13 the program.

14 “(8) A methodology to identify and target crit-
15 ical skills gaps in Department of Defense occupa-
16 tions relating to acquisition, science, and engineer-
17 ing.

18 “(9) A mechanism to track the success of the
19 program in eliminating the identified critical skills
20 gap.

21 **“§ 2200p. Model authorities**

22 “In making determinations under section 2200o of
23 this title, the Secretary of Defense shall use the authori-
24 ties under chapters 103 and 111 of this title as guides.

1 **“§ 2200q. Definitions**

2 “In this chapter:

3 “(1) The term ‘program’ means the Defense Ci-
4 vilian Acquisition Training Corps of the Department
5 of Defense.

6 “(2) The term ‘member of the program’ means
7 a student at an institution of higher learning who is
8 enrolled in the program.

9 “(3) The term ‘institution of higher education’
10 has the meaning given that term in section 101 of
11 the Higher Education Act of 1965 (20 U.S.C.
12 1001).”.

13 (2) IMPLEMENTATION TIMELINE.—

14 (A) INITIAL IMPLEMENTATION.—Not later
15 than December 31, 2019, the Secretary of De-
16 fense shall submit to the congressional defense
17 committees a plan and schedule that imple-
18 ments the program at one institution of higher
19 learning not later than August 1, 2020. The
20 plan shall include recommendations regarding
21 any legislative changes required for effective im-
22 plementation of the program.

23 (B) EXPANSION.—Not later than Decem-
24 ber 31, 2020, the Secretary of Defense shall
25 submit to the congressional defense committees
26 an expansion plan and schedule to expand the

1 program to five locations not later than by Au-
2 gust 1, 2021.

3 (C) FULL IMPLEMENTATION.—Not later
4 than December 31, 2021, the Secretary of De-
5 fense shall submit to the congressional defense
6 committees a full implementation plan and
7 schedule to expand the program to at least 20
8 locations with not fewer than 400 members in
9 the program not later than August 1, 2022.

10 (j) CLARIFYING THE ROLES AND RESPONSIBILITIES
11 OF THE UNDER SECRETARY OF DEFENSE FOR ACQUI-
12 TION AND SUSTAINMENT AND THE UNDER SECRETARY
13 OF DEFENSE FOR RESEARCH AND ENGINEERING.—The
14 laws of the United States are amended as follows:

15 (1) Section 129a(c)(3) of title 10, United
16 States Code, is amended by striking “Under Sec-
17 retary of Defense for Acquisition, Technology, and
18 Logistics” and inserting “Under Secretary of De-
19 fense for Acquisition and Sustainment”.

20 (2) Section 133a(b)(2) of title 10, United
21 States Code, is amended by striking “, including the
22 allocation of resources for defense research and engi-
23 neering,”.

24 (3) Section 134(c) of title 10, United States
25 Code, is amended by striking “Under Secretary of

1 Defense for Acquisition, Technology, and Logistics,”
2 and inserting “Under Secretary of Defense for Ac-
3 quisition and Sustainment, the Under Secretary of
4 Defense for Research and Engineering,”.

5 (4) Section 139(b) of title 10, United States
6 Code, is amended in the matter preceding paragraph
7 (1) by striking “and the Under Secretary of Defense
8 for Acquisition, Technology, and Logistics” and in-
9 serting “, the Under Secretary of Defense for Acqui-
10 sition and Sustainment, and the Under Secretary of
11 Defense for Research and Engineering”.

12 (5) Section 139(b)(2) of title 10, United States
13 Code, is amended by striking “and the Under Sec-
14 retary of Defense for Acquisition, Technology, and
15 Logistics” and inserting “, the Under Secretary of
16 Defense for Acquisition and Sustainment, and the
17 Under Secretary of Defense for Research and Engi-
18 neering,”.

19 (6) Section 139 of title 10, United States Code,
20 is amended in subsections (e) through (h) by strik-
21 ing “Under Secretary of Defense for Acquisition,
22 Technology, and Logistics” each place it appears
23 and inserting “Under Secretary of Defense for Ac-
24 quisition and Sustainment”.

1 (7) Section 139a(d)(6) of title 10, United
2 States Code, is amended by striking “Under Sec-
3 retary of Defense for Acquisition, Technology, and
4 Logistics” and inserting “Under Secretary of De-
5 fense for Acquisition and Sustainment, the Under
6 Secretary of Defense for Research and Engineer-
7 ing.”.

8 (8) Section 171(a) of title 10, United States
9 Code, is amended—

10 (A) in paragraph (3), by striking “Under
11 Secretary of Defense for Acquisition, Tech-
12 nology, and Logistics” and inserting “Under
13 Secretary of Defense for Acquisition and
14 Sustainment”;

15 (B) by inserting after paragraph (3) the
16 following new paragraph:

17 “(4) the Under Secretary of Defense for Re-
18 search and Engineering;”; and

19 (C) by redesignating paragraphs (4)
20 through (13) as paragraphs (5) through (14),
21 respectively.

22 (9) Section 171a of title 10, United States
23 Code, is amended—

24 (A) in subsection (b)(2), by striking
25 “Under Secretary of Defense for Acquisition,

1 Technology, and Logistics” and inserting
2 “Under Secretary of Defense for Acquisition
3 and Sustainment”;

4 (B) by inserting after subsection (b)(2) the
5 following new paragraph:

6 “(3) the Under Secretary of Defense for Re-
7 search and Engineering;”;

8 (C) in subsection (b), by redesignating
9 paragraphs (3) through (7) as paragraphs (4)
10 through (8), respectively; and

11 (D) in subsection (e), by striking “Under
12 Secretary of Defense for Acquisition, Tech-
13 nology, and Logistics” and inserting “Under
14 Secretary of Defense for Acquisition and
15 Sustainment”.

16 (10) Subsection (d)(1) of section 181 of title
17 10, United States Code, is amended—

18 (A) in subparagraph (C), by striking
19 “Under Secretary of Defense for Acquisition,
20 Technology, and Logistics” and inserting
21 “Under Secretary of Defense for Acquisition
22 and Sustainment”;

23 (B) by inserting after subparagraph (C)
24 the following new subparagraph:

1 “(D) the Under Secretary of Defense for Re-
2 search and Engineering.”; and

3 (C) by redesignating paragraphs (D)
4 through (G) as paragraphs (E) through (H),
5 respectively.

6 (11) Subsection (b)(2) of section 393 of title
7 10, United States Code, is amended—

8 (A) in subparagraph (B), by striking
9 “Under Secretary of Defense for Acquisition,
10 Technology, and Logistics” and inserting
11 “Under Secretary of Defense for Acquisition
12 and Sustainment”;

13 (B) by inserting after subparagraph (B)
14 the following new subparagraph:

15 “(C) the Under Secretary of Defense for
16 Research and Engineering.”; and

17 (C) by redesignating subparagraphs (C)
18 through (E) as subparagraphs (D) through (F).

19 (12) Section 1111 of the National Defense Au-
20 thorization Act for Fiscal Year 2016 (Public law
21 114–92; 129 Stat. 1032; 10 U.S.C. 1701 note) is
22 amended by striking “Under Secretary of Defense
23 for Acquisition, Technology, and Logistics” each
24 place such term appears and inserting “Under Sec-
25 retary of Defense for Acquisition and Sustainment”.

1 (13) Section 231(a) of the National Defense
2 Authorization Act for Fiscal Year 2008 (Public law
3 110–181; 122 Stat. 45; 10 U.S.C. 1701 note) is
4 amended by striking “Under Secretary of Defense
5 for Acquisition, Technology, and Logistics” and in-
6 serting “Under Secretary of Defense for Acquisition
7 and Sustainment”.

8 (14) Section 1702 of title 10, United States
9 Code, is amended—

10 (A) in the heading, by striking “**Under**
11 **Secretary of Defense for Acquisition,**
12 **Technology, and Logistics**” and inserting
13 “**Under Secretary of Defense for Ac-**
14 **quisition and Sustainment**”;

15 (B) in the section text, by striking “Under
16 Secretary of Defense for Acquisition, Tech-
17 nology, and Logistics” and inserting “Under
18 Secretary of Defense for Acquisition and
19 Sustainment”.

20 (15) Section 807(a) of the Bob Stump National
21 Defense Authorization Act for Fiscal Year 2003
22 (Public Law 107–314; 116 Stat. 2608; 10 U.S.C.
23 1702 note) is amended by striking “Under Secretary
24 of Defense for Acquisition, Technology, and Logis-

1 tics” and inserting “Under Secretary of Defense for
2 Acquisition and Sustainment”.

3 (16) Section 1705 of title 10, United States
4 Code, is amended—

5 (A) in subsection (e), by striking “Under
6 Secretary of Defense for Acquisition, Tech-
7 nology, and Logistics” and inserting “Under
8 Secretary of Defense for Acquisition and
9 Sustainment”;

10 (B) in subsection (e)(3), by striking
11 “Under Secretary of Defense for Acquisition,
12 Technology, and Logistics” and inserting
13 “Under Secretary of Defense for Acquisition
14 and Sustainment”; and

15 (C) in subsection (g)(2)(B), by striking
16 “Under Secretary of Defense for Acquisition,
17 Technology, and Logistics” and inserting
18 “Under Secretary of Defense for Acquisition
19 and Sustainment”.

20 (17) Section 803(c) of the National Defense
21 Authorization Act for Fiscal Year 2013 (Public Law
22 112–239; 126 Stat. 1825; 10 U.S.C. 1705 note) is
23 amended by striking “Under Secretary of Defense
24 for Acquisition, Technology, and Logistics” and in-

1 serting “Under Secretary of Defense for Acquisition
2 and Sustainment”.

3 (18) Section 1722 of title 10, United States
4 Code, is amended—

5 (A) in subsection (a), by striking “Under
6 Secretary of Defense for Acquisition, Tech-
7 nology, and Logistics” and inserting “Under
8 Secretary of Defense for Acquisition and
9 Sustainment”; and

10 (B) in subsection (b)(2)(B), by striking
11 “Under Secretary of Defense for Acquisition,
12 Technology, and Logistics” and inserting
13 “Under Secretary of Defense for Acquisition
14 and Sustainment”.

15 (19) Section 1722a of title 10, United States
16 Code, is amended—

17 (A) in subsection (a), by striking “Under
18 Secretary of Defense for Acquisition, Tech-
19 nology, and Logistics” and inserting “Under
20 Secretary of Defense for Acquisition and
21 Sustainment”; and

22 (B) in subsection (e), by striking “Under
23 Secretary of Defense for Acquisition, Tech-
24 nology, and Logistics” and inserting “Under

1 Secretary of Defense for Acquisition and
2 Sustainment”.

3 (20) Section 1722b(a) of title 10, United States
4 Code, is amended by striking “Under Secretary of
5 Defense for Acquisition, Technology, and Logistics”
6 and inserting “Under Secretary of Defense for Ac-
7 quisition and Sustainment”.

8 (21) Section 1723 of title 10, United States
9 Code, is amended—

10 (A) in subsection (a)(3), by striking
11 “Under Secretary of Defense for Acquisition,
12 Technology, and Logistics” and inserting
13 “Under Secretary of Defense for Acquisition
14 and Sustainment”; and

15 (B) in subsection (b), by striking “Under
16 Secretary of Defense for Acquisition, Tech-
17 nology, and Logistics” and inserting “Under
18 Secretary of Defense for Acquisition and
19 Sustainment”.

20 (22) Section 1725(e)(2) of title 10, United
21 States Code, is amended by striking “Under Sec-
22 retary of Defense for Acquisition, Technology, and
23 Logistics” and inserting “Under Secretary of De-
24 fense for Acquisition and Sustainment”.

1 (23) Section 1735(c)(1) of title 10, United
2 States Code, is amended by striking “Under Sec-
3 retary of Defense for Acquisition, Technology, and
4 Logistics” and inserting “Under Secretary of De-
5 fense for Acquisition and Sustainment”.

6 (24) Section 1737(c) of title 10, United States
7 Code, is amended by striking “Under Secretary of
8 Defense for Acquisition, Technology, and Logistics”
9 and inserting “Under Secretary of Defense for Ac-
10 quisition and Sustainment”.

11 (25) Section 1741(b) of title 10, United States
12 Code, is amended by striking “Under Secretary of
13 Defense for Acquisition, Technology, and Logistics”
14 and inserting “Under Secretary of Defense for Ac-
15 quisition and Sustainment”.

16 (26) Section 1746(a) of title 10, United States
17 Code, is amended by striking “Under Secretary of
18 Defense for Acquisition, Technology, and Logistics”
19 and inserting “Under Secretary of Defense for Ac-
20 quisition and Sustainment”.

21 (27) Section 1748 of title 10, United States
22 Code, is amended by striking “Under Secretary of
23 Defense for Acquisition, Technology, and Logistics”
24 and inserting “Under Secretary of Defense for Ac-
25 quisition and Sustainment”.

1 (28) Section 2222 of title 10, United States
2 Code, is amended—

3 (A) in subsection (c)(2), by striking
4 “Under Secretary of Defense for Acquisition,
5 Technology, and Logistics” and inserting
6 “Under Secretary of Defense for Acquisition
7 and Sustainment”; and

8 (B) in subsection (f)(2)(B)(i), by striking
9 “Under Secretary of Defense for Acquisition,
10 Technology, and Logistics” and inserting
11 “Under Secretary of Defense for Acquisition
12 and Sustainment”.

13 (29) Section 217(a) of the National Defense
14 Authorization Act for Fiscal Year 2016 (Public Law
15 114–92; 129 Stat. 770; 10 U.S.C. 2222 note) is
16 amended by striking “Under Secretary of Defense
17 for Acquisition, Technology, and Logistics” and in-
18 serting “Under Secretary of Defense for Acquisition
19 and Sustainment”.

20 (30) Section 882(b) of the Ike Skelton National
21 Defense Authorization Act for Fiscal Year 2011
22 (Public Law 111–383; 128 Stat. 4308; 10 U.S.C.
23 2222 note) is amended by striking “Under Secretary
24 of Defense for Acquisition, Technology, and Logis-

1 tics” and inserting “Under Secretary of Defense for
2 Acquisition and Sustainment”.

3 (31) Section 2272 of title 10, United States
4 Code, is amended by striking “Assistant Secretary of
5 Defense for Research and Engineering” and insert-
6 ing “Under Secretary of Defense for Research and
7 Engineering”.

8 (32) Section 2275(a) of title 10, United States
9 Code, is amended by striking “Under Secretary of
10 Defense for Acquisition, Technology, and Logistics”
11 and inserting “Under Secretary of Defense for Re-
12 search and Engineering”.

13 (33) Section 2279(d) of title 10, United States
14 Code, is amended by striking “Under Secretary of
15 Defense for Acquisition, Technology, and Logistics”
16 and inserting “Under Secretary of Defense for Ac-
17 quisition and Sustainment”.

18 (34) Section 2279b of title 10, United States
19 Code, is amended—

20 (A) in subsection (b)—

21 (i) in paragraph (2), by striking
22 “Under Secretary of Defense for Acquisi-
23 tion, Technology, and Logistics” and in-
24 serting “Under Secretary of Defense for
25 Acquisition and Sustainment”;

1 (ii) by redesignating paragraphs (3)
2 through (10) as paragraphs (4) through
3 (11), respectively; and

4 (iii) by inserting after paragraph (2)
5 the following new paragraph:

6 “(3) the Under Secretary of Defense for Re-
7 search and Engineering.”; and

8 (B) in subsection (e), by striking “Under
9 Secretary of Defense for Acquisition, Tech-
10 nology, and Logistics” and inserting “Under
11 Secretary of Defense for Acquisition and
12 Sustainment”.

13 (35) Section 898(a)(2) of the National Defense
14 Authorization Act for Fiscal Year 2017 (Public Law
15 114–328; 130 Stat. 2000; 10 U.S.C. 2302 note) is
16 amended by striking “Under Secretary of Defense
17 for Acquisition, Technology, and Logistics” each
18 place such term appears and inserting “Under Sec-
19 retary of Defense for Acquisition and Sustainment”.

20 (36) Section 804 of the National Defense Au-
21 thorization Act for Fiscal Year 2016 (Public Law
22 114–92; 129 Stat. 726; 10 U.S.C. 2302 note) is
23 amended by striking “Under Secretary of Defense
24 for Acquisition, Technology, and Logistics” each

1 place such term appears and inserting “Under Sec-
2 retary of Defense for Acquisition and Sustainment”.

3 (37) Section 852 of the Carl Levin and Howard
4 P. “Buck” McKeon National Defense Authorization
5 Act for Fiscal Year 2015 (Public Law 113–291; 130
6 Stat. 3458; 10 U.S.C. 2302 note) is amended by
7 striking “Under Secretary of Defense for Acquisi-
8 tion, Technology, and Logistics” and inserting
9 “Under Secretary of Defense for Acquisition and
10 Sustainment”.

11 (38) Section 806 of the National Defense Au-
12 thorization Act for Fiscal Year 2012 (Public Law
13 112–81; 125 Stat. 1487; 10 U.S.C. 2302 note) is
14 amended by striking “Under Secretary of Defense
15 for Acquisition, Technology, and Logistics” each
16 place such term appears and inserting “Under Sec-
17 retary of Defense for Acquisition and Sustainment”.

18 (39) Section 843 of the National Defense Au-
19 thorization Act for Fiscal Year 2012 (Public Law
20 112–81; 125 Stat. 1487; 10 U.S.C. 2302 note) is
21 amended by striking “Under Secretary of Defense
22 for Acquisition, Technology, and Logistics” and in-
23 serting “Under Secretary of Defense for Acquisition
24 and Sustainment”.

1 (40) Section 254(b) of the Duncan Hunter Na-
2 tional Defense Authorization Act for Fiscal Year
3 2009 (Public Law 110–417; 122 Stat. 4402; 10
4 U.S.C. 2302 note) is amended by striking “Under
5 Secretary of Defense for Acquisition, Technology,
6 and Logistics” and inserting “Under Secretary of
7 Defense for Acquisition and Sustainment”.

8 (41) Section 802(d) of the Ronald W. Reagan
9 National Defense Authorization Act for Fiscal Year
10 2005 (Public Law 108–375; 118 Stat. 2004; 10
11 U.S.C. 2302 note) is amended by striking “Under
12 Secretary of Defense for Acquisition, Technology,
13 and Logistics” each place such term appears and in-
14 serting “Under Secretary of Defense for Acquisition
15 and Sustainment”.

16 (42) Section 244 of the Bob Stump National
17 Defense Authorization Act for Fiscal Year 2003
18 (Public Law 107–314; 116 Stat. 2498; 10 U.S.C.
19 2302 note) is amended by striking “Under Secretary
20 of Defense for Acquisition, Technology, and Logis-
21 tics” each place such term appears and inserting
22 “Under Secretary of Defense for Acquisition and
23 Sustainment”.

24 (43) Section 804(c) of the Bob Stump National
25 Defense Authorization Act for Fiscal Year 2003

1 (Public Law 107–314; 116 Stat. 2605; 10 U.S.C.
2 2302 note) is amended by striking “Under Secretary
3 of Defense for Acquisition, Technology, and Logis-
4 tics” each place such term appears and inserting
5 “Under Secretary of Defense for Acquisition and
6 Sustainment”.

7 (44) Section 2304 of title 10, United States
8 Code, is amended by striking “Under Secretary of
9 Defense for Acquisition, Technology, and Logistics”
10 each place such term appears and inserting “Under
11 Secretary of Defense for Acquisition and
12 Sustainment”.

13 (45) Section 895 of the National Defense Au-
14 thorization Act for Fiscal Year 2016 (Public Law
15 114–92; 129 Stat. 954; 10 U.S.C. 2304 note) is
16 amended by striking “Under Secretary of Defense
17 for Acquisition, Technology, and Logistics” each
18 place such term appears and inserting “Under Sec-
19 retary of Defense for Acquisition and Sustainment”.

20 (46) Section 806(b) of the Ike Skelton National
21 Defense Authorization Act for Fiscal Year 2011
22 (Public Law 111–383; 124 Stat. 4260; 10 U.S.C.
23 2304 note) is amended by striking “Under Secretary
24 of Defense for Acquisition, Technology, and Logis-
25 tics” each place such term appears and inserting

1 “Under Secretary of Defense for Acquisition and
2 Sustainment”.

3 (47) Section 821(a) of the National Defense
4 Authorization Act for Fiscal Year 2008 (Public Law
5 110–181; 122 Stat. 226; 10 U.S.C. 2304 note) is
6 amended by striking “Under Secretary of Defense
7 for Acquisition, Technology, and Logistics” and in-
8 serting “Under Secretary of Defense for Acquisition
9 and Sustainment”.

10 (48) Section 801(b)(2)(B) of the National De-
11 fense Authorization Act for Fiscal Year 2008 (Pub-
12 lic Law 110–181; 122 Stat. 204; 10 U.S.C. 2304
13 note) is amended by striking “Under Secretary of
14 Defense for Acquisition, Technology, and Logistics”
15 and inserting “Under Secretary of Defense for Ac-
16 quisition and Sustainment”.

17 (49) Section 817(e) of the John Warner Na-
18 tional Defense Authorization Act for Fiscal Year
19 2007 (Public Law 109–364; 120 Stat. 2326; 10
20 U.S.C. 2304 note) is amended by striking “Under
21 Secretary of Defense for Acquisition, Technology,
22 and Logistics” and inserting “Under Secretary of
23 Defense for Acquisition and Sustainment”.

24 (50) Section 811(e)(1) of the National Defense
25 Authorization Act for Fiscal Year 2006 (Public Law

1 109–163; 120 Stat. 2326; 10 U.S.C. 2304 note) is
2 amended by striking “Under Secretary of Defense
3 for Acquisition, Technology, and Logistics” and in-
4 serting “Under Secretary of Defense for Acquisition
5 and Sustainment”.

6 (51) Section 875 of the National Defense Au-
7 thorization Act for Fiscal Year 2017 (Public Law
8 114–328; 130 Stat. 2310; 10 U.S.C. 2305 note) is
9 amended—

10 (A) in subsection (b)(2), by striking
11 “Under Secretary of Defense for Acquisition,
12 Technology, and Logistics” and inserting
13 “Under Secretary of Defense for Acquisition
14 and Sustainment”;

15 (B) in subsection (c), by striking “Under
16 Secretary of Defense for Acquisition, Tech-
17 nology, and Logistics” and inserting “Under
18 Secretary of Defense for Acquisition and
19 Sustainment”;

20 (C) in subsection (d), by striking “The
21 Under Secretary for Acquisition, Technology,
22 and Logistics” and inserting “The Under Sec-
23 retary of Defense for Research and Engineer-
24 ing”; and

1 (D) in subsection (e) through (f), by strik-
2 ing “Under Secretary of Defense for Acquisi-
3 tion, Technology, and Logistics” and inserting
4 “Under Secretary of Defense for Acquisition
5 and Sustainment”.

6 (52) Section 888(b)(1) of the National Defense
7 Authorization Act for Fiscal Year 2017 (Public Law
8 114–328; 130 Stat. 2322; 10 U.S.C. 2305 note) is
9 amended by striking “Under Secretary of Defense
10 for Acquisition, Technology, and Logistics” and in-
11 sserting “Under Secretary of Defense for Acquisition
12 and Sustainment”.

13 (53) Section 829(b)(1) of the National Defense
14 Authorization Act for Fiscal Year 2017 (Public Law
15 114–328; 130 Stat. 2281; 10 U.S.C. 2306 note) is
16 amended by striking “Under Secretary of Defense
17 for Acquisition, Technology, and Logistics” and in-
18 sserting “Under Secretary of Defense for Acquisition
19 and Sustainment”.

20 (54) Section 2306b(i)(7) of title 10, United
21 States Code, is amended by striking “Under Sec-
22 retary of Defense for Acquisition, Technology, and
23 Logistics” and inserting “Under Secretary of De-
24 fense for Acquisition and Sustainment”.

1 (55) Section 2311(c) of title 10, United States
2 Code, is amended—

3 (A) in paragraph (1), by striking “Under
4 Secretary of Defense for Acquisition, Tech-
5 nology, and Logistics” and inserting “Under
6 Secretary of Defense for Acquisition and
7 Sustainment”; and

8 (B) in paragraph (2)(B), by striking
9 “Under Secretary of Defense for Acquisition,
10 Technology, and Logistics” and inserting
11 “Under Secretary of Defense for Acquisition
12 and Sustainment”.

13 (56) Section 824(a) of the Ike Skelton National
14 Defense Authorization Act for Fiscal Year 2011
15 (Public Law 111–383; 124 Stat. 4269; 10 U.S.C.
16 2320 note) is amended by striking “Under Secretary
17 of Defense for Acquisition, Technology, and Logis-
18 tics” and inserting “Under Secretary of Defense for
19 Acquisition and Sustainment”.

20 (57) Section 2326(g) of title 10, United States
21 Code, is amended by striking “Under Secretary of
22 Defense for Acquisition, Technology, and Logistics”
23 and inserting “Under Secretary of Defense for Ac-
24 quisition and Sustainment”.

1 (58) Section 2330 of title 10, United States
2 Code, is amended—

3 (A) in subsection (a)(1), by striking
4 “Under Secretary of Defense for Acquisition,
5 Technology, and Logistics” and inserting
6 “Under Secretary of Defense for Acquisition
7 and Sustainment”;

8 (B) in subsection (a)(3), by striking
9 “Under Secretary of Defense for Acquisition,
10 Technology, and Logistics” and inserting
11 “Under Secretary of Defense for Acquisition
12 and Sustainment”;

13 (C) in subsection (b)(2), by striking
14 “Under Secretary of Defense for Acquisition,
15 Technology, and Logistics” and inserting
16 “Under Secretary of Defense for Acquisition
17 and Sustainment”; and

18 (D) in subsection (b)(3)(A), by striking
19 “Under Secretary of Defense for Acquisition,
20 Technology, and Logistics” and inserting
21 “Under Secretary of Defense for Acquisition
22 and Sustainment”.

23 (59) Section 882 of the National Defense Au-
24 thorization Act for Fiscal Year 2016 (Public Law
25 114–92; 129 Stat. 942; 10 U.S.C. 2330 note) is

1 amended in the matter preceding paragraph (1) by
2 striking “Under Secretary of Defense for Acquisi-
3 tion, Technology, and Logistics” and inserting
4 “Under Secretary of Defense for Acquisition and
5 Sustainment”.

6 (60) Section 801(b)(2)(B) of the National De-
7 fense Authorization Act for Fiscal Year 2002 (Pub-
8 lic Law 107–107; 115 Stat. 1176; 10 U.S.C. 2330
9 note) is amended by striking “Under Secretary of
10 Defense for Acquisition, Technology, and Logistics”
11 and inserting “Under Secretary of Defense for Ac-
12 quisition and Sustainment”.

13 (61) Section 2334 of title 10, United States
14 Code, is amended by striking “Under Secretary of
15 Defense for Acquisition, Technology, and Logistics”
16 each place such term appears and inserting “Under
17 Secretary of Defense for Acquisition and
18 Sustainment”.

19 (62) Section 2350a(b)(2) of title 10, United
20 States Code, is amended by striking “Under Sec-
21 retary of Defense for Acquisition, Technology, and
22 Logistics, and the Assistant Secretary of Defense for
23 Research and Engineering” and inserting “Under
24 Secretary of Defense for Acquisition and

1 Sustainment, and the Under Secretary of Defense
2 for Research and Engineering”.

3 (63) Section 2359(b)(1) of title 10, United
4 States Code, is amended by striking “Under Sec-
5 retary of Defense for Acquisition, Technology, and
6 Logistics” and inserting “Under Secretary of De-
7 fense for Research and Engineering”.

8 (64) Section 2359b of title 10, United States
9 Code, is amended—

10 (A) in subsection (a)(1), by striking
11 “Under Secretary of Defense for Acquisition,
12 Technology, and Logistics” and inserting
13 “Under Secretary of Defense for Research and
14 Engineering”; and

15 (B) in subsection (l)(1), by striking
16 “Under Secretary of Defense for Acquisition,
17 Technology, and Logistics” and inserting
18 “Under Secretary of Defense for Research and
19 Engineering”.

20 (65) Section 2365 of title 10, United States
21 Code, is amended—

22 (A) by striking “Assistant Secretary” each
23 place it appears and inserting “Under Sec-
24 retary”; and

1 (B) in subsection (d), by striking para-
2 graph (3).

3 (66) Section 2375 of title 10, United States
4 Code, is amended by striking “Under Secretary of
5 Defense for Acquisition, Technology, and Logistics”
6 each place such term appears and inserting “Under
7 Secretary of Defense for Acquisition and
8 Sustainment”.

9 (67) Section 874(b)(1) of the National Defense
10 Authorization Act for Fiscal Year 2017 (Public Law
11 114–328; 130 Stat. 2310; 10 U.S.C. 2375 note) is
12 amended by striking “Under Secretary of Defense
13 for Acquisition, Technology, and Logistics” and in-
14 serting “Under Secretary of Defense for Acquisition
15 and Sustainment”.

16 (68) Section 876 of the National Defense Au-
17 thorization Act for Fiscal Year 2017 (Public Law
18 114–328; 130 Stat. 2311; 10 U.S.C. 2377 note) is
19 amended by striking “Under Secretary of Defense
20 for Acquisition, Technology, and Logistics” and in-
21 serting “Under Secretary of Defense for Acquisition
22 and Sustainment”.

23 (69) Section 855 of the National Defense Au-
24 thorization Act for Fiscal Year 2016 (Public Law
25 114–92; 129 Stat. 919; 10 U.S.C. 2377 note) is

1 amended by striking “Under Secretary of Defense
2 for Acquisition, Technology, and Logistics” each
3 place such term appears and inserting “Under Sec-
4 retary of Defense for Acquisition and Sustainment”.

5 (70) Section 856(a)(2)(B) of the National De-
6 fense Authorization Act for Fiscal Year 2016 (Pub-
7 lic Law 114–92; 129 Stat. 920; 10 U.S.C. 2377
8 note) is amended by striking “Under Secretary of
9 Defense for Acquisition, Technology, and Logistics”
10 and inserting “Under Secretary of Defense for Ac-
11 quisition and Sustainment”.

12 (71) Section 2399(b)(3) of title 10, United
13 States Code, is amended by striking “Under Sec-
14 retary of Defense for Acquisition, Technology, and
15 Logistics,” and inserting “Under Secretary of De-
16 fense for Acquisition and Sustainment, the Under
17 Secretary of Defense for Research and Engineer-
18 ing,”.

19 (72) Section 2419(a)(1) of title 10, United
20 States Code, is amended by striking “Under Sec-
21 retary of Defense for Acquisition, Technology, and
22 Logistics” and inserting “Under Secretary of De-
23 fense for Acquisition and Sustainment”.

24 (73) Section 825(c)(2) of the National Defense
25 Authorization Act for Fiscal Year 2016 (Public Law

1 114–92; 129 Stat. 908; 10 U.S.C. 2430 note) is
2 amended by striking “Under Secretary of Defense
3 for Acquisition, Technology, and Logistics” and in-
4 serting “Under Secretary of Defense for Acquisition
5 and Sustainment”.

6 (74) Section 826(e) of the National Defense
7 Authorization Act for Fiscal Year 2016 (Public Law
8 114–92; 129 Stat. 908; 10 U.S.C. 2430 note) is
9 amended by striking “Under Secretary of Defense
10 for Acquisition, Technology, and Logistics” and in-
11 serting “Under Secretary of Defense for Acquisition
12 and Sustainment”.

13 (75) Section 827(e) of the National Defense
14 Authorization Act for Fiscal Year 2016 (Public Law
15 114–92; 129 Stat. 909; 10 U.S.C. 2430 note) is
16 amended by striking “Under Secretary of Defense
17 for Acquisition, Technology, and Logistics” and in-
18 serting “Under Secretary of Defense for Acquisition
19 and Sustainment”.

20 (76) Section 811(b) of the National Defense
21 Authorization Act for Fiscal Year 2013 (Public Law
22 112–239; 126 Stat. 1828; 10 U.S.C. 2430 note) is
23 amended—

24 (A) in paragraph (1), by striking “if the
25 Under Secretary of Defense for Acquisition,

1 Technology, and Logistics” and inserting “if
2 the service acquisition executive, in the case of
3 a major defense acquisition program of the
4 military department, or the Under Secretary of
5 Defense for Acquisition and Sustainment, in
6 the case of a Defense-wide or Defense Agency
7 major defense acquisition program,”; and

8 (B) in paragraph (2), by inserting “the
9 service acquisition executive or” before “the
10 Under Secretary” each place such term ap-
11 pears.

12 (77) Section 812(a) of the National Defense
13 Authorization Act for Fiscal Year 2013 (Public Law
14 112–239; 126 Stat. 1829; 10 U.S.C. 2430 note) is
15 amended by striking “Under Secretary of Defense
16 for Acquisition, Technology, and Logistics” and in-
17 serting “Under Secretary of Defense for Acquisition
18 and Sustainment”.

19 (78) Section 814 of the Duncan Hunter Na-
20 tional Defense Authorization Act for Fiscal Year
21 2009 (Public Law 115–91; 131 Stat. 1467; 10
22 U.S.C. 2430 note) is amended—

23 (A) in subsection (b), by striking para-
24 graph (2) and inserting the following new para-
25 graphs:

1 “(2) REQUIRED MEMBERS.—Each Configura-
2 tion Steering Board under this section shall include
3 a representative of the following:

4 “(A) The Chief of Staff of the Armed
5 Force concerned.

6 “(B) The Comptroller of the military de-
7 partment concerned.

8 “(C) The military deputy to the service ac-
9 quisition executive concerned.

10 “(D) The program executive officer for the
11 major defense acquisition program concerned.

12 “(3) ADDITIONAL MEMBERS.—In addition to
13 the members required in paragraph (2), when the
14 milestone decision authority for a major defense ac-
15 quisition program is the Under Secretary of Defense
16 for Acquisition and Sustainment, each Configuration
17 Steering Board under this section shall also include
18 a representative of the following:

19 “(A) The Office of the Under Secretary of
20 Defense for Acquisition and Sustainment.

21 “(B) Other armed forces, as appropriate.

22 “(C) The Joint Staff.

23 “(D) Other senior representatives of the
24 Office of the Secretary of Defense and the mili-

1 tary department concerned, as appropriate.”;
2 and

3 (B) in subsection (c)(5)(B), by striking
4 “Under Secretary of Defense for Acquisition,
5 Technology, and Logistics” and inserting “serv-
6 ice acquisition executive”.

7 (79) Section 801(a)(1) of the John Warner Na-
8 tional Defense Authorization Act for Fiscal Year
9 2007 (Public Law 109–364; 120 Stat. 2312; 10
10 U.S.C. 2430 note) is amended by striking “Under
11 Secretary of Defense for Acquisition, Technology,
12 and Logistics” and inserting “Under Secretary of
13 Defense for Acquisition and Sustainment”.

14 (80) Section 924 of the National Defense Au-
15 thorization Act for Fiscal Year 2004 (Public Law
16 108–136; 117 Stat. 1576; 10 U.S.C. 2430 note) is
17 amended by striking “Under Secretary of Defense
18 for Acquisition, Technology, and Logistics” each
19 place it appears and inserting “Under Secretary of
20 Defense for Acquisition and Sustainment”.

21 (81) Section 1675(a) of the National Defense
22 Authorization Act for Fiscal Year 2016 (Public Law
23 114–92; 192 Stat. 1131; 10 U.S.C. 2431 note) is
24 amended by striking “Under Secretary of Defense
25 for Acquisition, Technology, and Logistics” and in-

1 serting “the Under Secretary of Defense for Re-
2 search and Engineering”.

3 (82) Section 2431a(b) of title 10, United States
4 Code, is amended by striking “Under Secretary of
5 Defense for Acquisition, Technology, and Logistics”
6 and inserting “Under Secretary of Defense for Ac-
7 quisition and Sustainment”.

8 (83) Section 2435 of title 10, United States
9 Code, is amended by striking—

10 (A) in subsection (b), by striking “Under
11 Secretary of Defense for Acquisition, Tech-
12 nology, and Logistics” and inserting “service
13 acquisition executive, in the case of a major de-
14 fense acquisition program of a military depart-
15 ment, or the Under Secretary of Defense for
16 Acquisition and Sustainment, in the case of a
17 Defense-wide or Defense Agency major defense
18 acquisition program”; and

19 (B) in subsection (e)(2), by striking
20 “Under Secretary of Defense for Acquisition,
21 Technology, and Logistics” and inserting
22 “Under Secretary of Defense for Acquisition
23 and Sustainment”.

24 (84) Section 2438(b) of title 10, United States
25 Code, is amended—

1 (A) in paragraph (1), by striking “Under
2 Secretary of Defense for Acquisition, Tech-
3 nology and Logistics” and inserting “Under
4 Secretary of Defense for Acquisition and
5 Sustainment”; and

6 (B) in paragraph (2), by striking “Under
7 Secretary of Defense for Acquisition, Tech-
8 nology and Logistics” and inserting “Under
9 Secretary of Defense for Acquisition and
10 Sustainment”.

11 (85) Section 2448b(a) of title 10, United States
12 Code, is amended in the matter preceding paragraph
13 (1) by inserting “by an independent organization se-
14 lected by the service acquisition executive” after
15 “conducted”.

16 (86) Section 2503(b) of title 10, United States
17 Code, is amended by striking “Under Secretary of
18 Defense for Acquisition, Technology, and Logistics”
19 and inserting “Under Secretary of Defense for Ac-
20 quisition and Sustainment”.

21 (87) Section 2508(b) of title 10, United States
22 Code, is amended by striking “Under Secretary of
23 Defense for Acquisition, Technology, and Logistics”
24 and inserting “Under Secretary of Defense for Ac-
25 quisition and Sustainment”.

1 (88) Section 2521 of title 10, United States
2 Code, is amended—

3 (A) in subsection (a), by striking “The
4 Under Secretary of Defense for Acquisition,
5 Technology, and Logistics” and inserting “The
6 Under Secretary of Defense for Research and
7 Engineering”;

8 (B) in subsection (e)(4)(D), by striking
9 “Under Secretary of Defense for Acquisition,
10 Technology, and Logistics” and inserting
11 “Under Secretary of Defense for Research and
12 Engineering”; and

13 (C) in subsection (e)(5), by striking
14 “Under Secretary of Defense for Acquisition,
15 Technology, and Logistics” and inserting
16 “Under Secretary of Defense for Research and
17 Engineering”.

18 (89) Section 2533b(k)(2)(A) of title 10, United
19 States Code, is amended by striking “Under Sec-
20 retary of Defense for Acquisition, Technology, and
21 Logistics” and inserting “Under Secretary of De-
22 fense for Acquisition and Sustainment”.

23 (90) Section 2546 of title 10, United States
24 Code, is amended—

1 (A) in the heading of subsection (a), by
2 striking “UNDER SECRETARY OF DEFENSE
3 FOR ACQUISITION, TECHNOLOGY, AND LOGIS-
4 TICS” and inserting “UNDER SECRETARY OF
5 DEFENSE FOR ACQUISITION AND
6 SUSTAINMENT”;

7 (B) in subsection (a), by striking “Under
8 Secretary of Defense for Acquisition, Tech-
9 nology, and Logistics” and inserting “Under
10 Secretary of Defense for Acquisition and
11 Sustainment”; and

12 (C) in subsection (b), by striking “Under
13 Secretary of Defense for Acquisition, Tech-
14 nology, and Logistics” and inserting “Under
15 Secretary of Defense for Acquisition and
16 Sustainment”.

17 (91) Section 2548 of title 10, United States
18 Code, is amended—

19 (A) in subsection (a), by striking “Under
20 Secretary of Defense for Acquisition, Tech-
21 nology, and Logistics” and inserting “Under
22 Secretary of Defense for Acquisition and
23 Sustainment”; and

24 (B) in subsection (c)(8), by striking
25 “Under Secretary of Defense for Acquisition,

1 Technology, and Logistics” and inserting
2 “Under Secretary of Defense for Acquisition
3 and Sustainment”.

4 (92) Section 2902(b) of title 10, United States
5 Code, is amended—

6 (A) in paragraph (1), by striking “Office
7 of the Assistant Secretary of Defense for Re-
8 search and Engineering” and inserting “Office
9 of the Secretary of Defense for Research and
10 Engineering”; and

11 (B) in paragraph (3), by striking “Office
12 of the Under Secretary of Defense for Acquisi-
13 tion, Technology, and Logistics” and inserting
14 “Office of the Under Secretary of Defense for
15 Acquisition and Sustainment”.

16 (93) Section 2824(d) of the National Defense
17 Authorization Act for Fiscal Year 2013 (Public law
18 112–239; 126 Stat. 2154; 10 U.S.C. 2911 note) is
19 amended by striking “Under Secretary of Defense
20 for Acquisition, Technology, and Logistics and the
21 Assistant Secretary of Defense for Energy, Installa-
22 tions, and Environment” and inserting “Under Sec-
23 retary of Defense for Acquisition and Sustainment”.

24 (94) Section 315(d) of the National Defense
25 Authorization Act for Fiscal Year 2012 (Public law

1 112–81; 125 Stat. 1357; 10 U.S.C. 2911 note) is
2 amended by striking “Under Secretary of Defense
3 for Acquisition, Technology, and Logistics” and in-
4 serting “Under Secretary of Defense for Acquisition
5 and Sustainment”.

6 (95) Section 2926(e)(5)(D) of title 10, United
7 States Code, is amended by striking “Under Sec-
8 retary of Defense for Acquisition, Technology, and
9 Logistics” and inserting “Under Secretary for De-
10 fense for Acquisition and Sustainment”.

11 (96) Section 836(a)(2) of the National Defense
12 Authorization Act for Fiscal Year 2012 (Public Law
13 112–81; 125 Stat. 1508; 22 U.S.C. 2767 note) is
14 amended by striking “the Under Secretary of De-
15 fense for Acquisition, Technology, and Logistics, the
16 Assistant Secretary of Defense for Research,” and
17 inserting “the Under Secretary of Defense for Ac-
18 quisition and Sustainment, the Under Secretary of
19 Defense for Research and Engineering,”.

20 (97) Section 7103(d)(7)(M)(v) of title 22,
21 United States Code, is amended by striking “Under
22 Secretary of Defense for Acquisition, Technology,
23 and Logistics” and inserting “Under Secretary of
24 Defense for Acquisition and Sustainment”.

1 (98) Section 1126(a)(3) of title 31, United
2 States Code, is amended by striking “Under Sec-
3 retary of Defense for Acquisition, Technology, and
4 Logistics” and inserting “Under Secretary of De-
5 fense for Acquisition and Sustainment”.

6 (99) Section 11319(d)(4) of title 40, United
7 States Code, is amended by striking “Under Sec-
8 retary of Defense for Acquisition, Technology, and
9 Logistics” and inserting “Under Secretary of De-
10 fense for Acquisition and Sustainment”.

11 (100) Section 1302(b)(2)(A)(i) of title 41,
12 United States Code, is amended by striking “Under
13 Secretary of Defense for Acquisition, Technology,
14 and Logistics” and inserting “Under Secretary of
15 Defense for Acquisition and Sustainment”.

16 (101) Section 809 of the National Defense Au-
17 thorization Act for Fiscal Years 1992 and 1993
18 (Public Law 102–190; 105 Stat. 1423; 41 U.S.C.
19 1302 note) is amended by striking “Under Secretary
20 of Defense for Acquisition, Technology, and Logis-
21 tics” and inserting “Under Secretary of Defense for
22 Acquisition and Sustainment”.

23 (102) Section 1311(b)(3) of title 41, United
24 States Code, is amended by striking “Under Sec-
25 retary of Defense for Acquisition, Technology, and

1 Logistics” and inserting “Under Secretary of De-
2 fense for Acquisition and Sustainment”.

3 (103) Section 98f(a)(3) of title 50, United
4 States Code, is amended by striking “Under Sec-
5 retary of Defense for Acquisition, Technology, and
6 Logistics” and inserting “Under Secretary of De-
7 fense for Acquisition and Sustainment”.

8 (104) Section 1521 of title 50, United States
9 Code, is amended—

10 (A) in subsection (f)(1), by striking
11 “Under Secretary of Defense for Acquisition,
12 Technology, and Logistics” and inserting
13 “Under Secretary of Defense for Acquisition
14 and Sustainment”; and

15 (B) in subsection (g)(2), by striking
16 “Under Secretary of Defense for Acquisition,
17 Technology, and Logistics” and inserting
18 “Under Secretary of Defense for Acquisition
19 and Sustainment.”.

20 (k) REQUIREMENTS FOR THE NATIONAL SECURITY
21 STRATEGY FOR NATIONAL TECHNOLOGY AND INDUS-
22 TRIAL BASE.—

23 (1) NATIONAL SECURITY STRATEGY FOR NA-
24 TIONAL TECHNOLOGY AND INDUSTRIAL BASE.—Sec-
25 tion 2501(a) of title 10, United States Code, is

1 amended by inserting after the first sentence the fol-
2 lowing new sentence: “The Secretary shall submit
3 such strategy to Congress not later than 180 days
4 after the date of submission of the national security
5 strategy report required under section 108 of the
6 National Security Act of 1947 (50 U.S.C. 3043).”.

7 (2) ANNUAL REPORT TO CONGRESS.—Section
8 2504(3) of title 10, United States Code, is amend-
9 ed—

10 (A) in the matter preceding subparagraph
11 (A), by inserting “executive order or” after
12 “pursuant to”;

13 (B) by amending subparagraph (A) to read
14 as follows:

15 “(A) prioritized list of gaps or
16 vulnerabilities in the national technology and
17 industrial base, including—

18 “(i) a description of mitigation strate-
19 gies necessary to address such gaps or
20 vulnerabilities;

21 “(ii) the identification of the indi-
22 vidual responsible for addressing such gaps
23 or vulnerabilities; and

24 “(iii) a proposed timeline for action to
25 address gaps or vulnerabilities.”.

1 (1) ESTABLISHMENT OF CENTER FOR ACQUISITION
2 INNOVATION.—

3 (1) ESTABLISHMENT OF CENTER FOR ACQUI-
4 TION INNOVATION.—

5 (A) IN GENERAL.—Chapter 97 of title 10,
6 United States Code, is amended by inserting
7 after section 1746 the following new section:

8 **“§ 1746a. Center for Acquisition Innovation**

9 “(a) ESTABLISHMENT.—The Secretary of Defense,
10 acting through the Under Secretary of Defense for Acqui-
11 sition and Sustainment, shall establish and maintain a
12 Center for Acquisition Innovation (hereinafter referred to
13 as the ‘Center’) at the Naval Postgraduate School. The
14 Center shall operate as an academic entity specializing in
15 innovation relating to the defense acquisition system.

16 “(b) MISSION.—(1) The mission of the Center is to
17 provide to policymakers in the Department of Defense,
18 Congress, and throughout the Government, academic anal-
19 yses and policy alternatives for innovation in the defense
20 acquisition system. The Center shall accomplish that mis-
21 sion by a variety of means intended to widely disseminate
22 the research findings of the Center.

23 “(2) In carrying out the mission under paragraph
24 (1), the Center shall, on an ongoing basis, review the stat-
25 utes and regulations applicable to the defense acquisition

1 system. The objective of such review is to provide policy
2 alternatives for streamlining and improving the efficiency
3 and effectiveness of the defense acquisition process in
4 order to ensure a defense technology advantage for the
5 United States over potential adversaries.

6 “(c) IMPLEMENTATION REVIEW OF SECTION 809
7 PANEL RECOMMENDATIONS AND CENTER POLICY ALTER-
8 NATIVES.—(1) The Center shall, on an ongoing basis, re-
9 view implementation of the recommendations of the Sec-
10 tion 809 Panel and policy alternatives provided by the
11 Center. As part of such review, the Center shall—

12 “(A) for recommendations or policy alternatives
13 for the enactment of legislation, identify whether (or
14 to what extent) the recommendations or policy alter-
15 natives have been adopted by being enacted into law
16 by Congress;

17 “(B) for recommendations or policy alternatives
18 for the issuance of regulations, identify whether (or
19 to what extent) the recommendations or policy alter-
20 natives have been adopted through issuance of new
21 agency or Government-wide regulations; and

22 “(C) for recommendations or policy alternatives
23 for revisions to policies and procedures in the execu-
24 tive branch, identify whether (or to what extent) the
25 recommendations or policy alternatives have been

1 adopted through issuance of an appropriate imple-
2 menting directive or other form of guidance.

3 “(2) In this subsection, the term ‘Section 809 Panel’
4 means the panel established by the Secretary of Defense
5 pursuant to section 809 of the National Defense Author-
6 ization Act for Fiscal Year 2016 (Public Law 114–92),
7 as amended by section 863(d) of the National Defense Au-
8 thorization Act for Fiscal Year 2017 (Public Law 114–
9 328) and sections 803(c) and 883 of the National Defense
10 Authorization Act for Fiscal Year 2018 (Public Law 115–
11 91).

12 “(d) FUNDING.—There shall be available for the Cen-
13 ter for any fiscal year from the Defense Acquisition Work-
14 force and Development Fund not less than the amount
15 of \$3,000,000 (in fiscal year 2019 constant dollars), in
16 addition to any other amount available for that fiscal year
17 for the Naval Postgraduate School.

18 “(e) ANNUAL REPORT.—(1) Not later than Sep-
19 tember 30 each year, the Center shall submit to the Sec-
20 retary of Defense, who shall forward to the Committees
21 on Armed Services of the Senate and House of Represent-
22 atives, a report describing the activities of the Center dur-
23 ing the previous year and providing the findings, analysis,
24 and policy alternatives of the Center relating to the de-
25 fense acquisition system.

1 “(2) Each such report shall be submitted in accord-
2 ance with paragraph (1) without further review within the
3 executive branch.

4 “(3) Each report under paragraph (1) shall include
5 the following:

6 “(A) Results of academic research and analysis.

7 “(B) Results of the implementation reviews
8 conducted pursuant to subsection (d).

9 “(C) Policy alternatives for such legislative and
10 executive branch action as the Center considers war-
11 ranted.

12 “(D) Specific implementation language for any
13 statutory changes recommended.

14 “(f) DEFINITION.—In this section, the term ‘defense
15 acquisition system’ has the meaning given that term in
16 section 2545(2) of this title.”.

17 (B) CLERICAL AMENDMENT.—The table of
18 sections at the beginning of such chapter is
19 amended by inserting after the item relating to
20 section 2165 the following new item:

“1746a. Center for Acquisition Innovation.”.

21 (2) DEADLINE FOR IMPLEMENTATION.—The
22 Secretary of Defense shall establish the Center for
23 Acquisition Innovation under section 1746a of title
24 10, United States Code, as added by subsection (a),
25 not later than March 1, 2020. The first Director of

1 the Center shall be appointed not later than June 1,
2 2020, and the Center should be fully operational not
3 later than June 1, 2021.

4 (3) IMPLEMENTATION REPORT.—

5 (A) IN GENERAL.—Not later than January
6 1, 2021, the head of the Center of Acquisition
7 Innovation shall submit to the Secretary of De-
8 fense a report setting forth the organizational
9 plan for the Center for Acquisition Innovation,
10 the proposed budget for the Center, and the
11 timetable for initial and full operations of the
12 Center.

13 (B) TRANSMITTAL.—The Secretary of De-
14 fense shall transmit the report under paragraph
15 (1), together with whatever comments the Sec-
16 retary considers appropriate, to the Committee
17 on Armed Services of the Senate and the Com-
18 mittee on Armed Services of the House of Rep-
19 resentatives not later than February 1, 2021.

20 (4) RECORDS OF THE SECTION 809 PANEL.—

21 (A) TRANSFER AND MAINTENANCE OF
22 RECORDS.—Following termination of the Sec-
23 tion 809 Panel, the records of the panel shall
24 be transferred to, and shall be maintained by,
25 the Defense Technical Information Center.

1 Such transfer shall be accomplished not later
2 than August 1, 2019.

3 (B) STATUS OF RECORDS.—Working pa-
4 pers, records of interview, and any other draft
5 work products generated for any purpose by the
6 Section 809 Panel during its research are cov-
7 ered by the deliberative process privilege exemp-
8 tion under paragraph (5) of section 552(b) of
9 title 5, United States Code.

10 (C) DEFINITION.—In this section, the
11 term “Section 809 Panel” means the panel es-
12 tablished by the Secretary of Defense pursuant
13 to section 809 of the National Defense Author-
14 ization Act for Fiscal Year 2016 (Public Law
15 114–92), as amended by section 863(d) of the
16 National Defense Authorization Act for Fiscal
17 Year 2017 (Public Law 114–328) and sections
18 803(c) and 883 of the National Defense Au-
19 thorization Act for Fiscal Year 2018 (Public
20 Law 115–91).

1 **Subtitle F—Industrial Base Matters**

2 **SEC. 871. CONSIDERATION OF SUBCONTRACTING TO MI-**
3 **NORITY INSTITUTIONS.**

4 (a) IN GENERAL.—Chapter 141 of title 10, United
5 States Code, is amended by adding at the end the fol-
6 lowing new section:

7 **“§ 2410t. Consideration of subcontracting to minority**
8 **institutions**

9 “(a) CONSIDERATION OF SUBCONTRACTING TO MI-
10 NORITY INSTITUTIONS.—The Secretary of Defense shall
11 revise the Department of Defense Supplement to the Fed-
12 eral Acquisition Regulation to require that the system
13 used by the Federal Government to monitor or record con-
14 tractor past performance for a grant or contract awarded
15 to an institution of higher education includes incentives
16 for the award of a sub-grant or subcontract to minority
17 institutions.

18 “(b) MINORITY INSTITUTION DEFINED.—In this sec-
19 tion, the term ‘minority institution’ means—

20 “(1) a part B institution (as that term is de-
21 fined in section 322(2) of the Higher Education Act
22 of 1965 (20 U.S.C. 1061(2)); or

23 “(2) any other institution of higher education
24 (as that term is defined in section 101 of such Act
25 (20 U.S.C. 1001)) at which not less than 50 percent

1 of the total student enrollment consists of students
2 from ethnic groups that are underrepresented in the
3 fields of science and engineering.”.

4 (b) CLERICAL AMENDMENT.—The table of sections
5 at the beginning of such chapter is amended by adding
6 at the end the following new item:

“2410t. Consideration of subcontracting to minority institutions.”.

7 **SEC. 872. SIZE STANDARD CALCULATIONS FOR CERTAIN**
8 **SMALL BUSINESS CONCERNS.**

9 (a) CLARIFYING AMENDMENT TO THE SMALL BUSI-
10 NESS RUNWAY EXTENSION ACT OF 2018.—Section
11 3(a)(2)(C) of the Small Business Act (15 U.S.C.
12 632(a)(2)(C)) is amended by inserting “(including the Ad-
13 ministration when acting pursuant to subparagraph (A))”
14 after “no Federal department or agency”.

15 (b) FINALIZATION OF SMALL BUSINESS RUNWAY
16 EXTENSION ACT OF 2018 RULES.—The Administrator of
17 the Small Business Administration shall issue a final rule
18 implementing the Small Business Runway Extension Act
19 of 2018 (Public Law 115–324) not later than December
20 17, 2019.

21 (c) AMENDMENT TO SIZE STANDARDS FOR CERTAIN
22 SMALL BUSINESS CONCERNS.—

23 (1) SIZE STANDARDS FOR SMALL BUSINESS
24 CONCERNS PROVIDING SERVICES.—Section
25 3(a)(2)(C)(ii)(II) of the Small Business Act (15

1 U.S.C. 632(a)(2)(C)(ii)(II)) is amended by striking
2 “not less than”.

3 (2) SIZE STANDARDS FOR OTHER BUSINESS
4 CONCERNS.—Section 3(a)(2)(C)(ii)(III) of the Small
5 Business Act (15 U.S.C. 632(a)(2)(C)(ii)(III)) is
6 amended by striking “not less than 3 years” and in-
7 serting “5 years”.

8 (d) TRANSITION PLAN FOR THE SMALL BUSINESS
9 RUNWAY EXTENSION ACT OF 2018.—

10 (1) PLAN REQUIRED.—Not later than 90 days
11 after the date of the enactment of this Act, the Ad-
12 ministrator of the Small Business Administration
13 shall implement a transition plan to assist business
14 concerns and Federal agencies with compliance with
15 the requirements of the Small Business Runway Ex-
16 tension Act of 2018 (Public Law 115–324).

17 (2) 3-YEAR CALCULATION FOR SIZE STAND-
18 ARDS.—

19 (A) IN GENERAL.—The transition plan de-
20 scribed under paragraph (1) shall include a re-
21 quirement that, during the period beginning on
22 December 17, 2018, and ending on the date
23 that is 6 months after the date on which the
24 Administrator issues final rules implementing
25 the Small Business Runway Extension Act of

1 2018 (Public Law 115–324), allows the use of
2 a 3-year calculation for a size standard to be
3 applied to a business concern if the use of such
4 3-year calculation allows such concern to be
5 considered a small business concern under sec-
6 tion 3(a)(1) of the Small Business Act (15
7 U.S.C. 632(a)(1)).

8 (B) 3-YEAR CALCULATION DEFINED.—In
9 this subsection, the term “3-year calculation”
10 means—

11 (i) with respect to a business concern
12 providing services described under clause
13 (ii)(II) of such section, a determination of
14 the size of such concern on the basis of the
15 annual average gross receipts of such con-
16 cern over a period of 3 years; and

17 (ii) with respect to a business concern
18 described under clause (ii)(III) of such sec-
19 tion, a determination of the size of such
20 concern on the basis of data over a period
21 of 3 years.

22 (e) REQUIREMENT TO UPDATE SAM.—Not later
23 than 90 days after the date of the enactment of this Act,
24 the System for Award Management (or any successor sys-

1 tem) shall be updated to comply with the requirements of
2 this Act.

3 **SEC. 873. MODIFICATIONS TO SMALL BUSINESS SUBCON-**
4 **TRACTING.**

5 (a) SMALL BUSINESS LOWER-TIER SUBCON-
6 TRACTING.—Section 8(d) of the Small Business Act (15
7 U.S.C. 637(d)) is amended—

8 (1) by amending paragraph (16) to read as fol-
9 lows:

10 “(16) CREDIT FOR CERTAIN SMALL BUSINESS
11 CONCERN SUBCONTRACTORS.—

12 “(A) IN GENERAL.—For purposes of deter-
13 mining whether or not a prime contractor has
14 attained the percentage goals specified in para-
15 graph (6)—

16 “(i) if the subcontracting goals per-
17 tain only to a single contract with the Fed-
18 eral agency, the prime contractor may elect
19 to receive credit for small business con-
20 cerns performing as first tier subcontrac-
21 tors or subcontractors at any tier pursuant
22 to the subcontracting plans required under
23 paragraph (6)(D) in an amount equal to
24 the total dollar value of any subcontracts

1 awarded to such small business concerns;
2 and

3 “(ii) if the subcontracting goals per-
4 tain to more than one contract with one or
5 more Federal agencies, or to one contract
6 with more than one Federal agency, the
7 prime contractor may only receive credit
8 for first tier subcontractors that are small
9 business concerns.

10 “(B) COLLECTION AND REVIEW OF DATA
11 ON SUBCONTRACTING PLANS.—The head of
12 each contracting agency shall ensure that—

13 “(i) the agency collects and reports
14 data on the extent to which contractors of
15 the agency meet the goals and objectives
16 set forth in subcontracting plans submitted
17 pursuant to this subsection; and

18 “(ii) the agency periodically reviews
19 data collected and reported pursuant to
20 subparagraph (A) for the purpose of en-
21 suring that such contractors comply in
22 good faith with the requirements of this
23 subsection and subcontracting plans sub-
24 mitted by the contractors pursuant to this
25 subsection.

1 “(C) RULE OF CONSTRUCTION.—Nothing
2 in this paragraph shall be construed to allow a
3 Federal agency to establish a goaling require-
4 ment for a prime contractor eligible to receive
5 credit under this paragraph that establishes an
6 amount of subcontracts with a subcontractor
7 that is not a first tier subcontractor for such
8 prime contractor.”; and

9 (2) by adding at the end the following new
10 paragraph:

11 “(18) DISPUTE PROCESS FOR NON-PAYMENT TO
12 SUBCONTRACTORS.—

13 “(A) NOTICE TO AGENCY.—With respect
14 to a contract with a Federal agency, a subcon-
15 tractor of a prime contractor on such contract
16 may, if the subcontractor has not received pay-
17 ment for performance on such contract within
18 30 days of the completion of such performance,
19 notify the Office of Small and Disadvantaged
20 Business Utilization (hereinafter referred to as
21 ‘OSDBU’) of the Federal agency and the prime
22 contractor of such lack of payment.

23 “(B) AGENCY DETERMINATION.—

24 “(i) IN GENERAL.—Upon receipt of a
25 notice described under subparagraph (A)

1 and if such notice is provided to the agen-
2 cy within the 15-day period following the
3 end the 30-day period described in sub-
4 paragraph (A), the OSDBU shall verify
5 whether such lack of payment has occurred
6 and determine whether such lack of pay-
7 ment is due to an undue restriction placed
8 on the prime contractor by an action of the
9 Federal agency.

10 “(ii) RESPONSE DURING DETERMINA-
11 TION.—During the period in which the
12 OSDBU is making the determination
13 under clause (i), the prime contractor may
14 respond to both the subcontractor and the
15 OSDBU with relevant verifying docu-
16 mentation to either prove payment or al-
17 lowable status of nonpayment.

18 “(C) CURE PERIOD.—If the OSDBU
19 verifies that the lack of payment under sub-
20 paragraph (B) is not due to an action of the
21 Federal agency, and the prime contractor has
22 not provided verifying documentation described
23 in subparagraph (B)(ii), the OSDBU shall no-
24 tify the prime contractor and provide the prime
25 contractor with a 15-day period in which the

1 prime contractor may make the payment owed
2 to the subcontractor.

3 “(D) RESULT OF NONPAYMENT.—If, after
4 notifying the prime contractor under subpara-
5 graph (C), the OSDBU determines that the
6 prime contractor has not fully paid the amount
7 owed within the 15-day period described under
8 subparagraph (C), the OSDBU shall ensure
9 that such failure to pay is reflected in the Con-
10 tractor Performance Assessment Reporting sys-
11 tem (or any successor system).”.

12 (b) MAINTENANCE OF RECORDS WITH RESPECT TO
13 CREDIT UNDER A SUBCONTRACTING PLAN.—Section
14 8(d)(6) of the Small Business Act (15 U.S.C. 637(d)(6))
15 is amended—

16 (1) by redesignating subparagraphs (G) and
17 (H) as subparagraphs (H) and (I), respectively (and
18 conforming the margins accordingly); and

19 (2) by inserting after subparagraph (F) the fol-
20 lowing new subparagraph:

21 “(G) a recitation of the types of records the
22 successful offeror or bidder will maintain to dem-
23 onstrate that procedures have been adopted to sub-
24 stantiate the credit the successful offeror or bidder
25 will elect to receive under paragraph (16)(A)(i);”.

1 **SEC. 874. INCLUSION OF BEST IN CLASS DESIGNATIONS IN**
2 **ANNUAL REPORT ON SMALL BUSINESS**
3 **GOALS.**

4 Section 15(h) of the Small Business Act (15 U.S.C.
5 644(h)) is amended by adding at the end the following
6 new paragraph:

7 “(4) BEST IN CLASS SMALL BUSINESS PARTICI-
8 PATION REPORTING.—

9 “(A) ADDENDUM.—The Administrator, in
10 addition to the requirements under paragraph
11 (2), shall include in the report required by such
12 paragraph, for each best in class designation—

13 “(i) the total amount of spending
14 Governmentwide in such designation;

15 “(ii) the number of small business
16 concerns awarded contracts and the dollar
17 amount of such contracts awarded within
18 each such designation to each of the fol-
19 lowing—

20 “(I) qualified HUBZone small
21 business concerns;

22 “(II) small business concerns
23 owned and controlled by women;

24 “(III) small business concerns
25 owned and controlled by service-dis-
26 abled veterans; and

1 “(IV) small business concerns
2 owned and controlled by socially and
3 economically disadvantaged individ-
4 uals.

5 “(B) BEST IN CLASS DEFINED.—The term
6 ‘best in class’ has the meaning given such term
7 by the Director of the Office of Management
8 and Budget.

9 “(C) EFFECTIVE DATE.—The Adminis-
10 trator shall report on the information described
11 by subparagraph (A) beginning on the date that
12 such information is available in the Federal
13 Procurement Data System, the System for
14 Award Management, or any successor to such
15 systems.”.

16 **SEC. 875. SMALL BUSINESS ADMINISTRATION CYBERSECUR-**
17 **RITY REPORTS.**

18 Section 10 of the Small Business Act (15 U.S.C. 639)
19 is amended by inserting after subsection (a) the following:

20 “(b) CYBERSECURITY REPORTS.—

21 “(1) ANNUAL REPORT.—Not later than 180
22 days after the date of enactment of this subsection,
23 and every year thereafter, the Administrator shall
24 submit a report to the appropriate congressional
25 committees that includes—

1 “(A) an assessment of the information
2 technology (as defined in section 11101 of title
3 40, United States Code) and cybersecurity in-
4 frastructure of the Administration;

5 “(B) a strategy to increase the cybersecu-
6 rity infrastructure of the Administration;

7 “(C) a detailed account of any information
8 technology equipment or interconnected system
9 or subsystem of equipment of the Administra-
10 tion that was manufactured by an entity that
11 has its principal place of business located in
12 China, Iran, Russia, or North Korea; and

13 “(D) an account of any cybersecurity risk
14 or incident that occurred at the Administration
15 during the 2-year period preceding the date on
16 which the report is submitted, and any action
17 taken by the Administrator to respond to or re-
18 mediate any such cybersecurity risk or incident.

19 “(2) ADDITIONAL REPORTS.—If the Adminis-
20 trator determines that there is a reasonable basis to
21 conclude that a cybersecurity risk or incident oc-
22 curred at the Administration, the Administrator
23 shall—

24 “(A) not later than 7 days after the date
25 on which the Administrator makes that deter-

1 mination, notify the appropriate congressional
2 committees of the cybersecurity risk or incident;
3 and

4 “(B) not later than 30 days after the date
5 on which the Administrator makes a determina-
6 tion under subparagraph (A)—

7 “(i) provide notice to individuals and
8 small business concerns affected by the cy-
9 bersecurity risk or incident; and

10 “(ii) submit to the appropriate con-
11 gressional committees a report, based on
12 information available to the Administrator
13 as of the date which the Administrator
14 submits the report, that includes—

15 “(I) a summary of information
16 about the cybersecurity risk or inci-
17 dent, including how the cybersecurity
18 risk or incident occurred; and

19 “(II) an estimate of the number
20 of individuals and small business con-
21 cerns affected by the cybersecurity
22 risk or incident, including an assess-
23 ment of the risk of harm to affected
24 individuals and small business con-
25 cerns.

1 “(3) RULE OF CONSTRUCTION.—Nothing in
2 this subsection shall be construed to affect the re-
3 porting requirements of the Administrator under
4 chapter 35 of title 44, United States Code, in par-
5 ticular the requirement to notify the Federal infor-
6 mation security incident center under section
7 3554(b)(7)(C)(ii) of such title, or any other provi-
8 sion of law.

9 “(4) DEFINITIONS.—In this subsection:

10 “(A) APPROPRIATE CONGRESSIONAL COM-
11 MITTEES.—The term ‘appropriate congressional
12 committees’ means—

13 “(i) the Committee on Small Business
14 and Entrepreneurship of the Senate; and

15 “(ii) the Committee on Small Busi-
16 ness of the House of Representatives.

17 “(B) CYBERSECURITY RISK; INCIDENT.—
18 The terms ‘cybersecurity risk’ and ‘incident’
19 have the meanings given such terms, respec-
20 tively, under section 2209(a) of the Homeland
21 Security Act of 2002.”.

1 **SEC. 876. CYBER COUNSELING CERTIFICATION PROGRAM**
2 **FOR LEAD SMALL BUSINESS DEVELOPMENT**
3 **CENTERS.**

4 Section 21 of the Small Business Act (15 U.S.C. 648)
5 is amended by adding at the end the following:

6 “(o) CYBER COUNSELING CERTIFICATION PROGRAM
7 FOR LEAD SMALL BUSINESS DEVELOPMENT CENTERS.—

8 “(1) CERTIFICATION PROGRAM.—The Adminis-
9 trator shall establish a cyber counseling certification
10 program, or approve a similar existing program, to
11 certify employees of lead small business development
12 centers to provide cyber planning assistance to small
13 business concerns.

14 “(2) NUMBER OF CERTIFIED EMPLOYEES.—
15 The Administrator shall ensure that each lead small
16 business development center has at least 1 employee,
17 and not less than 10 percent of the total number of
18 employees of the lead small business development
19 center, certified in providing cyber planning assist-
20 ance under this subsection.

21 “(3) CONSIDERATION OF SMALL BUSINESS DE-
22 VELOPMENT CENTER CYBER STRATEGY.—In car-
23 rying out this subsection, the Administrator, to the
24 extent practicable, shall consider any cyber strategy
25 methods included in the Small Business Develop-
26 ment Center Cyber Strategy developed under section

1 1841(a)(3)(B) of the National Defense Authoriza-
2 tion Act for Fiscal Year 2017 (Public Law 114–328;
3 130 Stat. 2662) and any cybersecurity outreach con-
4 ducted pursuant to section 2209(l) of the Homeland
5 Security Act of 2002.

6 “(4) REIMBURSEMENT FOR CERTIFICATION.—
7 Subject to the availability of appropriations, the Ad-
8 ministrator shall reimburse a lead small business de-
9 velopment center in an amount not to exceed
10 \$350,000 in any fiscal year for costs relating to the
11 certification of an employee of the lead small busi-
12 ness development center under the program estab-
13 lished under paragraph (1).

14 “(5) DEFINITIONS.—In this subsection:

15 “(A) CYBER PLANNING ASSISTANCE.—The
16 term ‘cyber planning assistance’ means counsel
17 and assistance to improve the cybersecurity in-
18 frastructure, awareness of cyber threat indica-
19 tors, and cyber training programs for employees
20 of a small business concern.

21 “(B) LEAD SMALL BUSINESS DEVELOP-
22 MENT CENTER.—The term ‘lead small business
23 development center’ means a small business de-
24 velopment center that has received a grant
25 under this section.”.

1 **SEC. 877. EXEMPTION OF CERTAIN CONTRACTS FROM THE**
2 **PERIODIC INFLATION ADJUSTMENTS TO THE**
3 **ACQUISITION-RELATED DOLLAR THRESH-**
4 **OLD.**

5 Subparagraph (B) of section 1908(b)(2) of title 41,
6 United States Code, is amended by inserting “3131 to
7 3134,” after “sections”.

8 **SEC. 878. IMPROVEMENTS TO CERTAIN DEFENSE INNOVA-**
9 **TION PROGRAMS.**

10 (a) ALIGNMENT OF THE SMALL BUSINESS INNOVA-
11 TION RESEARCH PROGRAM AND SMALL BUSINESS TECH-
12 NOLOGY TRANSFER PROGRAM OF THE DEPARTMENT OF
13 DEFENSE WITH THE NATIONAL DEFENSE SCIENCE AND
14 TECHNOLOGY STRATEGY.—

15 (1) IN GENERAL.—The Secretary of Defense
16 and Secretaries of the military departments shall, to
17 the extent practicable, align the research topics se-
18 lected for activities conducted under the Small Busi-
19 ness Innovation Research Program and Small Busi-
20 ness Technology Transfer Program (as defined
21 under section 9 of the Small Business Act (15
22 U.S.C. 638) with the National Defense Science and
23 Technology Strategy established under section 218
24 of the John. S. McCain National Defense Authoriza-
25 tion Act for Fiscal Year 2019 (Public Law 115–232;
26 132 Stat. 1679).

1 (2) USE OF NATIONAL DEFENSE SCIENCE AND
2 TECHNOLOGY STRATEGY TO DETERMINE RESEARCH
3 TOPICS.—Section 9 of the Small Business Act (15
4 U.S.C. 638) is amended—

5 (A) in subsection (g)(3)(B), by striking “,
6 in the 1992 report” and all that follows through
7 “that authority” and inserting “in the National
8 Defense Science and Technology Strategy es-
9 tablished under section 218 of the John. S.
10 McCain National Defense Authorization Act for
11 Fiscal Year 2019 (Public Law 115–232; 132
12 Stat. 1679)”; and

13 (B) in subsection (o)(3)(B), by striking “,
14 in accordance with section 2522 of title 10,
15 United States Code” and inserting “in the Na-
16 tional Defense Science and Technology Strategy
17 established under section 218 of the John. S.
18 McCain National Defense Authorization Act for
19 Fiscal Year 2019 (Public Law 115–232; 132
20 Stat. 1679)”.

21 (b) PILOT PROGRAM FOR DOMESTIC INVESTMENT
22 UNDER THE SBIR PROGRAM.—

23 (1) SENSE OF CONGRESS.—It is the sense of
24 Congress that the Administrator of the Small Busi-
25 ness Administration should promulgate regulations

1 to carry out the requirements under section 9(dd) of
2 the Small Business Act (15 U.S.C. 638(dd)) that—

3 (A) permit small business concerns that
4 are majority-owned by multiple venture capital
5 operating companies, hedge funds, or private
6 equity firms to participate in the SBIR pro-
7 gram in accordance with such section;

8 (B) provide specific information regarding
9 eligibility, participation, and affiliation rules to
10 such small business concerns; and

11 (C) preserve and maintain the integrity of
12 the SBIR program as a program for small busi-
13 ness concerns in the United States by prohib-
14 iting large entities or foreign-owned entities
15 from participation in the SBIR program.

16 (2) DOMESTIC INVESTMENT PILOT PROGRAM.—

17 (A) IN GENERAL.—Not later than 1 year
18 after the date of the enactment of this Act and
19 notwithstanding the requirements of section
20 9(dd) of the Small Business Act (15 U.S.C.
21 638(dd)), the Secretary of Defense shall create
22 and administer a program to be known as the
23 “Domestic Investment Pilot Program” under
24 which the Secretary and the service acquisition
25 executive for each military department may

1 make a SBIR award to a small business con-
2 cern that is majority-owned by multiple United
3 States-owned venture capital operating compa-
4 nies, hedge funds, or private equity firms with-
5 out providing the written determination de-
6 scribed under paragraph (2) of such section
7 9(dd).

8 (B) LIMITATION.—The Secretary of De-
9 fense may award not more than 10 percent of
10 the funds allocated for the SBIR program of
11 the Department of Defense under section 9(f)
12 of the Small Business Act (15 U.S.C. 638(f)) to
13 small business concerns that are owned in ma-
14 jority part by multiple venture capital operating
15 companies, hedge funds, or private equity firms
16 through competitive, merit-based procedures
17 that are open to all eligible small business con-
18 cerns.

19 (C) EVALUATION CRITERIA.—In carrying
20 out the Domestic Investment Pilot Program,
21 the Secretary of Defense may not use invest-
22 ment of venture capital or investment from
23 hedge funds or private equity firms as a cri-
24 terion for the award of contracts under the
25 SBIR program or STTR program.

1 (D) ANNUAL REPORTING.—The Secretary
2 of Defense shall include as part of each annual
3 report required under section 9(b)(7) of the
4 Small Business Act (15 U.S.C. 638(9)(b)(7))
5)—

6 (i) information on the implementation
7 of the Domestic Investment Pilot Program;

8 (ii) the number of proposals received
9 from small business concerns that are ma-
10 jority-owned by multiple venture capital
11 operating companies, hedge funds, or pri-
12 vate equity firms for the Domestic Invest-
13 ment Pilot Program; and

14 (iii) the number of awards made to
15 such small business concerns.

16 (E) TERMINATION.—The Domestic Invest-
17 ment Pilot Program established under this sub-
18 section shall terminate on September 30, 2022.

19 (3) DEFINITIONS.—In this section:

20 (A) SBIR.—The term “SBIR” has the
21 meaning given in section 9(e) of the Small
22 Business Act (15 U.S.C. 638(e)).

23 (B) SMALL BUSINESS ACT DEFINITIONS.—
24 The terms “small business concern”, “venture
25 capital operating company”, “hedge fund”, and

1 “private equity firm” have the meanings given
2 those terms, respectively, in section 3 of the
3 Small Business Act (15 U.S.C. 632).

4 (c) CYBERSECURITY TECHNICAL ASSISTANCE FOR
5 SBIR AND STTR PROGRAMS.—

6 (1) IN GENERAL.—The Secretary of Defense
7 may enter into an agreement with 1 or more vendors
8 selected under section (9)(q)(2) of the Small Busi-
9 ness Act (15 U.S.C. 638(q)(2)) to provide small
10 business concerns engaged in SBIR or STTR
11 projects with cybersecurity technical assistance ,
12 such as access to a network of cybersecurity experts
13 and engineers engaged in designing and imple-
14 menting cybersecurity practices.

15 (2) AMOUNTS.—In carrying out paragraph (1),
16 the Secretary of Defense may provide the amounts
17 described under section (9)(q)(3) of such Act (15
18 U.S.C. 638(q)(3)) to a recipient that meets the eligi-
19 bility requirements under the applicable subpara-
20 graph, if the recipient requests to seek cybersecurity
21 technical assistance from an individual or entity
22 other than a vendor selected as described in para-
23 graph (1).

24 (d) PHASE 0 PROOF OF CONCEPT PARTNERSHIP
25 PROGRAM FOR THE DEPARTMENT OF DEFENSE.—Section

1 9(jj) of the Small Business Act (15 U.S.C. 638) is amend-
2 ed—

3 (1) in paragraph (1), by striking “The Director
4 of the National Institutes of Health” and inserting
5 “A covered agency head”;

6 (2) by striking “The Director” each place it ap-
7 pears and inserting “A covered agency head”;

8 (3) by striking “the Director” each place it ap-
9 pears and inserting “a covered agency head”;

10 (4) in paragraph (2)—

11 (A) by amending subparagraph (A) to read
12 as follows:

13 “(A) the term ‘covered agency head’
14 means—

15 “(i) with respect to the STTR pro-
16 gram of the National Institutes of Health,
17 the Director of the National Institutes of
18 Health; or

19 “(ii) with respect to the STTR pro-
20 gram of the Department of Defense, the
21 Secretary of Defense;” and

22 (B) in subparagraph (C), by striking “in
23 the National Institutes of Health’s STTR pro-
24 gram” and inserting “in either the STTR pro-
25 gram of the Department of Defense or the

1 STTR program of the National Institutes of
2 Health”; and

3 (5) in paragraph (4)(A), by inserting “partici-
4 pating in the STTR program administered by such
5 agency head” after “a qualifying institution”.

6 (e) MODIFICATION TO THE DEFENSE RESEARCH AND
7 DEVELOPMENT RAPID INNOVATION PROGRAM.—

8 (1) INCREASE TO FUNDING.—Section
9 2359a(b)(3) of title 10, United States Code, is
10 amended by striking “\$3,000,000” and inserting
11 “\$6,000,000”.

12 (2) REPORT.—Not later than 180 days after
13 the date of the enactment of this Act, the Secretary
14 of Defense shall submit to the congressional defense
15 committees a report on the program established
16 under section 2359a(b)(3) of title 10, United States
17 Code, (commonly known as the “Defense Research
18 and Development Rapid Innovation Program”),
19 which shall include—

20 (A) with respect to the two fiscal years
21 preceding the submission of the report—

22 (i) a description of the total number
23 of proposals funded under the program;

24 (ii) the percent of funds made avail-
25 able under the program for Small Business

1 Innovation Research Program projects;
2 and

3 (iii) a list of Small Business Innova-
4 tion Research Program projects that re-
5 ceived funding under the program that
6 were included in major defense acquisition
7 programs (as defined in section 2430 of
8 title 10, United States Code) and other de-
9 fense acquisition programs that meet crit-
10 ical national security needs; and

11 (B) an assessment on the effectiveness of
12 the program in stimulating innovation tech-
13 nologies, reducing acquisition or lifecycle costs,
14 addressing technical risk, and improving the
15 timeliness and thoroughness of test and evalua-
16 tion outcomes.

17 (f) ESTABLISHMENT OF JOINT RESERVE DETACH-
18 MENTS AT DEFENSE INNOVATION UNIT.—

19 (1) ESTABLISHMENT.—The Secretary of De-
20 fense, in consultation with the Secretaries of the
21 military departments, shall establish not fewer than
22 three joint reserve detachments (referred to in this
23 section as “Detachments”) at locations of the De-
24 fense Innovation Unit—

1 (A) to support engagement and collabora-
2 tion with commercial innovation hubs; and

3 (B) to accelerate the transition and adop-
4 tion of commercial technologies for national se-
5 curity purposes.

6 (2) COMPOSITION.—Each Detachment shall be
7 composed of members of the reserve components
8 who possess relevant private sector experience in the
9 fields of business, acquisition, intelligence, engineer-
10 ing, technology transfer, science, mathematics, con-
11 tracting, procurement, logistics, cyberspace security,
12 or such other fields as are determined to be relevant
13 by the Under Secretary of Defense for Research and
14 Engineering.

15 (3) RESPONSIBILITIES.—The Detachments
16 shall have the following responsibilities:

17 (A) Each Detachment shall provide the
18 Department of Defense with expertise, analysis,
19 alternatives for innovation, and opportunities
20 for greater engagement and collaboration be-
21 tween the defense innovation ecosystem and
22 commercial industry.

23 (B) Each Detachment shall, on an ongoing
24 basis—

1 (i) recruit, retain, and employ mem-
2 bers of the reserve components who pos-
3 sess relevant private sector experience, as
4 described in paragraph (2);

5 (ii) partner with the military services,
6 the combatant commands, and other De-
7 partment of Defense organizations to seek
8 and rapidly prototype advanced commercial
9 solutions while lowering the barrier to
10 entry to serve defense requirements;

11 (iii) increase awareness of—

12 (I) the technology portfolios of
13 the Defense Innovation Unit; and

14 (II) the technology requirements
15 of the Department of Defense as iden-
16 tified in the National Defense Science
17 and Technology Strategy developed
18 under section 218 of the John S.
19 McCain National Defense Authoriza-
20 tion Act for Fiscal Year 2019 (Public
21 Law 115–232; 132 Stat. 1679);

22 (iv) capitalize on the growing invest-
23 ment in research and development made by
24 the commercial industry in assessing and
25 maturing dual-use technologies; and

1 (v) carry out such other activities as
2 may be directed by the Under Secretary of
3 Defense for Research and Engineering.

4 (4) DEADLINE FOR ESTABLISHMENT OF DE-
5 TACHMENTS.—The Secretary of Defense shall en-
6 sure that—

7 (A) at least one Detachment is established
8 on or before October 1, 2020; and

9 (B) all three Detachments required under
10 subsection (a) are established on or before Oc-
11 tober 1, 2022.

12 (5) IMPLEMENTATION REPORT.—

13 (A) IN GENERAL.—Not later than 120
14 days after the date of the enactment of this
15 Act, the Under Secretary of Defense for Re-
16 search and Engineering shall submit to the con-
17 gressional defense committees a report that in-
18 cludes—

19 (i) an organizational plan for the De-
20 tachments;

21 (ii) the estimated costs of establishing
22 the Detachments;

23 (iii) a timeline specifying when each
24 Detachment will attain initial operational

1 capability and full operational capability,
2 respectively.

3 (B) CONSULTATION.—In preparing the re-
4 port required under subparagraph (A), the
5 Under Secretary of Defense for Research and
6 Engineering shall consult with the Director of
7 the Defense Innovation Unit and the head of
8 each military service.

9 (g) MODIFICATION TO DEPARTMENT OF DEFENSE
10 SBIR EXPENDITURES.—Section 9(f) of the Small Busi-
11 ness Act (15 U.S.C. 638(f)) is amended—

12 (1) in paragraph (1)(I), by inserting “, except
13 as provided in paragraph (5)” after “thereafter,”
14 and inserting “fiscal years 2017 through 2019;
15 and”; and

16 (2) by adding at the end the following new
17 paragraph:

18 “(5) REQUIRED EXPENDITURE AMOUNTS FOR
19 THE DEPARTMENT OF DEFENSE.—With respect to
20 fiscal year 2020 and each fiscal year thereafter,
21 paragraph (1)(I) shall apply to the Department of
22 Defense with ‘4.0 percent’ substituted for ‘3.2 per-
23 cent’.”.

1 **SEC. 879. PILOT PROGRAM FOR DEVELOPMENT OF TECH-**
2 **NOLOGY-ENHANCED CAPABILITIES WITH**
3 **PARTNERSHIP INTERMEDIARIES.**

4 (a) ESTABLISHMENT.—The Secretary of Defense
5 may authorize the Commander of the United States Spe-
6 cial Operations Command to use not more than 5 percent
7 of the funds required to be expended by the Department
8 of Defense under section 9(f)(1) of the Small Business
9 Act (15 U.S.C. 638(f)(1)) for a pilot program to increase
10 participation by small business concerns in the develop-
11 ment of technology-enhanced capabilities for special oper-
12 ations forces.

13 (b) USE OF PARTNERSHIP INTERMEDIARY.—

14 (1) AUTHORIZATION.—The Commander of the
15 United States Special Operations Command may
16 modify an existing agreement with a partnership
17 intermediary to assist the Commander in carrying
18 out the pilot program under this section, including
19 with respect to the award of Small Business Innova-
20 tion Research Program contracts, Small Business
21 Technology Transfer Program contracts, and other
22 contracts and agreements to small business con-
23 cerns.

24 (2) USE OF FUNDS.—None of the funds re-
25 ferred to in subsection (a) shall be used to pay a

1 partnership intermediary for any administrative
2 costs associated with the pilot program.

3 (c) REPORT.—Not later than October 1, 2020, and
4 October 1, 2021, the Commander of the United States
5 Special Operations Command shall submit to the congres-
6 sional defense committees, the Committee on Small Busi-
7 ness of the House of Representatives, and the Committee
8 on Small Business and Entrepreneurship of the Senate a
9 report describing any agreement with a partnership inter-
10 mediary entered into pursuant to this section. The report
11 shall include, for each such agreement, the amount of
12 funds obligated, an identification of the recipient of such
13 funds, and a description of the use of such funds.

14 (d) TERMINATION.—The authority to carry out a
15 pilot program under this section shall terminate on Sep-
16 tember 30, 2021.

17 (e) DEFINITIONS.—In this section:

18 (1) PARTNERSHIP INTERMEDIARY.—The term
19 “partnership intermediary” has the meaning given
20 the term in section 23(c) of the Stevenson-Wydler
21 Technology Innovation Act of 1980 (15 U.S.C.
22 3715(e)).

23 (2) SMALL BUSINESS CONCERN.—The term
24 “small business concern” has the meaning given the

1 term under section 3 of the Small Business Act (15
2 U.S.C. 632).

3 (3) SMALL BUSINESS INNOVATION RESEARCH
4 PROGRAM.—The term “Small Business Innovation
5 Research Program” has the meaning given the term
6 in section 9(e)(4) of the Small Business Act (15
7 U.S.C. 638(e)).

8 (4) SMALL BUSINESS TECHNOLOGY TRANSFER
9 PROGRAM.—The term “Small Business Technology
10 Transfer Program” has the meaning given the term
11 in section 9(e)(5) of the Small Business Act (15
12 U.S.C. 638(e)).

13 (5) TECHNOLOGY-ENHANCED CAPABILITY.—
14 The term “technology-enhanced capability” means a
15 product, concept, or process that improves the abil-
16 ity of a member of the Armed Forces to achieve an
17 assigned mission.

18 **SEC. 880. AUTHORIZED OFFICIAL TO CARRY OUT THE PRO-**
19 **CUREMENT TECHNICAL ASSISTANCE COOP-**
20 **ERATIVE AGREEMENT PROGRAM.**

21 (a) AUTHORIZED OFFICIAL.—Effective October 1,
22 2021, section 2411(3) of title 10, United States Code, is
23 amended by striking “Director of Defense Logistics Agen-
24 cy” and inserting “Under Secretary of Defense for Acqui-
25 sition and Sustainment”.

1 (b) REPORT AND BRIEFING.—Not later than Novem-
2 ber 1, 2020, the Secretary of Defense shall provide to the
3 congressional defense committees a written report and
4 briefing on the activities carried out in preparation for the
5 transition of responsibilities for carrying out the procure-
6 ment technical assistance cooperative agreement program
7 under chapter 142 of title 10, United States Code, from
8 the Director of Defense Logistics Agency to the Under
9 Secretary of Defense for Acquisition and Sustainment, as
10 required by subsection (a).

11 (c) ANNUAL BUDGET JUSTIFICATION DOCU-
12 MENTS.—Not later than February 1, 2022, and each fiscal
13 year thereafter, the Secretary of Defense shall submit to
14 the congressional defense committees a budget justifica-
15 tion display that includes the procurement technical as-
16 sistance cooperative agreement program under chapter
17 142 of title 10, United States Code, as part of the budget
18 justification for Operation and Maintenance, Defense-wide
19 for the Office of the Secretary of Defense.

20 **SEC. 881. PERMANENT AUTHORIZATION AND IMPROVE-**
21 **MENT OF DEPARTMENT OF DEFENSE MEN-**
22 **TOR-PROTEGE PROGRAM.**

23 (a) PERMANENT AUTHORIZATION.—Section 831 of
24 the National Defense Authorization Act for Fiscal Year

1 1991 (Public Law 101–510; 10 U.S.C. 2302 note) is
2 amended by striking subsection (j).

3 (b) OFFICE OF SMALL BUSINESS PROGRAMS OVER-
4 SIGHT.—Section 831 of the National Defense Authoriza-
5 tion Act for Fiscal Year 1991 (Public Law 101–510; 10
6 U.S.C. 2302 note) is amended—

7 (1) by redesignating subsection (n) as sub-
8 section (o); and

9 (2) by inserting after subsection (m) the fol-
10 lowing new subsection:

11 “(n) ESTABLISHMENT OF PERFORMANCE GOALS
12 AND PERIODIC REVIEWS.—The Office of Small Business
13 Programs of the Department of Defense shall—

14 “(1) establish performance goals consistent with
15 the stated purpose of the Mentor-Protege Program
16 and outcome-based metrics to measure progress in
17 meeting those goals; and

18 “(2) submit to the congressional defense com-
19 mittees, not later than February 1, 2020, a report
20 on progress made toward implementing these per-
21 formance goals and metrics, based on periodic re-
22 views of the procedures used to approve mentor-pro-
23 tege agreements.”.

24 (c) MODIFICATION OF DISADVANTAGED SMALL
25 BUSINESS CONCERN DEFINITION.—Subsection (o)(2) of

1 the National Defense Authorization Act for Fiscal Year
2 1991 (Public Law 101–510; 10 U.S.C. 2302 note), as re-
3 designated by subsection (b)(1) of this section, is amended
4 by striking “has less than half the size standard cor-
5 responding to its primary North American Industry Clas-
6 sification System code” and inserting “is not more than
7 the size standard corresponding to its primary North
8 American Industry Classification System code”.

9 (d) REMOVAL OF PILOT PROGRAM REFERENCES.—
10 Section 831 of the National Defense Authorization Act for
11 Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2302
12 note) is amended—

13 (1) in the subsection heading for subsection (a),
14 by striking “PILOT”; and

15 (2) by striking “pilot” each place it appears.

16 (e) INDEPENDENT REPORT ON PROGRAM EFFEC-
17 TIVENESS.—

18 (1) IN GENERAL.—The Secretary of Defense
19 shall direct the Defense Business Board to submit to
20 the congressional defense committees a report evalu-
21 ating the effectiveness of the Mentor-Protege Pro-
22 gram established under section 831 of the National
23 Defense Authorization Act for Fiscal Year 1991
24 (Public Law 101–510; 10 U.S.C. 2302 note), includ-
25 ing recommendations for improving the program in

1 terms of performance metrics, forms of assistance,
2 and overall program effectiveness not later than
3 March 31, 2022.

4 (2) CONGRESSIONAL DEFENSE COMMITTEES
5 DEFINED.—In this subsection, the term “congres-
6 sional defense committees” has the meaning given
7 that term in section 101(a)(16) of title 10, United
8 States Code.

9 **Subtitle G—Other Matters**

10 **SEC. 891. REQUIREMENT TO USE MODELS OF COMMERCIAL** 11 **E-COMMERCE PORTAL PROGRAM.**

12 (a) IN GENERAL.—Before the award of a final con-
13 tract to a commercial e-commerce portal provider pursu-
14 ant to section 846 of the National Defense Authorization
15 Act for Fiscal Year 2018 (Public Law 115–91; 41 U.S.C.
16 1901 note), the Administrator of General Services shall
17 establish a five-year program to test the three models for
18 commercial e-commerce portals identified in section 4.1 of
19 “Procurement Through Commercial E-Commerce Portals
20 Phase II Report: Market Research & Consultation” issued
21 by the Administrator in April 2019.

22 (b) ANALYSIS.—The Administrator shall conduct an
23 analysis of the use of the three models described in sub-
24 section (a) to determine which model is the most effective
25 for procurement through commercial e-commerce portals.

1 **SEC. 892. REPORT AND DATABASE ON ITEMS MANUFAC-**
2 **TURED IN THE UNITED STATES FOR MAJOR**
3 **DEFENSE ACQUISITION PROGRAMS.**

4 (a) SENSE OF CONGRESS.—It is the sense of Con-
5 gress that any equipment or products purchased for major
6 defense acquisition programs (as defined in section 2430
7 of title 10, United States Code) should be manufactured
8 in the United States substantially all from articles, mate-
9 rials, or supplies mined, produced, or manufactured in the
10 United States, and that any such equipment or products
11 purchased by any entity of the Department of Defense
12 should be American-made, provided that American-made
13 equipment and products are of a quality similar to that
14 of competitive offers and are available in a timely manner
15 to meet mission requirements.

16 (b) IN GENERAL.—Chapter 144 of title 10, United
17 States Code, is amended by inserting after section 2436
18 the following new section:

19 **“§ 2436a. Major defense acquisition programs: report**
20 **and database on items manufactured in**
21 **the United States**

22 “(a) REPORT.—Beginning not later than one year
23 after the date of the enactment of this Act, the Secretary
24 of Defense shall submit to the congressional defense com-
25 mittees an annual report on the percentage of any items
26 procured in connection with a major defense acquisition

1 program that are manufactured in the United States sub-
2 stantially all from articles, materials, or supplies mined,
3 produced, or manufactured in the United States.

4 “(b) DATABASE.—The Secretary of Defense shall es-
5 tablish a database for information related to items de-
6 scribed in the report required under subsection (a) that
7 can be used for continuous data analysis to inform acquisi-
8 tion decisions relating to major defense acquisition pro-
9 grams.”.

10 (c) CLERICAL AMENDMENT.—The table of section at
11 the beginning of such chapter is amended by inserting
12 after the item relating to section 2436 the following new
13 item:

“2436a. Major defense acquisition programs: report and database on items man-
ufactured in the United States.”.

14 **SEC. 893. REQUIREMENTS RELATING TO SELECTED ACQUI-**
15 **SITION REPORTS.**

16 (a) INAPPLICABILITY OF TERMINATION OF REPORT
17 SUBMITTAL TO CONGRESS.—

18 (1) IN GENERAL.—Selected Acquisition Reports
19 required by section 2432 of title 10, United States
20 Code, shall not constitute reports covered by sub-
21 section (b) of section 1080 of the National Defense
22 Authorization Act for Fiscal Year 2016 (Public Law
23 114–92; 129 Stat. 1000; 10 U.S.C. 111 note), and
24 their submittal to Congress as required by such sec-

1 tion 2432 shall not be terminated by operation of
2 subsection (a) of such section 1080.

3 (2) CONFORMING AMENDMENT.—Effective on
4 December 30, 2021, section 1051(x) of the National
5 Defense Authorization Act for Fiscal Year 2018
6 (Public Law 115–91; 131 Stat. 1567) is amended by
7 striking paragraph (4).

8 (b) FORM OF SELECTED ACQUISITION REPORTS.—
9 Section 2432 of title 10, United States Code, is amended
10 by adding at the end the following new subsection:

11 “(i) A report required under this section shall be sub-
12 mitted in unclassified form without any designation relat-
13 ing to dissemination control, but may contain a classified
14 annex.”.

15 (c) REPORT ON ALTERNATIVE METHODOLOGY.—The
16 Secretary of Defense shall include with the budget for fis-
17 cal year 2021, as submitted to Congress pursuant to sec-
18 tion 1105(a) of title 31, United States Code, a report pro-
19 posing an alternative methodology for providing status re-
20 ports on major defense acquisition programs and other ac-
21 quisition activities, including programs carried out under
22 section 804 of the National Defense Authorization Act for
23 Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2302
24 note), where such status reports shall include information
25 on—

1 (1) scheduled and completed cybersecurity tests
2 of software acquired through a program covered by
3 the status report, including assessments on coopera-
4 tive vulnerability and penetration and adversarial as-
5 sessments;

6 (2) software development metrics, including ini-
7 tial and most recent estimates of the projected value,
8 sizing, schedule, and level of effort for software ac-
9 quired through a program covered by the status re-
10 port; and

11 (3) quality metrics for software acquired
12 through a program covered by the status report.

13 (d) **GUIDANCE ON CYBERSECURITY TESTS.**—With
14 respect to cybersecurity tests included in the alternative
15 methodology report described in subsection (c)(1), the
16 Secretary of Defense, in coordination with the Director of
17 Operational Test and Evaluation, shall develop policies on
18 the selection of cybersecurity tests, methods to consist-
19 ently describe the cybersecurity tests, and methods to as-
20 sociate cybersecurity tests with a component part of a sys-
21 tem or a version of the software tested.

22 **SEC. 894. CONTRACTOR SCIENCE, TECHNOLOGY, ENGI-**
23 **NEERING, AND MATH PROGRAMS.**

24 (a) **IN GENERAL.**—Section 862 of National Defense
25 Authorization Act for Fiscal Year 2012 (Public Law 112–

1 181; 125 Stat. 1521; 10 U.S.C. note prec. 2191) is
2 amended—

3 (1) in subsection (a), in the matter preceding
4 paragraph (1)—

5 (A) by striking “Under Secretary of De-
6 fense for Acquisition, Technology, and Logis-
7 tics” and inserting “Under Secretary of De-
8 fense for Research and Engineering”; and

9 (B) by striking “ensure that Department
10 of Defense contractors” and inserting “encour-
11 age Department of Defense contractors to”;
12 and

13 (2) by amending subsection (b) to read as fol-
14 lows:

15 “(b) ALLOWABLE COST.—The cost of participating
16 in activities described in subsection (a) to a Department
17 of Defense contractor shall be deemed to be an allowable
18 cost under a contract between the contractor and the De-
19 partment of Defense.”.

20 (b) IMPLEMENTATION.—Not later than 180 days
21 after the date of the enactment of this Act, the Secretary
22 of Defense shall issue such rules or guidance necessary
23 to implement the amendments made by this section.

1 **SEC. 895. EXTENSION OF SUNSET RELATING TO FEDERAL**
2 **DATA CENTER CONSOLIDATION INITIATIVE.**

3 Subsection (e) of section 834 of the National Defense
4 Authorization Act for Fiscal Year 2015 (44 U.S.C. 3601
5 note) is amended by striking “2020” and inserting
6 “2022”.

7 **SEC. 896. REQUIREMENTS RELATING TO CERTAIN RAIL**
8 **ROLLING STOCK PROCUREMENTS AND OPER-**
9 **ATIONS.**

10 (a) **LIMITATION ON CERTAIN RAIL ROLLING STOCK**
11 **PROCUREMENTS.**—Section 5323 of title 49, United States
12 Code, is amended by adding at the end the following:

13 “(u) **LIMITATION ON CERTAIN RAIL ROLLING STOCK**
14 **PROCUREMENTS.**—

15 “(1) **IN GENERAL.**—Except as provided in para-
16 graph (5), financial assistance made available under
17 this chapter shall not be used in awarding a contract
18 or subcontract to an entity on or after the date of
19 enactment of this subsection for the procurement of
20 rail rolling stock for use in public transportation if
21 the manufacturer of the rail rolling stock—

22 “(A) is incorporated in or has manufac-
23 turing facilities in the United States; and

24 “(B) is owned or controlled by, is a sub-
25 sidiary of, or is otherwise related legally or fi-

1 nancially to a corporation based in a country
2 that—

3 “(i) is identified as a nonmarket econ-
4 omy country (as defined in section 771(18)
5 of the Tariff Act of 1930 (19 U.S.C.
6 1677(18))) as of the date of enactment of
7 this subsection;

8 “(ii) was identified by the United
9 States Trade Representative in the most
10 recent report required by section 182 of
11 the Trade Act of 1974 (19 U.S.C. 2242)
12 as a priority foreign country under sub-
13 section (a)(2) of that section; and

14 “(iii) is subject to monitoring by the
15 Trade Representative under section 306 of
16 the Trade Act of 1974 (19 U.S.C. 2416).

17 “(2) EXCEPTION.—For purposes of paragraph
18 (1), the term ‘otherwise related legally or financially’
19 does not include a minority relationship or invest-
20 ment.

21 “(3) INTERNATIONAL AGREEMENTS.—This sub-
22 section shall be applied in a manner consistent with
23 the obligations of the United States under inter-
24 national agreements.

1 “(4) CERTIFICATION FOR RAIL ROLLING
2 STOCK.—

3 “(A) IN GENERAL.—Except as provided in
4 paragraph (5), as a condition of financial as-
5 sistance made available in a fiscal year under
6 section 5337, a recipient that operates rail fixed
7 guideway service shall certify in that fiscal year
8 that the recipient will not award any contract
9 or subcontract for the procurement of rail roll-
10 ing stock for use in public transportation with
11 a rail rolling stock manufacturer described in
12 paragraph (1).

13 “(B) SEPARATE CERTIFICATION.—The cer-
14 tification required under this paragraph shall be
15 in addition to any certification the Secretary es-
16 tablishes to ensure compliance with the require-
17 ments of paragraph (1).

18 “(5) EXCEPTION.—This subsection, including
19 the certification requirement under paragraph (4),
20 shall not apply to the award of a contract or sub-
21 contract made by a public transportation agency
22 with a rail rolling stock manufacturer described in
23 paragraph (1) if the manufacturer and the public
24 transportation agency have a contract for rail rolling

1 stock that was executed before the date of enact-
2 ment of this subsection.”.

3 (b) CYBERSECURITY CERTIFICATION FOR RAIL
4 ROLLING STOCK AND OPERATIONS.—Section 5323 of title
5 49, United States Code, as amended by subsection (a),
6 is amended by adding at the end the following:

7 “(v) CYBERSECURITY CERTIFICATION FOR RAIL
8 ROLLING STOCK AND OPERATIONS.—

9 “(1) CERTIFICATION.—As a condition of finan-
10 cial assistance made available under this chapter, a
11 recipient that operates a rail fixed guideway public
12 transportation system shall certify that the recipient
13 has established a process to develop, maintain, and
14 execute a written plan for identifying and reducing
15 cybersecurity risks.

16 “(2) COMPLIANCE.—For the process required
17 under paragraph (1), a recipient of assistance under
18 this chapter shall—

19 “(A) utilize the approach described by the
20 voluntary standards and best practices devel-
21 oped under section 2(c)(15) of the National In-
22 stitute of Standards and Technology Act (15
23 U.S.C. 272(c)(15)), as applicable;

24 “(B) identify hardware and software that
25 the recipient determines should undergo third-

1 party testing and analysis to mitigate cyberse-
2 curity risks, such as hardware or software for
3 rail rolling stock under proposed procurements;
4 and

5 “(C) utilize the approach described in any
6 voluntary standards and best practices for rail
7 fixed guideway public transportation systems
8 developed under the authority of the Secretary
9 of Homeland Security, as applicable.

10 “(3) LIMITATIONS ON STATUTORY CONSTRUC-
11 TION.—Nothing in this subsection shall be construed
12 to interfere with the authority of—

13 “(A) the Secretary of Homeland Security
14 to publish or ensure compliance with require-
15 ments or standards concerning cybersecurity for
16 rail fixed guideway public transportation sys-
17 tems; or

18 “(B) the Secretary of Transportation
19 under section 5329 to address cybersecurity
20 issues as those issues relate to the safety of rail
21 fixed guideway public transportation systems.”.

1 **SEC. 897. PROHIBITION ON CONTRACTING WITH PERSONS**
2 **THAT HAVE BUSINESS OPERATIONS WITH**
3 **THE MADURO REGIME.**

4 (a) PROHIBITION.—Except as provided under sub-
5 sections (c), (d), and (e), the Department of Defense may
6 not enter into a contract for the procurement of goods
7 or services with any person that has business operations
8 with an authority of the Government of Venezuela that
9 is not recognized as the legitimate Government of Ven-
10 ezuela by the United States Government.

11 (b) DEFINITIONS.—In this section:

12 (1) BUSINESS OPERATIONS.—The term “busi-
13 ness operations” means engaging in commerce in
14 any form, including acquiring, developing, maintain-
15 ing, owning, selling, possessing, leasing, or operating
16 equipment, facilities, personnel, products, services,
17 personal property, real property, or any other appa-
18 ratus of business or commerce.

19 (2) GOVERNMENT OF VENEZUELA.—(A) The
20 term “Government of Venezuela” includes the gov-
21 ernment of any political subdivision of Venezuela,
22 and any agency or instrumentality of the Govern-
23 ment of Venezuela.

24 (B) For purposes of subparagraph (A), the
25 term “agency or instrumentality of the Government
26 of Venezuela” means an agency or instrumentality

1 of a foreign state as defined in section 1603(b) of
2 title 28, United States Code, with each reference in
3 such section to “a foreign state” deemed to be a ref-
4 erence to “Venezuela”.

5 (3) PERSON.—The term “person” means—

6 (A) a natural person, corporation, com-
7 pany, business association, partnership, society,
8 trust, or any other nongovernmental entity, or-
9 ganization, or group;

10 (B) any governmental entity or instrumen-
11 tality of a government, including a multilateral
12 development institution (as defined in section
13 1701(c)(3) of the International Financial Insti-
14 tutions Act (22 U.S.C. 262r(e)(3))); and

15 (C) any successor, subunit, parent entity,
16 or subsidiary of, or any entity under common
17 ownership or control with, any entity described
18 in subparagraph (A) or (B).

19 (c) EXCEPTIONS.—

20 (1) IN GENERAL.—The prohibition under sub-
21 section (a) does not apply to a contract that the Sec-
22 retary of Defense and the Secretary of State jointly
23 determine—

24 (A) is necessary—

1 (i) for purposes of providing humani-
2 tarian assistance to the people of Ven-
3 ezuela,

4 (ii) for purposes of providing disaster
5 relief and other urgent life-saving meas-
6 ures; or

7 (iii) to carry out noncombatant evacu-
8 ations; or

9 (B) is vital to the national security inter-
10 ests of the United States.

11 (2) NOTIFICATION REQUIREMENT.—The Sec-
12 retary of Defense shall notify the congressional de-
13 fense committees, the Committee on Foreign Affairs
14 of the House of Representatives, and the Committee
15 on Foreign Relations of the Senate of any contract
16 entered into on the basis of an exception provided
17 for under paragraph (1).

18 (d) OFFICE OF FOREIGN ASSETS CONTROL LI-
19 CENSES.—The prohibition in subsection (a) shall not
20 apply to a person that has a valid license to operate in
21 Venezuela issued by the Office of Foreign Assets Control.

22 (e) AMERICAN DIPLOMATIC MISSION IN VEN-
23 EZUELA.—The prohibition in subsection (a) shall not
24 apply to contracts related to the operation and mainte-

1 nance of the United States Government’s consular offices
2 and diplomatic posts in Venezuela.

3 (f) APPLICABILITY.—This section shall apply with re-
4 spect to any contract entered into on or after the date
5 of the enactment of this section.

6 **TITLE IX—DEPARTMENT OF DE-**
7 **FENSE ORGANIZATION AND**
8 **MANAGEMENT**

9 **Subtitle A—Office of the Secretary**
10 **of Defense and Related Matters**

11 **SEC. 901. UPDATE OF AUTHORITIES RELATING TO NU-**
12 **CLEAR COMMAND, CONTROL, AND COMMU-**
13 **NICATIONS.**

14 (a) DUTIES AND POWERS OF UNDER SECRETARY OF
15 DEFENSE FOR ACQUISITION AND SUSTAINMENT.—Sec-
16 tion 133b(b) of title 10, United States Code, is amended—

17 (1) by redesignating paragraphs (4), (5), (6),
18 and (7) as paragraphs (5), (6), (7), and (8), respec-
19 tively;

20 (2) by inserting after paragraph (3) the fol-
21 lowing new paragraph (4):

22 “(4) establishing policies for, and providing
23 oversight, guidance, and coordination for, nuclear
24 command and control systems;” and

1 (3) in paragraph (6), as so redesignated, by in-
2 serting after “overseeing the modernization of nu-
3 clear forces” the following: “, including the nuclear
4 command, control, and communications system,”.

5 (b) CHIEF INFORMATION OFFICER.—Section
6 142(b)(1) of such title is amended—

7 (1) by striking subparagraph (G); and

8 (2) by redesignating subparagraphs (H) and (I)
9 as subparagraphs (G) and (H), respectively.

10 **Subtitle B—Other Department of**
11 **Defense Organization and Man-**
12 **agement Matters**

13 **SEC. 911. CODIFICATION OF ASSISTANT SECRETARIES FOR**
14 **ENVIRONMENT, INSTALLATIONS, AND EN-**
15 **ERGY OF THE ARMY, NAVY, AND AIR FORCE.**

16 (a) ASSISTANT SECRETARY OF THE ARMY.—Section
17 7016(b) of title 10, United States Code, is amended by
18 adding at the end the following new paragraph:

19 “(6)(A) One of the Assistant Secretaries shall be the
20 Assistant Secretary for Installations, Energy, and Envi-
21 ronment.

22 “(B) The principal duty of the Assistant Secretary
23 for Installations, Energy, and Environment shall be the
24 overall supervision of installation, energy, and environ-
25 ment matters for the Department of the Army.”.

1 (b) ASSISTANT SECRETARY OF THE NAVY.—Section
2 8016(b) of title 10, United States Code, is amended by
3 adding at the end the following new paragraph:

4 “(5)(A) One of the Assistant Secretaries shall be the
5 Assistant Secretary for Energy, Installations, and Envi-
6 ronment.

7 “(B) The principal duty of the Assistant Secretary
8 for Energy, Installations, and Environment shall be the
9 overall supervision of installation, energy, and environ-
10 ment matters for the Department of the Navy.”.

11 (c) ASSISTANT SECRETARY OF THE AIR FORCE.—
12 Section 9016(b) of title 10, United States Code, is amend-
13 ed by adding at the end the following new paragraph:

14 “(5)(A) One of the Assistant Secretaries shall be the
15 Assistant Secretary for Installations, Environment, and
16 Energy.

17 “(B) The principal duty of the Assistant Secretary
18 for Installations, Environment, and Energy shall be the
19 overall supervision of installation, energy, and environ-
20 ment matters for the Department of the Air Force.”.

21 **SEC. 912. LIMITATION ON AVAILABILITY OF FUNDS FOR**
22 **CONSOLIDATION OF DEFENSE MEDIA ACTIV-**
23 **ITY.**

24 None of the funds authorized to be appropriated by
25 this Act or otherwise made available for fiscal year 2020

1 for the Department of Defense may be used to consolidate
2 the Defense Media Activity until a period of 180 days has
3 elapsed following the date of the enactment of this Act.

4 **SEC. 913. MODERNIZATION OF CERTAIN FORMS AND SUR-**
5 **VEYS.**

6 (a) **STUDY.**—The Secretary of Defense shall conduct
7 a study to identify each form and survey of the Depart-
8 ment of Defense, in use on the date of the enactment of
9 this Act, that contains a term or classification that the
10 Secretary determines may be considered racially or eth-
11 nically insensitive.

12 (b) **REPORTS.**—

13 (1) **INTERIM REPORTS.**—On the date that is 90
14 days after the date of the enactment of this Act, and
15 on the date that is 180 days after such date of en-
16 actment, the Secretary shall submit to the Commit-
17 tees on Armed Services of the House of Representa-
18 tives and the Senate a report on the status of the
19 study conducted under subsection (a).

20 (2) **FINAL REPORT.**—Not later than one year
21 after the date of the enactment of this Act, the Sec-
22 retary shall submit to the Committees on Armed
23 Services of the House of Representatives and the
24 Senate a report on the results of the study con-
25 ducted under subsection (a) that includes—

1 (A) a list of each form and survey identi-
2 fied under such study; and

3 (B) a plan for modernizing the terms and
4 classifications contained in such forms and sur-
5 veys, including legislative recommendations.

6 (c) MODERNIZATION REQUIRED.—Not later than 18
7 months after the date of the enactment of this Act, the
8 Secretary shall carry out the plan included in the report
9 submitted under subsection (b).

10 **Subtitle C—Space Matters**

11 **PART I—UNITED STATES SPACE CORPS**

12 **SEC. 921. ESTABLISHMENT OF UNITED STATES SPACE** 13 **CORPS IN THE DEPARTMENT OF THE AIR** 14 **FORCE.**

15 (a) ESTABLISHMENT.—Part I of subtitle D of title
16 10, United States Code, is amended by adding at the end
17 the following new chapter:

18 **“CHAPTER 909—THE SPACE CORPS**

“Sec.

“9091. Establishment of the Space Corps.

“9093. Commandant of the Space Corps.

“9095. Officer career field for space.

19 **“§ 9091. Establishment of the Space Corps**

20 “(a) ESTABLISHMENT.—There is established a
21 United States Space Corps as an armed force within the
22 Department of the Air Force.

1 “(b) COMPOSITION.—(1) The Space Corps shall be
2 composed of the following:

3 “(A) The Commandant of the Space Corps.

4 “(B) The space forces and such assets as may
5 be organic therein.

6 “(2)(A) The space forces specified in paragraph
7 (1)(B) shall include the personnel and assets of the Air
8 Force transferred to the Space Corps pursuant to the Na-
9 tional Defense Authorization Act for Fiscal Year 2020.

10 “(B) The space forces specified in paragraph (1)(B)
11 may not include the personnel or assets of the National
12 Reconnaissance Office or the National Geospatial-Intel-
13 ligence Agency. Nothing in this section shall affect the au-
14 thorities, duties, or responsibilities of the Director of the
15 National Reconnaissance Office and the Director of the
16 National Geospatial-Intelligence Agency, including with
17 respect to the authority of each such Director to—

18 “(i) carry out the research, development, test,
19 and evaluation and procurement of satellites and
20 user satellite terminals of the Defense Agency of the
21 Director;

22 “(ii) operate such terminals; and

23 “(iii) develop requirements to ensure that the
24 space programs of the Department of Defense sup-
25 port the mission of the Director.

1 “(c) FUNCTIONS.—The Space Corps shall be orga-
2 nized, trained, and equipped to provide—

3 “(1) freedom of operation for the United States
4 in, from, and to space; and

5 “(2) prompt and sustained space operations.

6 “(d) DUTIES.—It shall be the duty of the Space
7 Corps to—

8 “(1) protect the interests of the United States
9 in space;

10 “(2) deter aggression in, from, and to space;
11 and

12 “(3) conduct space operations.

13 “(e) ACQUISITION SYSTEM.—(1) The Secretary of
14 the Air Force may establish a separate, alternative acqui-
15 sition system for defense space acquisitions, including with
16 respect to procuring space vehicles, ground segments re-
17 lating to such vehicles, and satellite terminals, pursuant
18 to the plan specified in paragraph (2).

19 “(2) The Deputy Secretary of Defense shall develop
20 the plan, and submit such plan to the congressional de-
21 fense committees, under section 1601(b) of the John S.
22 McCain National Defense Authorization Act for Fiscal
23 Year 2019 (Public Law 115–232; 132 Stat. 2103).

24 “(3) The alternative acquisition system under para-
25 graph (1) shall cover defense space acquisitions except

1 with respect to the National Reconnaissance Office and
2 other elements of the Department of Defense that are ele-
3 ments of the intelligence community (as defined in section
4 3 of the National Security Act of 1947 (50 U.S.C. 3003)).

5 “(f) PERSONNEL DEVELOPMENT.—(1) The Sec-
6 retary may ensure the quality of the members of the Space
7 Corps pursuant to the plan specified in paragraph (2) and
8 section 9095 of this title.

9 “(2) The Secretary shall develop the plan, and submit
10 such plan to the congressional defense committees, under
11 section 1601(c) of the John S. McCain National Defense
12 Authorization Act for Fiscal Year 2019 (Public Law 115–
13 232; 132 Stat. 2103).

14 “(3) In carrying out paragraph (1), the Secretary
15 shall address the following:

16 “(A) Managing the career progression of mem-
17 bers of the Space Corps and civilian employees of
18 the Space Corps throughout the military or civilian
19 career of the member or the employee, as the case
20 may be, including with respect to—

21 “(i) defining career professional mile-
22 stones;

23 “(ii) pay and incentive structures;

24 “(iii) the management and oversight of the
25 Space Corps;

1 “(iv) training relating to planning and exe-
2 cuting warfighting missions and operations in
3 space;

4 “(v) conducting periodic Space Corps-wide
5 professional assessments to determine how the
6 Space Corps is developing as a group; and

7 “(vi) establishing a centralized method to
8 control personnel assignments and distribution.

9 “(B) The identification of future space-related
10 career fields that the Secretary determines appro-
11 priate, including a space acquisition career field.

12 “(C) The identification of any overlap that ex-
13 ists among operations and acquisitions career fields
14 to determine opportunities for cross-functional ca-
15 reer opportunities.

16 **“§ 9093. Commandant of the Space Corps**

17 “(a) APPOINTMENT.—(1) There is a Commandant of
18 the Space Corps, appointed by the President, by and with
19 the advice and consent of the Senate, from the general
20 officers of the Air Force. The Commandant serves at the
21 pleasure of the President.

22 “(2) The Commandant shall be appointed for a term
23 of four years. In time of war or during a national emer-
24 gency declared by Congress, the Commandant may be re-
25 appointed for a term of not more than four years.

1 “(b) GRADE.—The Commandant, while so serving,
2 has the grade of general without vacating the permanent
3 grade of the officer.

4 “(c) RELATIONSHIP TO THE SECRETARY OF THE AIR
5 FORCE.—Except as otherwise prescribed by law and sub-
6 ject to section 9013(f) of this title, the Commandant per-
7 forms the duties of such position under the authority, di-
8 rection, and control of the Secretary of the Air Force and
9 is directly responsible to the Secretary.

10 “(d) DUTIES.—Subject to the authority, direction,
11 and control of the Secretary of the Air Force, the Com-
12 mandant shall—

13 “(1) exercise supervision, consistent with the
14 authority assigned to commanders of unified or spec-
15 ified combatant commands under chapter 6 of this
16 title, over such of the members and organizations of
17 the Space Corps as the Secretary determines; and

18 “(2) perform such other military duties, not
19 otherwise assigned by law, as are assigned to the
20 Commandant by the President, the Secretary of De-
21 fense, or the Secretary of the Air Force.

22 “(e) JOINT CHIEFS OF STAFF.—(1) The Com-
23 mandant shall also perform the duties prescribed for the
24 Commandant as a member of the Joint Chiefs of Staff
25 under section 151 of this title.

1 “(2) To the extent that such action does not impair
2 the independence of the Commandant in the performance
3 of the duties of the Commandant as a member of the Joint
4 Chiefs of Staff, the Commandant shall inform the Sec-
5 retary of the Air Force regarding military advice rendered
6 by members of the Joint Chiefs of Staff on matters affect-
7 ing the Department of the Air Force.

8 “(3) Subject to the authority, direction, and control
9 of the Secretary of Defense, the Commandant shall keep
10 the Secretary of the Air Force fully informed of significant
11 military operations affecting the duties and responsibilities
12 of the Secretary.”.

13 (d) CONFORMING AMENDMENTS.—

14 (1) JOINT CHIEFS OF STAFF.—

15 (A) MEMBERSHIP.—Section 151(a) of title
16 10, United States Code, is amended—

17 (i) by redesignating paragraph (7) as
18 paragraph (8); and

19 (ii) by inserting after paragraph (6)
20 the following new paragraph:

21 “(7) The Commandant of the Space Corps.”.

22 (B) APPOINTMENT.—Section 152(b)(1)(B)
23 of such title is amended by striking “or the
24 Commandant of the Marine Corps” and insert-

1 ing “the Commandant of the Marine Corps, or
2 the Commandant of the Space Corps”.

3 (2) OFFICER CAREERS.—Chapter 907 of such
4 title is amended as follows:

5 (A) In section 9084, by striking “officers
6 in the Air Force” and inserting “officers in the
7 Space Corps”.

8 (B) By transferring section 9084, as
9 amended by subparagraph (A), to chapter 909
10 and redesignating such section as section 9095.

11 (C) In the table of sections, by striking the
12 item relating to section 9084.

13 (3) SECRETARY OF THE AIR FORCE.—Section
14 9013 of such title is amended—

15 (A) in subsection (f), by inserting “and
16 Space Corps” after “Officers of the Air Force”;
17 and

18 (B) in subsection (g)(1), by inserting “and
19 Space Corps” after “members of the Air
20 Force”.

21 (4) DEFINITIONS.—Section 101 of such title is
22 amended—

23 (A) in subsection (a)—

1 (i) in paragraph (4), by inserting
2 “Space Corps,” after “Marine Corps,”;
3 and

4 (ii) in paragraph (9)(C), by inserting
5 “and the Space Corps” after “concerning
6 the Air Force”; and

7 (B) in subsection (b)—

8 (i) in paragraph (4), by striking “or
9 Marine Corps” and inserting “Marine
10 Corps, or Space Corps”; and

11 (ii) in paragraph (13), by striking “or
12 Marine Corps” and inserting “Marine
13 Corps, or Space Corps”.

14 (e) CLERICAL AMENDMENT.—The table of chapters
15 for part I of subtitle D of title 10, United States Code,
16 is amended by adding at the end the following new item:

“909. The Space Corps”.

17 **SEC. 922. TRANSFER OF PERSONNEL, FUNCTIONS, AND AS-**
18 **SETS TO THE SPACE CORPS.**

19 (a) TRANSFERS.—

20 (1) TRANSFER OF MILITARY PERSONNEL.—

21 (A) IN GENERAL.—The Secretary of De-
22 fense shall, during the transition period, trans-
23 fer all covered military personnel to the Space
24 Corps.

1 (B) RETENTION IN GRADE AND STATUS.—

2 Covered military personnel transferred to the
3 Space Corps pursuant to subparagraph (A)
4 shall retain the grade and date of obtaining
5 such grade that the individual person had be-
6 fore the date of the transfer unless otherwise
7 altered or terminated in accordance with law.

8 (2) TRANSFER OF FUNCTIONS.—Except as oth-
9 erwise directed by the Secretary of Defense, all func-
10 tions, assets, and obligations of the space elements
11 of the Air Force (including all property, records, in-
12 stallations, activities, facilities, agencies, and
13 projects of such elements) shall be transferred to the
14 Space Corps.

15 (b) CONFORMING REPEAL.—

16 (1) IN GENERAL.—Chapter 135 of title 10,
17 United States Code, is amended by striking section
18 2279e.

19 (2) CLERICAL AMENDMENT.—The table of sec-
20 tions at the beginning of such chapter is amended
21 by striking the item relating to section 2279e.

22 (3) EFFECTIVE DATE.—The amendments made
23 by paragraphs (1) and (2) shall take effect on the
24 date on which the transition period terminates, as
25 determined by the Secretary of Defense in accord-

1 ance with subsection (c), which date shall be not
2 later than December 30, 2023.

3 (c) NOTICE TO CONGRESS.—Not later than 30 days
4 before the date on which the transition period terminates,
5 the Secretary of Defense shall submit to the congressional
6 defense committees a certification that identifies the date
7 on which transition period will terminate.

8 (d) DEFINITIONS.—In this section:

9 (1) The term “covered military personnel”
10 means commissioned officers and enlisted members
11 of the space elements of the Air Force who are as-
12 signed to such elements as of the date on which such
13 officers and members are transferred under sub-
14 section (a)(1).

15 (2) The term “transition period” means a pe-
16 riod prescribed by the Secretary of Defense that—

17 (A) begins on January 1, 2021; and

18 (B) ends not later than December 30,
19 2023.

20 **SEC. 923. REPORTS ON SPACE CORPS.**

21 (a) REPORT ON STRUCTURE OF SPACE CORPS.—

22 (1) IN GENERAL.—The Secretary of Defense
23 shall submit to the congressional defense committees
24 a report that includes a detailed plan for the organi-
25 zational structure of the Space Corps.

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

3 (A) a detailed description of the structure
4 and organizational elements required for the
5 Space Corps to perform its mission;

6 (B) a detailed description of the organiza-
7 tion and staff required to support the Com-
8 mandant of the Space Corps;

9 (C) a detailed explanation of how establish-
10 ment of the Space Corps is expected to affect
11 the composition and function of the space ele-
12 ments of the Armed Forces;

13 (D) a description of how the Space Corps
14 will be organized, trained, and equipped;

15 (E) a description of how the Space Corps
16 will exercise acquisition authorities;

17 (F) a description of how the Space Corps
18 will coordinate with the United States Space
19 Command, the Space Development Agency, and
20 other space elements of the Armed Forces; and

21 (G) any other matters determined to be
22 appropriate by the Secretary.

23 (b) REPORT ON MILITARY PERSONNEL.—

24 (1) IN GENERAL.—The Secretary of Defense
25 shall submit to the congressional defense committees

1 a report on the military personnel requirements of
2 the Space Corps.

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

5 (A) a detailed plan setting forth—

6 (i) the proposed military personnel
7 composition and structure of the Space
8 Corps; and

9 (ii) plans for the transfer or reassign-
10 ment of military personnel from the space
11 elements of the Armed Forces to the Space
12 Corps;

13 (B) the number of officer and enlisted per-
14 sonnel to be transferred or reassigned to the
15 Space Corps by functional area;

16 (C) a detailed description of the billet re-
17 quirements for the Space Corps, including the
18 staff organizational and rank structure; and

19 (D) the number of additional officer and
20 enlisted billets that will be required for the
21 Space Corps and a description of such billets.

22 (c) REPORT ON CIVILIAN PERSONNEL.—

23 (1) IN GENERAL.—The Secretary of Defense
24 shall submit to the congressional defense committees

1 a report on the civilian personnel requirements of
2 the Space Corps.

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

5 (A) an assessment of the projected size of
6 the civilian workforce of the Space Corps in fis-
7 cal year 2021 and in each fiscal year covered by
8 the most recent future-years defense program
9 submitted to Congress under section 221 of
10 title 10, United States Code;

11 (B) a detailed explanation of any projected
12 changes to the size of the civilian workforce of
13 the Space Corps from year-to-year; and

14 (C) a detailed plan for the transfer of civil-
15 ian personnel from the space elements of the
16 Armed Forces to the Space Corps.

17 (d) REPORT ON TRANSFER OF FUNCTIONS AND AS-
18 SETS.—

19 (1) IN GENERAL.—The Secretary of Defense
20 shall submit to the congressional defense committees
21 a report that includes a detailed plan for the trans-
22 fer of the functions, assets, and obligations of the
23 space elements of the Armed Forces (including any
24 property, records, installations, activities, facilities,

1 agencies, and projects of such elements) to the
2 Space Corps in accordance with section 922.

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

5 (A) a detailed list of the functions and as-
6 sets to be transferred;

7 (B) a justification for each transfer pro-
8 posed to be made under subparagraph (A);

9 (C) the location and value of each item
10 proposed to be transferred under subparagraph
11 (A); and

12 (D) the date on which each item is ex-
13 pected to be transferred.

14 (e) REPORT ON FUNDING REQUIREMENTS.—

15 (1) IN GENERAL.—The Secretary of Defense
16 shall submit to the congressional defense committees
17 a report on the funding requirements for the Space
18 Corps.

19 (2) ELEMENTS.—The report required under
20 paragraph (1) shall include a detailed estimate of
21 the funding that will be required to establish the
22 Space Corps and to conduct the activities and oper-
23 ations of the Corps, including estimated expendi-
24 tures and proposed appropriations for each of fiscal
25 years 2021 through 2025 as follows:

1 (A) With respect to procurement ac-
2 counts—

3 (i) amounts displayed by account,
4 budget activity, line number, line item, and
5 line item title; and

6 (ii) a description of the requirements
7 for each such amount specific to the Space
8 Corps.

9 (B) With respect to research, development,
10 test, and evaluation accounts—

11 (i) amounts displayed by account,
12 budget activity, line number, program ele-
13 ment, and program element title; and

14 (ii) a description of the requirements
15 for each such amount specific to the Space
16 Corps.

17 (C) With respect to operation and mainte-
18 nance accounts—

19 (i) amounts displayed by account title,
20 budget activity title, line number, and sub-
21 activity group title; and

22 (ii) a description of how such amounts
23 will specifically be used.

24 (D) With respect to military personnel ac-
25 counts—

1 (i) amounts displayed by account,
2 budget activity, budget sub-activity, and
3 budget sub-activity title; and

4 (ii) a description of the requirements
5 for each such amount specific to the Space
6 Corps.

7 (E) With respect to each project under
8 military construction accounts (including with
9 respect to unspecified minor military construc-
10 tion and amounts for planning and design), the
11 country, location, project title, and project
12 amount by fiscal year.

13 (F) With respect to any expenditures and
14 proposed appropriations not included the mate-
15 rials submitted under subparagraphs (A)
16 through (E), an explanation with a level of de-
17 tail equivalent to or greater than the level of de-
18 tail provided in the future-years defense pro-
19 gram submitted to Congress under section 221
20 of title 10, United States Code.

21 (3) FORM OF REPORT.—The report required by
22 paragraph (1) shall be submitted in unclassified
23 form, but may include a classified annex.

24 (f) DEADLINE FOR SUBMITTAL.—Each of the reports
25 required under subsections (a) through (e) shall be sub-

1 mitted to the congressional defense committees not later
2 than February 1, 2020.

3 **SEC. 924. SPACE NATIONAL GUARD.**

4 The Secretary of Defense may not transfer any per-
5 sonnel or resources from any reserve components, includ-
6 ing the National Guard, to the Space Corps established
7 by section 921 until the date on which a Space National
8 Guard of the United States has been established by law.

9 **SEC. 925. EFFECTS ON MILITARY INSTALLATIONS.**

10 Nothing in this part, or the amendments made by
11 this part, shall be construed to authorize or require the
12 relocation of any facility, infrastructure, or military instal-
13 lation of the Air Force.

14 **PART II—OTHER SPACE MATTERS**

15 **SEC. 931. UNITED STATES SPACE COMMAND.**

16 (a) RESTORATION OF GENERAL AUTHORITY FOR ES-
17 TABLISHMENT OF UNIFIED COMMAND.—

18 (1) IN GENERAL.—Section 169 of title 10,
19 United States Code, is repealed.

20 (2) CLERICAL AMENDMENT.—The table of sec-
21 tions at the beginning of chapter 6 of title 10,
22 United States Code, is amended by striking the item
23 relating to section 169.

24 (b) CONFORMING AMENDMENT.—Section
25 2273a(d)(3) of title 10, United States Code, is amended

1 by striking “The Commander of the United States Stra-
2 tegic Command, acting through the United States Space
3 Command,” and inserting “The Commander of the United
4 States Space Command, or, if no such command exists,
5 the Commander of the United States Strategic Com-
6 mand,”.

7 **TITLE X—GENERAL PROVISIONS**

8 **Subtitle A—Financial Matters**

9 **SEC. 1001. GENERAL TRANSFER AUTHORITY.**

10 (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

11 (1) **AUTHORITY.**—Upon determination by the
12 Secretary of Defense that such action is necessary in
13 the national interest, the Secretary may transfer
14 amounts of authorizations made available to the De-
15 partment of Defense in this division for fiscal year
16 2019 between any such authorizations for that fiscal
17 year (or any subdivisions thereof). Amounts of au-
18 thorizations so transferred shall be merged with and
19 be available for the same purposes as the authoriza-
20 tion to which transferred.

21 (2) **LIMITATION.**—Except as provided in para-
22 graph (3), the total amount of authorizations that
23 the Secretary may transfer under the authority of
24 this section may not exceed \$1,000,000,000.

1 (3) EXCEPTION FOR TRANSFERS BETWEEN
2 MILITARY PERSONNEL AUTHORIZATIONS.—A trans-
3 fer of funds between military personnel authoriza-
4 tions under title IV shall not be counted toward the
5 dollar limitation in paragraph (2).

6 (b) LIMITATIONS.—The authority provided by sub-
7 section (a) to transfer authorizations—

8 (1) may only be used to provide authority for
9 items that have a higher priority than the items
10 from which authority is transferred; and

11 (2) may not be used to provide authority for an
12 item that has been denied authorization by Con-
13 gress.

14 (c) ADDITIONAL LIMITATION ON TRANSFERS FOR
15 DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES.—
16 The authority provided by subsection (a) may not be used
17 to transfer any amount to Drug Interdiction and Counter
18 Drug Activities, Defense-wide.

19 (d) EFFECT ON AUTHORIZATION AMOUNTS.—A
20 transfer made from one account to another under the au-
21 thority of this section shall be deemed to increase the
22 amount authorized for the account to which the amount
23 is transferred by an amount equal to the amount trans-
24 ferred.

1 (e) NOTICE TO CONGRESS.—The Secretary shall
2 promptly notify Congress of each transfer made under
3 subsection (a).

4 (f) CERTIFICATION REQUIREMENT.—The authority
5 to transfer any authorization under this section may not
6 be used until the Secretary of Defense and the head of
7 each entity affected by such transfer submits to the con-
8 gressional defense committees certification in writing
9 that—

10 (1) the amount transferred will be used for
11 higher priority items, based on unforeseen military
12 requirements, than the items from which authority is
13 transferred; and

14 (2) the amount transferred will not be used for
15 any item for which funds have been denied author-
16 ization by Congress.

17 **SEC. 1002. ADDITIONAL REQUIREMENTS FOR ANNUAL RE-**
18 **PORT AND BRIEFING ON FINANCIAL IM-**
19 **PROVEMENT AND AUDIT REMEDIATION**
20 **PLAN.**

21 Section 240b(b) of title 10, United States Code, is
22 amended—

23 (1) in paragraph (1)(B)(iv), by adding at the
24 end the following new subclause:

1 “(IV) A current accounting of
2 the defense business systems of the
3 Department of Defense that will be
4 introduced, replaced, updated, modi-
5 fied, or retired in connection with the
6 audit of the full financial statements
7 of the Department, including a com-
8 prehensive roadmap that displays—

9 “(aa) in-service, retirement,
10 and other pertinent dates for af-
11 fectured defense business systems;

12 “(bb) current cost-to-com-
13 plete estimates for each affected
14 system; and

15 “(cc) dependencies both be-
16 tween the various defense busi-
17 ness systems and between the in-
18 troduction, replacement, update,
19 modification, and retirement of
20 such systems.”;

21 (2) in paragraph (2), by adding at the end the
22 following new sentence: “Such briefing shall also in-
23 clude a description of any updates to the defense
24 business systems roadmap referred to in paragraph
25 (1)(B)(iv)(IV).”; and

1 (3) by amending paragraph (3) to read as fol-
2 lows:

3 “(3) DEFINITIONS.—In this subsection:

4 “(A) The term ‘critical capabilities’ means
5 the critical capabilities described in the Depart-
6 ment of Defense report titled ‘Financial Im-
7 provement and Audit Readiness (FIAR) Plan
8 Status Report’ and dated May 2016.

9 “(B) The term ‘defense business system’
10 has the meaning given such term in section
11 2222(i)(1)(A) of this title.”.

12 **SEC. 1003. FINANCIAL IMPROVEMENT AND AUDIT REMEDI-**
13 **ATION PLAN.**

14 (a) ELEMENTS OF ANNUAL REPORT.—Subsection
15 (b)(1)(B) of section 240b of title 10, United States Code,
16 is amended—

17 (1) in clause (vii)—

18 (A) by striking “or if less than 50 percent
19 of the audit remediation services”; and

20 (B) by striking “and audit remediation ac-
21 tivities”; and

22 (2) in clause (viii), by striking “or if less than
23 25 percent of the audit remediation services”.

1 (b) SEMIANNUAL BRIEFINGS.—Subsection (b)(2) of
2 such section is amended by striking “or audit remedi-
3 ation”.

4 (c) AUDIT REMEDIATION SERVICES.—Subsection (b)
5 of such section is further amended—

6 (1) in paragraph (1)(B), by adding at the end
7 the following new clauses:

8 “(ix) If less than 50 percent of the
9 audit remediation services under contract,
10 as described in the briefing required under
11 paragraph (2)(B), are being performed by
12 individual professionals meeting the quali-
13 fications described in subsection (c), a de-
14 tailed description of the risks associated
15 with the risks of the acquisition strategy of
16 the Department with respect to conducting
17 audit remediation activities and an expla-
18 nation of how the strategy complies with
19 the policies expressed by Congress.

20 “(x) If less than 25 percent of the
21 audit remediation services under contract,
22 as described in the briefing required under
23 paragraph (2)(B), are being performed by
24 individual professionals meeting the quali-
25 fications described in subsection (c), a

1 written certification that the staffing ratio
2 complies with commercial best practices
3 and presents no increased risk of delay in
4 the Department's ability to achieve a clean
5 audit opinion.”; and

6 (2) in paragraph (2)—

7 (A) by striking “Not later” and inserting

8 “(A) Not later”; and

9 (B) by adding at the end the following new
10 subparagraph:

11 “(B) Not later than January 31 and June 30
12 each year, the Under Secretary of Defense (Comp-
13 troller) and the comptrollers of the military depart-
14 ments shall provide a briefing to the congressional
15 defense committees on the status of the corrective
16 action plan. Such briefing shall include both the ab-
17 solute number and percentage of personnel per-
18 forming the amount of audit remediation services
19 being performed by professionals meeting the quali-
20 fications described in subsection (c).”.

21 (d) SELECTION OF AUDIT REMEDIATION SERV-
22 ICES.—Such section is further amended by adding at the
23 end the following new subsection:

24 “(e) SELECTION OF AUDIT REMEDIATION SERV-
25 ICES.—The selection of audit remediation service pro-

1 viders shall be based, among other appropriate criteria,
2 on qualifications, relevant experience, and capacity to de-
3 velop and implement corrective action plans to address in-
4 ternal control and compliance deficiencies identified dur-
5 ing a financial statement or program audit.”.

6 **SEC. 1004. REPORTING REQUIREMENTS RELATING TO DE-**
7 **PARTMENT OF DEFENSE AUDITS.**

8 (a) ANNUAL REPORT.—

9 (1) IN GENERAL.—Chapter 9A of title 10,
10 United States Code, is amended by adding at the
11 end the following new section:

12 **“§ 240g. Annual report on auditable financial state-**
13 **ments**

14 “(a) IN GENERAL.—Not later than January 30 of
15 each year, the Secretary of Defense shall submit to the
16 congressional defense committees a report ranking each
17 of the military departments and Defense Agencies in order
18 of how advanced they are in achieving auditable financial
19 statements as required by law. In preparing the report,
20 the Secretary shall seek to exclude information that is oth-
21 erwise available in other reports to Congress.

22 “(b) BOTTOM QUARTILE.—Not later than June 30
23 of each year, the head of each of the military departments
24 and Defense Agencies that were ranked in the bottom
25 quartile of the report submitted under subsection (a) for

1 that year shall submit to the congressional defense com-
2 mittees a report that includes the following information
3 for that military department or Defense Agency:

4 “(1) A description of the material weaknesses
5 of the military department or Defense Agency.

6 “(2) The underlying causes of such weaknesses.

7 “(3) A plan for remediating such weaknesses.”.

8 (2) CLERICAL AMENDMENT.—The table of sec-
9 tions at the beginning of such chapter is amended
10 by adding at the end the following new item:

“240g. Annual report on auditable financial statements.”.

11 (b) LIMITATION ON USE OF FUNDS.—Of the
12 amounts authorized to be appropriated or otherwise made
13 available by this Act for travel of persons for the head
14 of a military department or Defense Agency described in
15 subsection (b) of section 240g of title 10, United States
16 Code, as added by subsection (a), for fiscal year 2020,
17 not more than 80 percent may be obligated or expended
18 before the submittal of the report required under that sub-
19 section for that military department or Defense Agency.

20 (c) PLAN FOR ACHIEVING UNMODIFIED AUDIT OPIN-
21 ION ON CONSOLIDATED AUDIT.—

22 (1) REPORT REQUIRED.—Not later than 90
23 days after the date of the enactment of this Act, the
24 Secretary of Defense shall submit to the congress-
25 sional defense committees a report containing the

1 plan of the Secretary for achieving an unmodified
2 audit opinion of the Department of Defense-wide
3 consolidated audit by not later than five years after
4 the date of the enactment of this Act.

5 (2) LIMITATION ON USE OF FUNDS.—Of the
6 amounts authorized to be appropriated or otherwise
7 made available by this Act for Operation and Main-
8 tenance, Defense-Wide, Office of the Secretary of
9 Defense, for Travel of Persons for fiscal year 2020,
10 not more than 70 percent may be obligated or ex-
11 pended before the date on which the Secretary sub-
12 mits the report required under paragraph (1).

13 **SEC. 1005. ANNUAL BUDGET JUSTIFICATION DISPLAY FOR**
14 **SERVICE-COMMON AND OTHER SUPPORT**
15 **AND ENABLING CAPABILITIES FOR SPECIAL**
16 **OPERATIONS FORCES.**

17 (a) IN GENERAL.—Chapter 9 of title 10, United
18 States Code, is amended by inserting after section 225 the
19 following new section:

20 **“§ 226. Special operations forces: display of service-**
21 **common and other support and enabling**
22 **capabilities**

23 “(a) IN GENERAL.—The Secretary shall include, in
24 the budget materials submitted to Congress under section
25 1105 of title 31 for fiscal year 2021 and any subsequent

1 fiscal year, a consolidated budget justification display
2 showing service-common and other support and enabling
3 capabilities for special operations forces requested by a
4 military service or Defense Agency. Such budget justifica-
5 tion display shall include any amount for service-common
6 or other capability development and acquisition, training,
7 operations, pay, base operations sustainment, and other
8 common services and support.

9 “(b) SERVICE-COMMON AND OTHER SUPPORT AND
10 ENABLING CAPABILITIES.—In this section, the term ‘serv-
11 ice-common and other support and enabling capabilities’
12 means capabilities provided in support of special oper-
13 ations that are not reflected in Major Force Program-11
14 or designated as special operations forces-peculiar.”.

15 (b) CLERICAL AMENDMENT.—The table of sections
16 at the beginning of such chapter is amended by inserting
17 after the item relating to section 225 the following new
18 item:

“226. Special operations forces: display of service-common programs and activi-
ties.”.

19 **SEC. 1006. DETERMINATION OF BUDGETARY EFFECTS.**

20 The budgetary effects of this Act, for the purpose of
21 complying with the Statutory Pay-As-You-Go Act of 2010,
22 shall be determined by reference to the latest statement
23 titled “Budgetary Effects of PAYGO Legislation” for this
24 Act, submitted for printing in the Congressional Record

1 by the Chairman of the House Budget Committee, pro-
2 vided that such statement has been submitted prior to the
3 vote on passage.

4 **SEC. 1007. INDEPENDENT PUBLIC ACCOUNTANT AUDIT OF**
5 **FINANCIAL SYSTEMS OF THE DEPARTMENT**
6 **OF DEFENSE.**

7 The Secretary of Defense shall ensure that each
8 major implementation of, or modification to, a financial
9 system of the Department of Defense is reviewed by an
10 independent public accountant to validate that such finan-
11 cial system will meet any applicable Federal requirements.

12 **Subtitle B—Counterdrug Activities**

13 **SEC. 1011. MODIFICATION OF AUTHORITY TO PROVIDE**
14 **SUPPORT TO OTHER AGENCIES FOR**
15 **COUNTERDRUG ACTIVITIES AND ACTIVITIES**
16 **TO COUNTER TRANSNATIONAL ORGANIZED**
17 **CRIME.**

18 (a) TYPES OF SUPPORT.—Paragraph (7) of sub-
19 section (b) of section 284 of title 10, United States Code,
20 is amended—

21 (1) by striking “and fences”; and

22 (2) by striking “to block” and inserting
23 “along”.

24 (b) CONGRESSIONAL NOTIFICATION.—Subsection
25 (h)(1) of such section is amended—

1 (1) by redesignating subparagraphs (A) and
2 (B) as subparagraphs (B) and (C), respectively; and

3 (2) by inserting before subparagraph (B), as so
4 redesignated, the following new subparagraph (A):

5 “(A) In case of support for a purpose de-
6 scribed in subsection (b)—

7 “(i) an identification of the recipient
8 of the support;

9 “(ii) a description of the support pro-
10 vided;

11 “(iii) a description of the sources and
12 amounts of funds used to provide such
13 support;

14 “(iv) a description of the amount of
15 funds obligated to provide such support;

16 “(v) an assessment of the efficacy and
17 cost-effectiveness of such support in ad-
18 vancing the objectives and strategy of the
19 department or agency to which the support
20 will be provided;

21 “(vi) any document describing a re-
22 quest for assistance from any other depart-
23 ment or agency of the United States and
24 any response to such a request from an-
25 other department or agency of the United

1 States to which support will be provided;
2 and
3 “(vii) in the case of any support for a
4 purpose described under subsection (b)(7),
5 metrics and analysis that establish that an
6 area is a drug smuggling corridor.”.

7 **SEC. 1012. TECHNICAL CORRECTION AND EXTENSION OF**
8 **REPORTING REQUIREMENT REGARDING EN-**
9 **HANCEMENT OF INFORMATION SHARING**
10 **AND COORDINATION OF MILITARY TRAINING**
11 **BETWEEN DEPARTMENT OF HOMELAND SE-**
12 **CURITY AND DEPARTMENT OF DEFENSE.**

13 Section 1014 of the National Defense Authorization
14 Act for Fiscal Year 2017 (Public Law 114–328) is amend-
15 ed—

16 (1) by striking “section 371 of title 10, United
17 States Code” each place it appears and inserting
18 “section 271 of title 10, United States Code”; and

19 (2) in subsection (d)(3) by striking “January
20 31, 2020” and inserting “December 31, 2022”.

1 **SEC. 1013. REPEAL OF SECRETARY OF DEFENSE REVIEW OF**
2 **CURRICULA AND PROGRAM STRUCTURES OF**
3 **NATIONAL GUARD COUNTERDRUG SCHOOLS.**

4 Section 901 of the Office of National Drug Control
5 Policy Reauthorization Act of 2006 (Public Law 109–469;
6 32 U.S.C. 112 note) is amended—

7 (1) by striking subsection (e); and

8 (2) by redesignating subsections (f) through (h)
9 as subsections (e) through (g), respectively.

10 **Subtitle C—Naval Vessels and**
11 **Shipyards**

12 **SEC. 1021. TRANSPORTATION BY SEA OF SUPPLIES FOR**
13 **THE ARMED FORCES AND DEFENSE AGEN-**
14 **CIES.**

15 Section 2631 of title 10, United States Code, is
16 amended—

17 (1) in the first sentence of subsection (a), by in-
18 serting “or for a Defense Agency” after “Marine
19 Corps”; and

20 (2) in subsection (b)—

21 (A) by redesignating paragraphs (2) and
22 (3) as paragraphs (3) and (4), respectively;

23 (B) by inserting after paragraph (1) the
24 following new paragraph (2):

25 “(2) Before entering into a contract for the transpor-
26 tation by sea of fuel products under this section, the Sec-

1 retary shall provide a minimum variance of three days on
2 the shipment date.”; and

3 (C) in paragraph (4), as redesignated by
4 subparagraph (A), by striking “the requirement
5 described in paragraph (1)” and insert “a re-
6 quirement under paragraph (1) or (2)”.

7 **SEC. 1022. USE OF NATIONAL DEFENSE SEALIFT FUND FOR**
8 **PROCUREMENT OF TWO USED VESSELS.**

9 Pursuant to section 2218(f)(3) of title 10, United
10 States Code, and using amounts authorized to be appro-
11 priated for Operation and Maintenance, Navy, for fiscal
12 year 2020, the Secretary of the Navy shall seek to enter
13 into a contract for the procurement of two used vessels.

14 **SEC. 1023. FORMAL SCHOOLHOUSE TRAINING FOR SHIP-**
15 **BOARD SYSTEM PROGRAMS OF RECORD.**

16 (a) IN GENERAL.—The Secretary of the Navy shall
17 ensure that there is a formal schoolhouse available at
18 which training is provided in any shipboard system that
19 is program of record on Navy surface vessels.

20 (b) TIMELINE FOR IMPLEMENTATION.—

21 (1) CURRENT PROGRAMS.—In the case of any
22 shipboard system program of record that is in use
23 as of the date of the enactment of this Act for which
24 no formal schoolhouse is available, the Secretary
25 shall ensure that such a schoolhouse is available for

1 the provision of training in such program by not
2 later than 12 months after the date of the enact-
3 ment of this Act.

4 (2) FUTURE PROGRAMS.—In the case of any
5 shipboard system program of record that is first
6 used after the date of the enactment of this Act, the
7 Secretary shall ensure that a formal schoolhouse is
8 established for the provision of training in such pro-
9 gram by not later than 12 months after the date on
10 which the shipboard system program of record is
11 first used.

12 **SEC. 1024. REPORT ON SHIPBUILDER TRAINING AND THE**
13 **DEFENSE INDUSTRIAL BASE.**

14 Not later than 180 days after the date of the enact-
15 ment of this Act, the Secretary of Defense shall submit
16 to the Committees on Armed Services of the Senate and
17 House of Representatives a report on shipbuilder training
18 and hiring requirements necessary to achieve the Navy's
19 30-year shipbuilding plan and to maintain the ship-
20 building readiness of the defense industrial base. Such re-
21 port shall include each of the following:

22 (1) An analysis and estimate of the time and
23 investment required for new shipbuilders to gain
24 proficiency in particular shipbuilding occupational
25 specialties, including detailed information about the

1 occupational specialty requirements necessary for
2 construction of naval surface ship and submarine
3 classes to be included in the Navy's 30-year ship-
4 building plan.

5 (2) An analysis of the age demographics and
6 occupational experience level (measured in years of
7 experience) of the shipbuilding defense industrial
8 workforce.

9 (3) An analysis of the potential time and invest-
10 ment challenges associated with developing and re-
11 taining shipbuilding skills in organizations that lack
12 intermediate levels of shipbuilding experience.

13 (4) Recommendations concerning how to ad-
14 dress shipbuilder training during periods of demo-
15 graphic transition, including whether emerging tech-
16 nologies, such as augmented reality, may aid in new
17 shipbuilder training.

18 (5) Recommendations concerning how to en-
19 courage young adults to enter the defense ship-
20 building industry and to develop the skills necessary
21 to support the shipbuilding defense industrial base.

1 **Subtitle D—Counterterrorism**

2 **SEC. 1031. EXTENSION OF AUTHORITY FOR JOINT TASK**
3 **FORCES TO PROVIDE SUPPORT TO LAW EN-**
4 **FORCEMENT AGENCIES CONDUCTING**
5 **COUNTER-TERRORISM ACTIVITIES.**

6 (a) **EXTENSION.**—Subsection (b) of section 1022 of
7 the National Defense Authorization Act for Fiscal Year
8 2004 (Public Law 108–136; 10 U.S.C. 271 note) is
9 amended by striking “2020” and inserting “2022”.

10 (b) **TECHNICAL CORRECTIONS.**—Subsection (e) of
11 such section is amended—

12 (1) in paragraph (1), by inserting a period at
13 the end; and

14 (2) by adding at the end the following para-
15 graph (2):

16 “(2) For purposes of applying the definition of
17 transnational organized crime under paragraph (1) to this
18 section, the term ‘illegal means’, as it appears in such defi-
19 nition, includes the trafficking of money, human traf-
20 ficking, illicit financial flows, illegal trade in natural re-
21 sources and wildlife, trade in illegal drugs and weapons,
22 and other forms of illegal means determined by the Sec-
23 retary of Defense.”.

1 **SEC. 1032. 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, 2020,
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 (5) Mexico.
- 20 (6) Guatemala.
- 21 (7) Honduras.
- 22 (8) El Salvador.
- 23 (9) Venezuela.
- 24 (10) Cuba.
- 25 (11) Iran.
- 26 (12) Russia.

1 (13) North Korea.

2 **SEC. 1033. PROHIBITION ON USE OF FUNDS FOR TRANSFER**
3 **TO AND DETENTION OF ADDITIONAL INDI-**
4 **VIDUALS, INCLUDING UNITED STATES CITI-**
5 **ZENS, AT UNITED STATES NAVAL STATION,**
6 **GUANTANAMO BAY, CUBA.**

7 (a) PROHIBITION ON USE OF FUNDS.—No amounts
8 authorized to be appropriated or otherwise made available
9 to the Department of Defense may be used during the pe-
10 riod beginning on the date of the enactment of this Act
11 and ending on December 31, 2020, to—

12 (1) detain or provide assistance relating to the
13 detention of any individual, including any United
14 States citizen, pursuant to the law of war or a pro-
15 ceeding under chapter 47A of title 10, United States
16 Code, at United States Naval Station, Guantanamo
17 Bay, Cuba; or

18 (2) transfer or provide assistance relating to the
19 transfer of any individual, including any United
20 States citizen, for the purpose of detaining such in-
21 dividual pursuant to the law of war or a proceeding
22 under chapter 47A of title 10, United States Code,
23 at United States Naval Station, Guantanamo Bay,
24 Cuba.

1 (b) EXCEPTION.—The prohibition in subsection (a)
2 shall not apply to an individual who is or was detained
3 pursuant to the law of war or a Military Commissions Act
4 proceeding on or after May 2, 2018, at United States
5 Naval Station, Guantanamo Bay, Cuba, by the Depart-
6 ment of Defense.

7 (c) DISPOSITION PLAN.—Not later than 60 days
8 after the date of the enactment of this Act, the Attorney
9 General, in consultation with the Secretary of Defense,
10 shall submit to the congressional defense committees a
11 plan identifying a disposition, other than continued law
12 of war detention at United States Naval Station, Guanta-
13 namo Bay, Cuba, for each individual detained at United
14 States Naval Station, Guantanamo Bay, Cuba, as of the
15 date of the enactment of this Act.

16 **SEC. 1034. SENSE OF CONGRESS REGARDING THE PROVI-**
17 **SION OF MEDICAL CARE TO INDIVIDUALS DE-**
18 **TAINED AT UNITED STATES NAVAL STATION,**
19 **GUANTANAMO BAY, CUBA.**

20 (a) FINDINGS.—Congress makes the following find-
21 ings:

22 (1) The individuals detained at United States
23 Naval Station, Guantanamo Bay, Cuba, are aging,
24 and such individuals are increasingly subject to a

1 number of health conditions exacerbated by age and
2 the circumstances of their cases.

3 (2) Expeditionary medical treatment of individ-
4 uals detained at United States Naval Station, Guan-
5 tanamo Bay, Cuba, is logistically challenging and in-
6 creasingly costly, especially treatment related to
7 complex ailments that may become exacerbated with
8 age.

9 (3) Medical care at United States Naval Sta-
10 tion, Guantanamo Bay, Cuba, is likely to become an
11 increasing challenge for the United States Govern-
12 ment.

13 (4) Medical challenges at United States Naval
14 Station, Guantanamo Bay, Cuba, also cause difficul-
15 ties affecting the functions and processes of the mili-
16 tary commissions and periodic review boards.

17 (b) SENSE OF CONGRESS.—It is the sense of Con-
18 gress that—

19 (1) the United States has an ongoing obligation
20 to provide medical care to individuals detained at
21 United States Naval Station, Guantanamo Bay,
22 Cuba, meeting appropriate standards of care; and

23 (2) the Secretary of Defense should take into
24 account the standards of care provided at other rel-
25 evant facilities, including those administered by the

1 Federal Bureau of Prisons, in determining the poli-
2 cies of the Department of Defense regarding the
3 provision of medical care to individuals detained at
4 United States Naval Station, Guantanamo Bay,
5 Cuba.

6 **SEC. 1035. INDEPENDENT ASSESSMENT ON GENDER AND**
7 **COUNTERING VIOLENT EXTREMISM.**

8 (a) IN GENERAL.—The Secretary of Defense shall
9 seek to enter into a contract with a nonprofit entity or
10 a federally funded research and development center inde-
11 pendent of the Department of Defense to conduct research
12 and analysis on the intersection of gender and violent ex-
13 tremism and terrorism.

14 (b) ELEMENTS.—The research and analysis con-
15 ducted under subsection (a) shall include research and
16 analysis of the following:

17 (1) The root and proximate causes of women's
18 participation in terrorist and violent extremist orga-
19 nizations.

20 (2) Ways for the Department of Defense to en-
21 gage women and girls who are vulnerable to extrem-
22 ist and terrorist behavior.

23 (3) Ways women and girls can assist the Armed
24 Forces and partner military organizations in identi-
25 fying individuals of concern.

1 (4) The intersection of violent extremism and
2 terrorism and the following:

3 (A) Gender-based violence.

4 (B) Women's empowerment at the house-
5 hold level, such as property and inheritance
6 rights, bride-price and dowry, and the level of
7 societal sanction for the killing or harming of
8 women.

9 (C) Adolescent girls' empowerment, such
10 as the level of early, child, and forced marriage,
11 and of girls' access to secondary education.

12 (5) Best practices for the Armed Forces to sup-
13 port women preventing and countering violent extre-
14 mism and terrorism.

15 (6) Any other matters the Secretary of Defense
16 determines to be appropriate.

17 (c) UTILIZATION.—The Secretary of Defense shall
18 utilize the results of the research conducted under sub-
19 section (a) to inform each geographic combatant com-
20 mand's strategy report and individual country strategy re-
21 ports, where appropriate.

22 (d) REPORTS.—

23 (1) REPORT TO SECRETARY.—Not later than
24 one year after the date of the enactment of this Act,
25 the nonprofit entity or federally funded research and

1 development center with which the Secretary of De-
2 fense enters into contract under subsection (a) shall
3 submit to the Secretary of Defense a report that
4 contains the assessment required by subsection (a).

5 (2) REPORT TO CONGRESS.—Not later than two
6 years after the date of the enactment of this Act, the
7 Secretary of Defense shall submit to the congres-
8 sional defense committees a report on the results of
9 research conducted under subsection (a).

10 **Subtitle E—Miscellaneous** 11 **Authorities and Limitations**

12 **SEC. 1041. SCHEDULING OF DEPARTMENT OF DEFENSE EX-** 13 **ECUTIVE AIRCRAFT CONTROLLED BY SECRE-** 14 **TARIES OF MILITARY DEPARTMENTS.**

15 (a) IN GENERAL.—Chapter 2 of title 10, United
16 States Code, is amended by adding at the end the fol-
17 lowing new section:

18 **“§ 120. Department of Defense executive aircraft con-** 19 **trolled by Secretaries of military depart-** 20 **ments**

21 “(a) IN GENERAL.—The Secretary of Defense shall
22 ensure that the Chief of the Air Force Special Air Mission
23 Office is given the responsibility for scheduling all Depart-
24 ment of Defense executive aircraft controlled by the Secre-
25 taries of the military departments.

1 “(b) RESPONSIBILITIES.—(1) The Secretary of each
2 of the military departments shall ensure that there is rep-
3 resentation from each of the armed forces within the Air
4 Force Special Air Mission Office to provide for daily man-
5 agement and scheduling of the aircraft controlled by that
6 military department.

7 “(2) The Secretary of Defense shall be responsible
8 for resolving conflicts and arbitrating the allocation of air-
9 craft based on demand and priority.

10 “(c) LIMITATIONS.—(1) The Secretary of Defense
11 may not establish a new command and control organiza-
12 tion to support aircraft controlled by the Secretary of a
13 military department.

14 “(2) No aircraft controlled by the Secretary of a mili-
15 tary department may be permanently stationed at any lo-
16 cation without required users.

17 “(d) DEFINITIONS.—In this section:

18 “(1) The term ‘required use traveler’ has the
19 meaning given such term in Department of Defense
20 directive 4500.56, as in effect on the date of the en-
21 actment of this section.

22 “(2) The term ‘executive aircraft’ has the
23 meaning given such term in Department of Defense
24 directive 4500.43, as in effect on the date of the en-
25 actment of this section.”.

1 (b) CLERICAL AMENDMENT.—The table of sections
2 at the beginning of such chapter is amended by adding
3 at the end the following new item:

“120. Department of Defense executive aircraft controlled by Secretaries of military departments.”.

4 **SEC. 1042. EXPLOSIVE ORDNANCE DEFENSE DISPOSAL**
5 **PROGRAM.**

6 (a) ROLES, RESPONSIBILITIES, AND AUTHORITIES.—
7 Subsection (b) of section 2284 of title 10, United States
8 Code, is amended—

9 (1) in paragraph (1)—

10 (A) in subparagraph (B), by inserting
11 “and” after the semicolon;

12 (B) in subparagraph (C),

13 (i) by striking “joint program execu-
14 tive officer who” and inserting “training
15 and technology program that”;

16 (ii) by inserting “, provides common
17 individual training,” after “explosive ord-
18 nance disposal”;

19 (iii) by striking “and procurement”;

20 (iv) by inserting “for common tools”
21 after “activities”;

22 (v) by striking “and combatant com-
23 mands”; and

1 (vi) by inserting “and” after the semi-
2 colon; and

3 (C) by striking subparagraphs (D) and
4 (E);

5 (2) in paragraph (2), by striking “such as
6 weapon systems, manned and unmanned vehicles
7 and platforms, cyber and communication equipment,
8 and the integration of explosive ordnance disposal
9 sets, kits and outfits and explosive ordnance disposal
10 tools, equipment, sets, kits, and outfits developed by
11 the department.” and inserting “; and”; and

12 (3) by adding at the end the following new
13 paragraph:

14 “(3) the Secretary of the Army shall designate
15 an Army explosive ordnance disposal-qualified gen-
16 eral officer to serve as the co-chair of the Depart-
17 ment of Defense explosive ordnance disposal defense
18 program.”.

19 (b) DEFINITIONS.—Such section is further amended
20 by adding at the end the following new subsection:

21 “(d) DEFINITIONS.—In this section:

22 “(1) The term ‘explosive ordnance’ has the
23 meaning given such term in section 283(d) of this
24 title.

1 “(2) The term ‘explosive ordnance disposal’
2 means the detection, identification, on-site evalua-
3 tion, rendering safe, exploitation, recovery, and final
4 disposal of explosive ordnance.”.

5 **SEC. 1043. NOTIFICATION ON THE PROVISION OF DEFENSE**
6 **SENSITIVE SUPPORT.**

7 Section 1055(b) of the National Defense Authoriza-
8 tion Act for Fiscal Year 2017 (Public Law 114–328; 10
9 U.S.C. 113 note) is amended—

10 (1) in paragraph (2)—

11 (A) by redesignating subparagraph (C) as
12 subparagraph (E); and

13 (B) by inserting after subparagraph (B)
14 the following new subparagraphs:

15 “(C) A description of the required duration
16 of the support.

17 “(D) A description of the initial costs for
18 the support.”; and

19 (2) by adding at the end the following new
20 paragraph:

21 “(5) SUSTAINMENT COSTS.—If the Secretary
22 determines that sustainment costs will be incurred
23 as a result of the provision of defense sensitive sup-
24 port, the Secretary, not later than 72 hours after
25 the initial provision of such support, shall certify to

1 the congressional defense committees (and the con-
2 gressional intelligence committees with respect to
3 matters relating to members of the intelligence com-
4 munity) that such sustainment costs will not inter-
5 fere with the ability of the Department to execute
6 operations, accomplish mission objectives, and main-
7 tain readiness.”.

8 **SEC. 1044. MODIFICATION AND TECHNICAL CORRECTION**
9 **OF AUTHORITY FOR DEPLOYMENT OF MEM-**
10 **BERS OF THE ARMED FORCES TO THE**
11 **SOUTHERN LAND BORDER OF THE UNITED**
12 **STATES.**

13 (a) **AUTHORITY.**—Subsection (a) of section 1059 of
14 the National Defense Authorization Act for Fiscal Year
15 2016 (Public Law 114–92; 129 Stat. 986; 10 U.S.C. 271
16 note prec.) is amended to read as follows:

17 “(a) **AUTHORITY.**—

18 “(1) **IN GENERAL.**—The Secretary of Defense
19 may provide assistance to United States Customs
20 and Border Protection for purposes of increasing on-
21 going efforts to secure the southern land border of
22 the United States in accordance with the require-
23 ments of this section.

24 “(2) **CERTIFICATION REQUIREMENT.**—If the
25 Secretary of Defense provides assistance under para-

1 graph (1), not later than 30 days before the provi-
2 sion of such assistance, the Secretary shall submit to
3 the Committees on Armed Services of the Senate
4 and House of Representatives certification, in writ-
5 ing, that—

6 “(A) the provision of the assistance will
7 not negatively affect military training, oper-
8 ations, readiness, or other military requirement,
9 including the readiness of the National Guard
10 and reserve components; and

11 “(B) the tasks associated with the support
12 provided align with the mission or occupational
13 specialty of any members of the Armed Forces
14 or units of the Armed Forces that are deployed;
15 and

16 “(C) any task associated with the support
17 is inherently governmental and cannot be per-
18 formed by a contractor.

19 “(3) NOTIFICATION REQUIREMENT.—Not later
20 than 30 days before the deployment of any member
21 of the Armed Forces or unit of the Armed Forces
22 to the southern land border of the United States in
23 support United States Customs and Border Protec-
24 tion pursuant to this section or any other provision
25 of law, the Secretary of Defense shall provide to the

1 Committees on Armed Forces of the Senate and
2 House of Representatives notice of such deploy-
3 ment.”.

4 (b) SUPPORT.—Subsection (e) of such section is
5 amended—

6 (1) by striking “Of the amounts authorized to
7 be appropriated for the Department of Defense by
8 this Act, the” and inserting “The”;

9 (2) by striking “use up to \$75,000,000 to”; and

10 (3) by inserting “on a reimbursable basis” after
11 “subsection (a)”.

12 (c) REPORTING REQUIREMENTS.—Subsection (f) of
13 such section is amended to read as follows:

14 “(f) REPORTS.—

15 “(1) REPORT REQUIRED.—Not later than 30
16 days after the date on which any member of the
17 Armed Forces is deployed along the southern land
18 border of the United States at the request of the
19 Secretary of Homeland Security, and every 90 days
20 thereafter until no members are so deployed, the
21 Secretary of Defense shall submit to the Committee
22 on Armed Services and the Committee on Homeland
23 Security and Governmental Affairs of the Senate
24 and the Committee on Armed Services and the Com-
25 mittee on Homeland Security of the House of Rep-

1 representatives a report that includes, for both the pe-
2 riod covered by the report and the total period of the
3 deployment, each of the following:

4 “(A) An identification of each unit of the
5 Armed Forces so deployed, including for each
6 such unit—

7 “(i) the duty station or location to
8 which the unit is assigned;

9 “(ii) the unit designation;

10 “(iii) the size of the unit; and

11 “(iv) whether any personnel in the
12 unit deployed under section 12302 of title
13 10, United States Code.

14 “(B) An identification of any training ex-
15 ercises that were planned prior to such deploy-
16 ment that included deployed units and were
17 planned to be executed after the date of the de-
18 ployment.

19 “(C) For each unit so deployed, the readi-
20 ness rating of the unit before deployment and
21 15 days after the last day of such deployment.

22 “(D) The projected length of the deploy-
23 ment and any special pay and incentives for
24 which deployed personnel may qualify during
25 the deployment.

1 “(E) A description of any specific pre-de-
2 ployment training provided to any individual or
3 unit before being so deployed, including the lo-
4 cation and duration of any such training.

5 “(F) A description of the rules and addi-
6 tional guidance applicable to the deployment,
7 including—

8 “(i) any special instructions provided
9 to units so deployed prior to deployment;

10 “(ii) the standing rules for the use of
11 force for deployed personnel; and

12 “(iii) whether personnel carry as-
13 signed weapons and are issued ammuni-
14 tion.

15 “(G) A description of the life support con-
16 ditions, including living quarters and food ra-
17 tion cycles, associated with such deployment
18 and associated costs.

19 “(H) A map indicating the locations where
20 units so deployed are housed.

21 “(I) A map indicating the locations where
22 units so deployed are conducting their assigned
23 mission and an explanation for the choice of
24 such locations.

1 “(J) A description of the specific missions
2 and tasks, by location, that are assigned to the
3 members of the Armed Forces who are so de-
4 ployed.

5 “(K) The total amount of funds obligated
6 or expended to provide support along the south-
7 ern border of the United States, including costs
8 associated with personnel (set forth separately
9 from any special pay and allowances), transpor-
10 tation, operations, and any materials used in
11 support of any such deployment or support pro-
12 vided.

13 “(L) An assessment of the ongoing efficacy
14 and cost-effectiveness of the provision of such
15 assistance, including a comparison to the execu-
16 tion by United States Customs and Border Pro-
17 tection, the strategy and recommendations of
18 the Secretary to address the challenges on the
19 southern border of the United States and to en-
20 hance the effectiveness of such assistance, and
21 a plan to transition the functions performed by
22 the members of the Armed Forces pursuant to
23 such assistance.

24 “(M) The justification of United States
25 Customs and Border Protection determining

1 each location where the Department of Defense
2 provides support under this section and any ac-
3 tions taken by the Department of Homeland
4 Security to complete the mission or tasks before
5 requesting support from the Department of De-
6 fense and determining when support from the
7 Department of Defense is needed, including—

8 “(i) copies of any relevant documents
9 that describe the factors taken into consid-
10 eration in requesting support from the De-
11 partment of Defense;

12 “(ii) the analysis that informs the
13 placement of members of the Armed
14 Forces along the southern land border of
15 the United States; and

16 “(iii) any memorandum, including re-
17 quests for assistance and responses to such
18 requests, shared between the Department
19 of Homeland Security and the Department
20 of Defense regarding the need for the de-
21 ployment of members of the Armed Forces
22 along the southern land border of the
23 United States.

24 “(2) FORM OF REPORT.—Each report sub-
25 mitted under this subsection shall be submitted in

1 unclassified form and without any designation relat-
2 ing to dissemination control, but may include a clas-
3 sified annex.”.

4 (d) **TERMINATION OF AUTHORITY.**—Such section is
5 further amended by adding at the end the following new
6 subsection:

7 “(g) **TERMINATION.**—The authority under this sec-
8 tion shall terminate on September 30, 2023.”.

9 (e) **CLASSIFICATION.**—The Law Revision Counsel is
10 directed to place this section in a note following section
11 284 of title 10, United States Code.

12 **SEC. 1045. LIMITATION ON USE OF FUNDS FOR THE INAC-**
13 **TIVATION OF ARMY WATERCRAFT UNITS.**

14 None of the funds authorized to be appropriated by
15 this Act or otherwise made available for fiscal year 2020
16 may be obligated or expended for the inactivation of any
17 Army watercraft unit until the Secretary of Defense sub-
18 mits to Congress certification that—

19 (1) the Secretary has completed the Army
20 Watercraft Requirements Review;

21 (2) the Secretary has entered into a contract
22 with a federally funded research and development
23 corporation for the review of the ability of the Army
24 to meet the watercraft requirements of the combat-
25 ant commanders; and

1 (3) the federally funded research and develop-
2 ment corporation has completed such review and
3 validated the findings of such review.

4 **SEC. 1046. PROHIBITION ON USE OF FUNDS FOR CON-**
5 **STRUCTION OF A WALL, FENCE, OR OTHER**
6 **PHYSICAL BARRIER ALONG THE SOUTHERN**
7 **BORDER OF THE UNITED STATES.**

8 (a) PROHIBITION.—National defense funds may not
9 be obligated, expended, or otherwise used to design or
10 carry out a project to construct, replace, or modify a wall,
11 fence, or other physical barrier along the international
12 border between the United States and Mexico.

13 (b) NATIONAL DEFENSE FUNDS DEFINED.—In this
14 section, the term “national defense funds” means—

15 (1) amounts authorized to be appropriated for
16 any purpose in this division or authorized to be ap-
17 propriated in division A of any National Defense Au-
18 thorization Act for any of fiscal years 2015 through
19 2019, including any amounts of such an authoriza-
20 tion made available to the Department of Defense
21 and transferred to another authorization by the Sec-
22 retary of Defense pursuant to transfer authority
23 available to the Secretary; and

1 (2) funds appropriated in any Act pursuant to
2 an authorization of appropriations described in para-
3 graph (1).

4 **SEC. 1047. EXPENDITURE OF FUNDS FOR DEPARTMENT OF**
5 **DEFENSE INTELLIGENCE AND COUNTER-**
6 **INTELLIGENCE ACTIVITIES.**

7 (a) IN GENERAL.—Subject to subsections (b) and (c),
8 the Secretary of Defense may expend amounts made avail-
9 able for the Military Intelligence Program for any of fiscal
10 years 2020 through 2025 for intelligence and counterintel-
11 ligence activities for any purpose the Secretary determines
12 to be proper with regard to intelligence and counterintel-
13 ligence objects of a confidential, extraordinary, or emer-
14 gency nature. Such a determination is final and conclusive
15 upon the accounting officers of the United States.

16 (b) LIMITATION ON AMOUNT.—The Secretary of De-
17 fense may not expend more than five percent of the
18 amounts described in subsection (a) for any fiscal year for
19 objects described in that subsection unless—

20 (1) the Secretary notifies the congressional de-
21 fense committees and the congressional intelligence
22 committees of the intent to expend the amounts and
23 purpose of the expenditure; and

1 (2) 30 days have elapsed from the date on
2 which the Secretary provides the notice described in
3 paragraph (1).

4 (c) CERTIFICATION.—For each expenditure of funds
5 under this section, the Secretary shall certify that such
6 expenditure was made for an object of a confidential, ex-
7 traordinary, or emergency nature.

8 (d) REPORT.—Not later than December 31 of each
9 of 2020 through 2025, the Secretary of Defense shall sub-
10 mit to the congressional defense committees and the con-
11 gressional intelligence committees a report on expendi-
12 tures made under this section during the fiscal year pre-
13 ceding the year in which the report is submitted. Each
14 such report shall include, for each expenditure under this
15 section during the fiscal year covered by the report, a de-
16 scription, the purpose, the program element, and the cer-
17 tification required under section (c).

18 (e) LIMITATION ON DELEGATIONS.—The Secretary
19 of Defense may not delegate the authority under this sec-
20 tion with respect to any expenditure in excess of \$75,000.

21 (f) CONGRESSIONAL INTELLIGENCE COMMITTEES
22 DEFINED.—In this section, the term “congressional intel-
23 ligence committees” means—

24 (1) the Select Committee on Intelligence of the
25 Senate; and

1 (2) the Permanent Select Committee on Intel-
2 ligence of the House of Representatives.

3 **SEC. 1048. LIMITATION ON USE OF FUNDS TO HOUSE CHIL-**
4 **DREN SEPARATED FROM PARENTS.**

5 (a) IN GENERAL.—None of the amounts authorized
6 to be appropriated by this Act or otherwise made available
7 to the Department of Defense for fiscal year 2020 may
8 be used to house a child separated from a parent.

9 (b) CHILD SEPARATED FROM A PARENT.—

10 (1) IN GENERAL.—For purposes of this section,
11 a child shall not be considered to be separated from
12 a parent if the separation is conducted by an agent
13 or officer of Customs and Border Protection at or
14 near a port of entry or within 100 miles of a border
15 of the United States, and one of the following has
16 occurred:

17 (A) A State court, authorized under State
18 law, terminates the rights of the parent or legal
19 guardian, determines that it is in the best inter-
20 ests of the child to be removed from the parent
21 or legal guardian, in accordance with the Adop-
22 tion and Safe Families Act of 1997 (Public
23 Law 105–89), or makes any similar determina-
24 tion that is legally authorized under State law.

1 (B) An official from the State or county
2 child welfare agency with expertise in child
3 trauma and development makes a best interests
4 determination that it is in the best interests of
5 the child to be removed from the parent or legal
6 guardian because the child is in danger of
7 abuse or neglect at the hands of the parent or
8 legal guardian, or is a danger to herself or oth-
9 ers.

10 (C) The separation is authorized based
11 on—

12 (i) the finding of a chief patrol agent
13 or the area port director in an official and
14 undelegated capacity that—

15 (I) the child is a victim of traf-
16 ficking or is at significant risk of be-
17 coming a victim of trafficking;

18 (II) there is a strong likelihood
19 that the adult is not the parent or
20 legal guardian of the child; or

21 (III) the child is in danger of
22 abuse or neglect at the hands of the
23 parent or legal guardian, or is a dan-
24 ger to themselves or others; and

1 (ii) the review and reauthorization of
2 the separation by an independent child
3 welfare expert licensed by the State or
4 county in which the child was separated by
5 not later than 48 hours after the initial de-
6 cision by the Chief Patrol Agent or the
7 Area Port Director.

8 (2) EFFECT OF FAILURE TO REAUTHORIZE.—
9 In the case of a separation referred to in paragraph
10 (1)(C)(ii), if the child welfare expert does not reau-
11 thorize such separation, the child shall be considered
12 separated from a parent for purposes of this sub-
13 section.

14 **SEC. 1049. LIMITATION ON USE OF FUNDS FOR PROVIDING**
15 **HOUSING FOR UNACCOMPANIED ALIEN CHIL-**
16 **DREN.**

17 (a) LIMITATION.—None of the funds authorized to
18 be appropriated by this Act or otherwise made available
19 for the Department of Defense may be used to provide
20 assistance to the Department of Health and Human Serv-
21 ices for the purpose of providing housing for unaccom-
22 panied alien children unless the Secretary of Defense sub-
23 mits to Congress certification that—

24 (1) the proposed site for the housing meets the
25 standards of the Department of Health and Human

1 Services, including those provided under the Flores
2 settlement agreement;

3 (2) identifies any known or potential environ-
4 mental hazards at or near the proposed site;

5 (3) describes the actions taken or to be taken
6 to mitigate any such hazard; and

7 (4) identifies any waivers or exceptions to
8 standards of the Department of Health and Human
9 Services, including the Flores settlement agreement,
10 that have been requested or granted with regard to
11 the site.

12 (b) DEFINITIONS.—In this section:

13 (1) The term “unaccompanied alien children”
14 has the meaning given such term in section 462 of
15 the Homeland Security Act of 2002 (6 U.S.C. 279)).

16 (2) The term “Flores settlement agreement”
17 means the stipulated settlement agreement filed on
18 January 17, 1997, in the United States District
19 Court for the Central District of California in Flores
20 v. Reno, CV 85–4544–RJK.

21 **Subtitle F—National Defense**

22 **Strategy Implementation**

23 **SEC. 1051. SHORT TITLE.**

24 This subtitle may be cited as the “National Defense
25 Strategy Implementation Act”.

1 **SEC. 1052. REPORT ON OPERATIONAL CONCEPTS AND**
2 **PLANS REGARDING STRATEGIC COMPETI-**
3 **TORS.**

4 Not later than February 1, 2020, and then biannually
5 thereafter, the Secretary of Defense shall submit to the
6 congressional defense committees a report on the Depart-
7 ment of Defense's operational concepts and plans regard-
8 ing strategic competitors, including on strategically sig-
9 nificant matters identified in the National Defense Strat-
10 egy, that also addresses each of the following:

11 (1) Ways of employing the force in peace time
12 to effectively deter strategic competitors below the
13 threshold of war while ensuring readiness for poten-
14 tial conflict.

15 (2) Ways of adapting innovative, operational
16 concepts needed for strategically significant and
17 plausible scenarios related to strategic competitors.

18 (3) Ways of addressing operational challenges
19 related to achieving the strategic advantage against
20 strategic competitors related to nuclear, space,
21 cyber, conventional, and unconventional means in
22 warfighting doctrine.

23 (4) The technologies, force developments, pos-
24 ture and capabilities, readiness, infrastructure, orga-
25 nization, personnel, and other elements of the de-
26 fense program necessary to enable these operational

1 concepts and its implementation listed in paragraphs
2 (1) through (3).

3 (5) The ability of the National Security Innova-
4 tion Base to support the operational concepts listed
5 in paragraphs (1) through (3).

6 (6) The resources and defense investments nec-
7 essary to support the operational concepts and its
8 implementation, including budget recommendations.

9 (7) The risks associated with the operational
10 concepts, including the relationship and tradeoffs be-
11 tween missions, risks, and resources.

12 (8) Measures and metrics to track the effective-
13 ness of the operational concepts and plans.

14 **SEC. 1053. ACTIONS TO INCREASE ANALYTIC SUPPORT.**

15 (a) IN GENERAL.—The Secretary of Defense shall di-
16 rect the Under Secretary of Defense for Policy, the Direc-
17 tor of the Joint Staff, and the Director of Cost Assess-
18 ment and Program Evaluation, in consultation with the
19 head of each military service, to jointly develop and imple-
20 ment a plan to strengthen the analytic capabilities, exper-
21 tise, and processes necessary to meet the National Defense
22 Strategy.

23 (b) ELEMENTS.—The plan under subsection (a) shall
24 include—

1 (1) an assessment of the decision support capa-
2 bility of the Department of Defense, specifically the
3 analytic expertise the Department is using to link
4 National Defense Strategy objectives to innovative
5 approaches for meeting future challenges, including
6 winning in conflict and competing effectively against
7 strategic competitors;

8 (2) an approach for comparing competing anal-
9 yses and conducting joint analyses for force struc-
10 ture to support senior leaders in implementing the
11 National Defense Strategy;

12 (3) a determination of the analytic products
13 and support required to implement the National De-
14 fense Strategy, including the ability to update these
15 products to reflect current strategy and future
16 threats; and

17 (4) such other matters as the Secretary of De-
18 fense determines to be appropriate.

19 (c) BRIEFING REQUIRED.—Not later than March 1,
20 2020, the Secretary of Defense shall provide to the con-
21 gressional defense committees a briefing on the plan under
22 subsection (a).

23 **SEC. 1054. DEFINITIONS.**

24 In this subtitle:

1 (1) The term “operational challenges” means
2 the principal operational challenges to meeting the
3 defense objectives described in the most recent Na-
4 tional Defense Strategy, as such challenges are de-
5 fined by the Secretary of Defense in guidance issued
6 to the Department of Defense. The guidance issued
7 by the Secretary of under the preceding sentence
8 shall—

9 (A) specifically identify operational chal-
10 lenges to the Department’s principal strategic
11 priorities of competing effectively with strategic
12 competitors; and

13 (B) be made available in unclassified and
14 publicly accessible form.

15 (2) The term “strategic competitors” means a
16 country labeled as a strategic competitor in the
17 “Summary of the 2018 National Defense Strategy
18 of the United States of America: Sharpening the
19 American Military’s Competitive Edge” issued by
20 the Department of Defense pursuant to section 113
21 of title 10, United States Code.

22 **Subtitle G—Studies and Reports**

23 **SEC. 1061. REPORT ON TRANSFERS OF EQUIPMENT TO PRO-** 24 **HIBITED ENTITIES.**

25 (a) ANNUAL REPORT TO CONGRESS.—

1 (1) IN GENERAL.—Subchapter VIII of chapter
2 16 of title 10, United States Code, is amended by
3 adding at the end the following new section:

4 **“§ 387. Annual report on transfers of equipment to**
5 **prohibited entities**

6 “(a) REPORT REQUIRED.—Not later than March 1,
7 2021, and each subsequent year, the Secretary of Defense,
8 in coordination with the Secretary of State, shall submit
9 to the appropriate committees of Congress a report on the
10 transfer of defense articles during the year preceding the
11 year during which the report is submitted to—

12 “(1) any unit committing a gross violation of
13 human rights; or

14 “(2) any group or organization prohibited from
15 receiving assistance from the United States.

16 “(b) MATTERS TO BE INCLUDED.—Each report re-
17 quired by subsection (a) shall include the following for the
18 year covered by the report:

19 “(1) A description of any confirmed instance in
20 which the government of a foreign state that has re-
21 ceived defense articles pursuant to a Department of
22 Defense assistance authority has subsequently trans-
23 ferred the equipment to a unit of that foreign state
24 that is prohibited from receiving assistance from the
25 United States by reason of a determination by the

1 Secretary of State that there is credible evidence
2 that such unit has committed a gross violation of
3 human rights.

4 “(2) A description of any instance, confirmed or
5 under investigation, in which the government of a
6 foreign state that has received defense articles pur-
7 suant to a Department of Defense assistance author-
8 ity has subsequently transferred the equipment to a
9 group or organization that is prohibited from receiv-
10 ing assistance from the United States.

11 “(c) APPROPRIATE COMMITTEES OF CONGRESS DE-
12 FINED.—In this section, the term ‘appropriate committees
13 of Congress’ means—

14 “(1) the Committee on Armed Services and the
15 Committee on Foreign Relations of the Senate; and

16 “(2) the Committee on Armed Services and the
17 Committee on Foreign Affairs of the House of Rep-
18 resentatives.”.

19 (2) CLERICAL AMENDMENT.—The table of sec-
20 tions at the beginning of such chapter is amended
21 by inserting after the item relating to section 386
22 the following new item:

“387. Annual report on transfers of equipment to prohibited entities.”.

23 (b) REPORT TO CONGRESS.—

24 (1) REPORT REQUIRED.—Not later than March
25 1, 2020, the Secretary of Defense shall submit to

1 the appropriate committees of Congress (as such
2 term is defined in section 387 of title 10, United
3 States Code, as added by subsection (a)), a report
4 on the transfer of defense articles during the period
5 beginning on January 1, 2015, and ending on the
6 date of the enactment of this Act to—

7 (A) any unit committing a gross violation
8 of human rights; or

9 (B) any group or organization prohibited
10 from receiving assistance from the United
11 States.

12 (2) MATTERS FOR INCLUSION.—Such report
13 shall include, for such period, each of the following:

14 (A) A description of any confirmed in-
15 stance in which the government of a foreign
16 state that has received defense articles pursuant
17 to a Department of Defense assistance author-
18 ity has subsequently transferred the equipment
19 to a unit of that foreign state that is prohibited
20 from receiving assistance from the United
21 States by reason of a determination by the Sec-
22 retary of State that there is credible evidence
23 that such unit has committed a gross violation
24 of human rights.

1 (B) A description of any instance, con-
2 firmed or under investigation, in which the gov-
3 ernment of a foreign state that has received de-
4 fense articles pursuant to a Department of De-
5 fense assistance authority has subsequently
6 transferred the equipment to a group or organi-
7 zation that is prohibited from receiving assist-
8 ance from the United States.

9 **SEC. 1062. ELIMINATION OF REQUIREMENT TO SUBMIT RE-**
10 **PORTS TO CONGRESS IN PAPER FORMAT.**

11 Section 480 of title 10, United States Code, is
12 amended—

13 (1) in subsection (a), by striking “a copy of”;

14 (2) by redesignating subsection (c) as sub-
15 section (d); and

16 (3) by inserting after subsection (b) the fol-
17 lowing new subsection:

18 “(c) **ELIMINATION OF PAPER SUBMISSION REQUIRE-**
19 **MENT.**—Whenever the Secretary (or other official) pro-
20 vides a report to Congress (or any committee of either
21 House of Congress) in an electronic medium under sub-
22 section (a), the Secretary (or other official) shall not be
23 required to submit an additional copy of the report in a
24 paper format.”.

1 **SEC. 1063. MODIFICATION OF ANNUAL REPORT ON CIVIL-**
2 **IAN CASUALTIES IN CONNECTION WITH**
3 **UNITED STATES MILITARY OPERATIONS.**

4 (a) ADDITIONAL ELEMENT FOR REPORT.—Sub-
5 section (b) of section 1057 of the National Defense Au-
6 thorization Act for Fiscal Year 2018 (Public Law 115–
7 91; 131 Stat. 1572), as amended by section 1062 of the
8 John S. McCain National Defense Authorization Act for
9 Fiscal Year 2019 (Public Law 115–232), is amended—

10 (1) by redesignating paragraphs (5) and (6) as
11 paragraphs (8) and (9), respectively; and

12 (2) by inserting after paragraph (4) the fol-
13 lowing new paragraphs:

14 “(5) A description of any allegations of civilian
15 casualties made by public or non-governmental
16 sources investigated by the Department of Defense.

17 “(6) An evaluation of the general reasons for
18 any discrepancies between the assessments of the
19 United States and reporting from nongovernmental
20 organizations regarding non-combatant deaths re-
21 sulting from strikes and operations undertaken by
22 the United States.

23 “(7) The definitions of ‘combatant’ and ‘non-
24 combatant’ used in the preparation of the report.”.

25 (b) DEFINITION OF NON-COMBATANT.—Such section
26 is further amended—

1 (1) by redesignating subsection (e) as sub-
2 section (f); and

3 (2) by inserting after subsection (d) the fol-
4 lowing new subsection (e):

5 “(e) DEFINITION OF NON-COMBATANT.—For pur-
6 poses of the preparation of a report under this section,
7 the Secretary of Defense shall define the term ‘non-com-
8 batant’. Such definition shall—

9 “(1) be consistent with the laws of war; and

10 “(2) provide that a male of military age shall
11 not be determined to be a combatant solely on the
12 basis of proximity to a strike or nonstrike kinetic op-
13 eration, or the intended target of such an oper-
14 ation.”.

15 (c) EXTENSION.—Subsection (f) of such section, as
16 so redesignated, is amended by striking “five years” and
17 inserting “ten years”.

18 (d) CLASSIFICATION.—The Law Revision Counsel is
19 directed to place this section in a note following section
20 113 of title 10, United States Code.

21 **SEC. 1064. INCLUSION OF CERTAIN INDIVIDUALS INVES-**
22 **TIGATED BY INSPECTORS GENERAL IN THE**
23 **SEMIANNUAL REPORT.**

24 Section 5(a) of the Inspector General Act of 1978
25 (5 U.S.C. App.) is amended—

1 (1) in paragraph (21), by striking “; and” at
2 the end and inserting a semicolon;

3 (2) in paragraph (22), by striking the period at
4 the end and inserting “; and”; and

5 (3) by inserting after paragraph (22) the fol-
6 lowing new paragraph:

7 “(23) the name of each individual who is the
8 subject of an investigation if the individual was an
9 officer in the grade of O-7 and above, including offi-
10 cers who have been selected for promotion to O-7, or
11 a civilian member of the Senior Executive Service.”.

12 **SEC. 1065. ANNUAL REPORT ON JOINT MILITARY INFORMA-**
13 **TION SUPPORT OPERATIONS WEB OPER-**
14 **ATIONS CENTER.**

15 (a) IN GENERAL.—Not later than March 1 of 2020,
16 and each subsequent year until the termination date speci-
17 fied in subsection (c), the Commander of United States
18 Special Operations Command shall submit to the congres-
19 sional defense committees a report on the activities of the
20 Joint Military Information Support Operations Web Oper-
21 ations Center (hereinafter referred to as the “JMWC”)
22 during the most recently concluded fiscal year.

23 (b) CONTENTS OF REPORT.—The report required by
24 subsection (a) shall include each of the following, for the
25 fiscal year covered by the report:

1 (1) Definitions of initial operating capability
2 and full operational capability as such terms relate
3 to the JMWC.

4 (2) A detailed description of all activities con-
5 ducted toward achieving initial operating capability
6 and full operational capability of the JMWC.

7 (3) A list of all associated funding requested for
8 each program element for achieving initial operating
9 capability and full operational capability.

10 (4) A detailed description of validated doctrine,
11 organization, training, materiel, leadership and edu-
12 cation, personnel, facilities, and policy requirements
13 relating to establishment of the JMWC.

14 (5) A description of current JMWC capabilities,
15 including information technology infrastructure and
16 contractual arrangements.

17 (6) A list of all physical locations hosting
18 JMWC capabilities.

19 (7) The number of military, contractor, and ci-
20 vilian personnel associated with the JMWC and any
21 affiliated agency, service, or other Department of
22 Defense entity.

23 (8) A description of the JMWC personnel orga-
24 nizational structure.

1 (9) An identification of inherently governmental
2 functions relating to administration of the JMWC
3 and execution of Military Information Support Oper-
4 ations (hereinafter referred to as “MISO)” pro-
5 grams hosted by the JMWC.

6 (10) A detailed description of frameworks,
7 metrics, and capabilities established to measure the
8 effectiveness of MISO programs hosted by the
9 JMWC.

10 (11) A list of all associated funding requested
11 by program element from each of the geographic
12 combatant commanders for MISO programs hosted
13 by the JMWC and a description of such MISO ac-
14 tivities.

15 (12) An assessment of the effectiveness of
16 MISO programs hosted by the JMWC.

17 (13) A description of efforts and activities con-
18 ducted to share best practices and leverage lessons
19 learned across the Department of Defense relating
20 to MISO programs hosted by the JMWC, as well as
21 a description of such best practices and lessons
22 learned.

23 (14) An identification of liaisons and detailees
24 to the JMWC from agencies and elements of the De-
25 partment of Defense.

1 (15) Activities and efforts conducted to syn-
2 chronize and deconflict MISO programs within the
3 Department of Defense and with interagency and
4 international partners related to strategic commu-
5 nications, as appropriate.

6 (16) Such other information as the Commander
7 determines appropriate.

8 (c) TERMINATION.—The requirement to submit a re-
9 port under this section shall terminate on January 1,
10 2025.

11 **SEC. 1066. MOBILITY CAPABILITY REQUIREMENTS STUDY.**

12 (a) IN GENERAL.—The Commander of the United
13 States Transportation Command, in coordination with the
14 Chairman of the Joint Chiefs of Staff and the Secretaries
15 of the military departments, shall conduct a study of the
16 end-to-end, full-spectrum mobility requirements to fulfill
17 the national defense strategy required by section 113(g)
18 of title 10, United States Code, for 2018. Such study shall
19 be completed not later than January 1, 2021.

20 (b) ELEMENTS OF STUDY.—The study required
21 under subsection (a) shall include each of the following:

22 (1) An assessment of the ability of the pro-
23 grammed airlift aircraft, tanker aircraft, sealift
24 ships, and key mobility enablers to meet the inte-
25 grated mobility requirements in expected strategic

1 environments, as defined by the guidance in such
2 national defense strategy.

3 (2) An identification, quantification, and de-
4 scription of the associated risk-to-mission (as de-
5 fined by Chairman of the Joint Chiefs of Staff Man-
6 ual 3105.01, Joint Risk Analysis) required to fulfill
7 such strategy, including—

8 (A) as assessment of risk-to-mission associ-
9 ated with achieving strategic and operational
10 objectives using the programmed airlift aircraft,
11 tanker aircraft, sealift ships, and key mobility
12 enablers; and

13 (B) a description of the combinations of
14 airlift aircraft, tanker aircraft, sealift ships, and
15 key mobility enabler requirements and capabili-
16 ties that provide low, moderate, significant, and
17 high levels of risk-to-mission to fulfill such
18 strategy.

19 (3) An identification of any mobility capability
20 gaps, shortfalls, overlaps, or excesses, including—

21 (A) an assessment of associated risks with
22 respect to the ability to conduct operations; and

23 (B) recommended mitigation strategies
24 where possible.

1 (4) The articulation of all key assumptions and
2 decisions made and excursions examined in con-
3 ducting the study with respect to—

4 (A) risk;

5 (B) programmed forces and infrastructure;

6 (C) the availability of commercial airlift
7 and sealift capabilities and resources, when ap-
8 plicable;

9 (D) aircraft usage rates, aircraft mission
10 availability rates, aircraft mission capability
11 rates, aircrew ratios, aircrew production, and
12 aircrew readiness rates;

13 (E) readiness, crewing, and activation
14 rates for sealift ships;

15 (F) prepositioning, forward stationing,
16 seabasing, engineering, and infrastructure;

17 (G) demand signals used to represent mis-
18 sions described in the national defense strategy
19 for 2018, in competition and wartime;

20 (H) concurrency and global integration of
21 demand signals;

22 (I) integrated global presence and basing
23 strategy;

24 (J) host nation or third-country support;

1 (K) adversary actions to degrade and dis-
2 rupt United States mobility operations;

3 (L) aircraft being used for training or un-
4 dergoing depot maintenance or modernization
5 or ships undergoing depot maintenance;

6 (M) mobility enabling forces availability,
7 readiness, and use;

8 (N) logistics concept of operations, includ-
9 ing any support concepts, methods, combat sup-
10 port forces, and combat service support forces
11 that are required to enable the projection and
12 enduring support to forces both deployed and in
13 combat for each analytic scenario;

14 (O) anticipated attrition rates for the as-
15 sessed force structure; and

16 (P) such other matters as the Commander
17 determines appropriate.

18 (5) Such other elements as the Commander de-
19 termines appropriate.

20 (c) REPORTS AND BRIEFINGS.—

21 (1) INTERIM REPORT AND BRIEFING.—Not
22 later than June 1, 2020, the Commander of the
23 United States Transportation Command, in coordi-
24 nation with the Chairman of the Joint Chiefs of

1 Staff and the Secretaries of the military depart-
2 ments, shall—

3 (A) submit to the Committee on Armed
4 Services of the House of Representatives an in-
5 terim report on the study; and

6 (B) provide to such Committee a briefing
7 on the report.

8 (2) FINAL REPORT AND BRIEFING.—Not later
9 than January 1, 2021, the Commander of the
10 United States Transportation Command, in coordi-
11 nation with the Chairman of the Joint Chiefs of
12 Staff and the Secretaries of the military depart-
13 ments, shall—

14 (A) submit to the Committee on Armed
15 Services of the House of Representatives a final
16 report on the study; and

17 (B) provide to such Committee a briefing
18 on the report.

19 (3) FORM OF REPORTS.—The reports required
20 by paragraphs (1) and (2) shall be submitted in un-
21 classified form, but may include a classified annex.

22 (d) DEFINITION OF SEALIFT SHIP.—In this section,
23 the term “sealift ship” includes surge sealift vessels, tank-
24 er vessels, and non-governmental vessels incorporated as
25 part of the maritime logistics enterprise.

1 **SEC. 1067. ASSESSMENT OF SPECIAL OPERATIONS FORCE**
2 **STRUCTURE.**

3 (a) ASSESSMENT.—

4 (1) IN GENERAL.—The Secretary of Defense
5 shall enter into an agreement with a federally fund-
6 ed research and development center for the conduct
7 of an independent assessment of the force structure
8 and roles and responsibilities of special operations
9 forces.

10 (2) SUBMISSION TO CONGRESS.—Not later than
11 July 1, 2020, the Secretary shall submit to the con-
12 gressional defense committees the results of the as-
13 sessment required under paragraph (1).

14 (3) FORM.—The assessment required under
15 paragraph (1) shall be submitted in unclassified
16 form, but may contain a classified annex.

17 (b) MATTERS TO BE CONSIDERED.—In performing
18 the assessment under this section, the federally funded re-
19 search and development center shall consider the following
20 matters:

21 (1) The most recent national defense strategy
22 under section 113(g) of title 10, United States Code.

23 (2) Special operations activities, as described in
24 section 167(k) of title 10, United States Code.

25 (3) Potential future national security threats to
26 the United States.

1 (4) Ongoing counterterrorism and contingency
2 operations of the United States.

3 (5) The demand for special operations forces by
4 geographic combatant commanders for security co-
5 operation, exercises, and other missions that could
6 be executed by conventional forces.

7 (6) Other government and non-government
8 analyses that would contribute to the assessment
9 through variations in study assumptions or potential
10 scenarios.

11 (7) The role of emerging technology on special
12 operations forces.

13 (8) Opportunities for reduced operation and
14 sustainment costs of special operations.

15 (9) Current and projected capabilities of other
16 United States Armed Forces that could affect force
17 structure capability and capacity requirements of
18 special operations forces.

19 (10) The process by which United States Spe-
20 cial Operations Command determines force size and
21 structure.

22 (11) The readiness of special operations forces
23 for assigned missions and future conflicts.

24 (12) The adequacy of special operations force
25 structure for meeting the goals of the National Mili-

1 tary Strategy under section 153(b) of title 10,
2 United States Code.

3 (13) Any other matters deemed relevant.

4 (c) ASSESSMENT RESULTS.—The results of the as-
5 sessment under this section shall include each of the fol-
6 lowing:

7 (1) Considerations and recommendations for
8 improving the readiness of special operations forces
9 and alternative force structure options.

10 (2) Legislative recommendations with respect to
11 section 167 of title 10, United States Code, and
12 other relevant provisions of law.

13 (3) The views of United States Special Oper-
14 ations Command on the assessment.

15 **SEC. 1068. ARMY AVIATION STRATEGIC PLAN AND MOD-**
16 **ERNIZATION ROADMAP.**

17 (a) STRATEGIC PLAN AND MODERNIZATION ROAD-
18 MAP.—

19 (1) IN GENERAL.—The Secretary of the Army
20 shall develop a comprehensive strategic plan for
21 Army aviation, which shall be designed to—

22 (A) ensure the alignment between require-
23 ments, both current and future, and Army
24 budget submissions to meet such requirements;
25 and

1 (B) inform the preparation of future de-
2 fense program and budget requests by the Sec-
3 retary, and the consideration of such requests
4 by Congress.

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

7 (A) An assessment of all missions for
8 Army aviation, both current missions and those
9 missions necessary to support the national de-
10 fense strategy and the U.S. Army in Multi-Do-
11 main Operations 2028 concept.

12 (B) An analysis of platforms, capabilities,
13 and capacities necessary to fulfill such current
14 and future Army aviation missions.

15 (C) The required life cycle budget associ-
16 ated with each platform, capability, and capac-
17 ity requirement for both current and future re-
18 quirements.

19 (D) An analysis showing operational, budg-
20 et, and schedule trade-offs between sustainment
21 of currently fielded capabilities, modernization
22 of currently fielded capabilities, and develop-
23 ment and production of new capabilities.

1 (b) REPORT TO CONGRESS.—Not later than March
2 30, 2020, the Secretary of the Army shall submit to the
3 congressional defense committees a report containing—

4 (1) the comprehensive strategic plan required
5 by subsection (a); and

6 (2) a sustainment and modernization plan for
7 carrying out such strategic plan through fiscal year
8 2028.

9 **SEC. 1069. REPORT ON GROUND-BASED LONG-RANGE AR-**
10 **TILLERY TO COUNTER LAND AND MARITIME**
11 **THREATS.**

12 (a) IN GENERAL.—Not later than March 1, 2020, the
13 Secretary of Defense shall submit to the Committees on
14 Armed Services of the Senate and House of Representa-
15 tives a report on the efforts by the Army and Marine
16 Corps to develop and deploy ground-based long-range
17 rocket and cannon artillery to counter land and maritime
18 threats.

19 (b) ELEMENTS.—The report required by subsection
20 (a) shall include each of the following:

21 (1) An assessment of ongoing and future Army
22 and Marine Corps efforts to develop and deploy
23 ground-based long-range rocket and cannon artillery
24 to counter land and maritime fires in the areas of

1 operations of United States Indo-Pacific Command
2 and United States European Command.

3 (2) An assessment of and recommendations for
4 how the Department of Defense can improve the de-
5 velopment and deployment of such artillery.

6 (3) An analysis and assessment of how such ar-
7 tillery employed in support of the Armed Forces of
8 the United States and allied forces would be de-
9 ployed, positioned, and controlled to operate effec-
10 tively against potential adversaries throughout the
11 depth of their tactical, operational, and strategic for-
12 mations, including any recommendations of the Sec-
13 retary regarding how such support could be en-
14 hanced.

15 (c) FORM OF REPORT.—The report required by sub-
16 section (a) shall be submitted in unclassified form, but
17 may contain a classified annex.

18 **SEC. 1070. INDEPENDENT REVIEW OF TRANSPORTATION**
19 **WORKING-CAPITAL FUND.**

20 (a) IN GENERAL.—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 Secretary of each of the
23 military departments, shall enter into a contract with a
24 federally funded research and development center for the
25 conduct of an independent review of the transportation

1 working-capital fund (hereinafter referred to as the
2 “TWCF”) of the United States Transportation Command.

3 (b) MATTERS FOR INCLUSION.—The review con-
4 ducted under subsection (a) shall include each of the fol-
5 lowing:

6 (1) The viability of the TWCF as it is struc-
7 tured as of the date of the enactment of this Act.

8 (2) An assessment of any instances in which ex-
9 cess TWCF funds were used for procurement or
10 modernization efforts that would not otherwise have
11 been funded using amounts made available for oper-
12 ation and maintenance.

13 (3) Recommendations for how the TWCF could
14 be restructured in order to make the fund more ef-
15 fective and efficient.

16 (4) Potential alternative funding mechanisms
17 for certain components of the TWCF, including the
18 channel system.

19 (5) Any other matters the Secretaries jointly
20 determine appropriate.

21 (c) REPORT.—Not later than March 1, 2021, the
22 Secretary of Defense and the Secretary of each of the mili-
23 tary departments shall jointly submit the to the congres-
24 sional defense committees a copy of the review conducted
25 under subsection (a).

1 **SEC. 1071. GEOGRAPHIC COMMAND RISK ASSESSMENT OF**
2 **PROPOSED USE OF CERTAIN AIRCRAFT CA-**
3 **PABILITIES.**

4 (a) IN GENERAL.—Not later than March 31, 2020,
5 each commander of a geographic combatant command
6 shall submit to the congressional defense committees a re-
7 port containing an assessment of the level of operational
8 risk to that command posed by the plans of the Depart-
9 ment of the Navy and Department of the Air Force to
10 provide a mix of fifth generation and advanced fourth gen-
11 eration tactical aircraft capabilities to meet contingency
12 and steady-state operational requirements against adver-
13 saries in support of the objectives of the 2018 national
14 defense strategy.

15 (b) ASSESSMENT OF RISK.—In assessing levels of
16 operational risk under subsection (a), a commander shall
17 use the military risk matrix of the Chairman of the Joint
18 Chiefs of Staff, as described in CJCS Instruction
19 3401.01E.

20 (c) GEOGRAPHIC COMBATANT COMMAND.—In this
21 section, the term “geographic combatant command”
22 means each of the following:

- 23 (1) United States European Command.
- 24 (2) United States Indo-Pacific Command.
- 25 (3) United States Africa Command.
- 26 (4) United States Southern Command.

1 (5) United States Northern Command.

2 (6) United States Central Command.

3 **SEC. 1072. ANNUAL REPORT ON STRIKES UNDERTAKEN BY**
4 **THE UNITED STATES AGAINST TERRORIST**
5 **TARGETS OUTSIDE AREAS OF ACTIVE HOS-**
6 **TILITIES.**

7 (a) ANNUAL REPORT.—Not later than May 1 of each
8 year, the Secretary of Defense shall submit to Congress
9 a report on the number of strikes undertaken by the
10 United States against terrorist targets outside areas of ac-
11 tive hostilities during the preceding calendar year, as well
12 as assessments of combatant and non-combatant deaths
13 resulting from those strikes.

14 (b) CONTENTS OF REPORT.—The report required by
15 subsection (a) shall include—

16 (1) information obtained from relevant agencies
17 regarding the general sources of information and
18 methodology used to conduct the assessments of
19 combatant and non-combatant deaths;

20 (2) to the extent feasible and appropriate, the
21 general reasons for discrepancies between post-strike
22 assessments from the United States and credible re-
23 porting from nongovernmental organizations regard-
24 ing non-combatant deaths resulting from strikes un-

1 dertaken by the United States against terrorist tar-
2 gets outside areas of active hostilities.

3 (c) REVIEW OF POST-STRIKE REPORTING.—In pre-
4 paring a report under this section, the Secretary shall re-
5 view relevant and credible post-strike all-source reporting,
6 including such information from nongovernmental sources,
7 for the purpose of ensuring that this reporting is available
8 to and considered by relevant agencies in their assessment
9 of deaths.

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

13 **SEC. 1073. TERMINATION OF REQUIREMENT FOR SUB-**
14 **MITTAL TO CONGRESS OF CERTAIN RECUR-**
15 **RING REPORTS.**

16 (a) TERMINATION.—Effective on December 30,
17 2021, each report described in subsection (b) that is still
18 required to be submitted to Congress as of such effective
19 date shall no longer be required to be submitted to Con-
20 gress.

21 (b) COVERED REPORTS.—A report described in this
22 subsection is a recurring report that is required to be sub-
23 mitted to Congress by the Department of Defense, or by
24 any officer, official, component, or element of the Depart-

1 ment, by any annual national defense authorization Act
2 enacted on or after December 30, 2016.

3 **SEC. 1074. REPORT ON OPERATIONAL CONCEPTS AND**
4 **PLANS REGARDING STRATEGIC COMPETI-**
5 **TORS.**

6 Not later than February 1, 2020, and then biannually
7 thereafter, the Secretary of Defense shall submit to the
8 congressional defense committees a report on the Depart-
9 ment of Defense's operational concepts and plans regard-
10 ing strategic competitors, including on strategically sig-
11 nificant matters identified in the National Defense Strat-
12 egy, that also addresses each of the following:

13 (1) Ways of employing the force in peace time
14 to effectively deter strategic competitors below the
15 threshold of war while ensuring readiness for poten-
16 tial conflict.

17 (2) Ways of adapting innovative, operational
18 concepts needed for strategically significant and
19 plausible scenarios related to strategic competitors.

20 (3) Ways of addressing operational challenges
21 related to achieving the strategic advantage against
22 strategic competitors related to nuclear, space,
23 cyber, conventional, and unconventional means in
24 warfighting doctrine.

1 (4) The technologies, force developments, pos-
2 ture and capabilities, readiness, infrastructure, orga-
3 nization, personnel, and other elements of the de-
4 fense program necessary to enable these operational
5 concepts and its implementation listed in paragraphs
6 (1) through (3).

7 (5) The ability of the National Security Innova-
8 tion Base to support the operational concepts listed
9 in paragraphs (1) through (3).

10 (6) The resources and defense investments nec-
11 essary to support the operational concepts and its
12 implementation, including budget recommendations.

13 (7) The risks associated with the operational
14 concepts, including the relationship and tradeoffs be-
15 tween missions, risks, and resources.

16 (8) Measures and metrics to track the effective-
17 ness of the operational concepts and plans.

18 **Subtitle H—Other Matters**

19 **SEC. 1081. TECHNICAL, CONFORMING, AND CLERICAL** 20 **AMENDMENTS.**

21 (a) TITLE 10, UNITED STATES CODE.—Title 10,
22 United States Code, is amended as follows:

23 (1) The table of chapters at the beginning of
24 subtitle A, and at the beginning of part I of such

1 subtitle, are each amended by striking the item re-
2 lating to chapter 9A and inserting the following:

“9A. Audit 240a”.

3 (2) The table of chapters at the beginning of
4 subtitle A, and at the beginning of part I of such
5 subtitle, are each amended by striking the item re-
6 lating to chapter 112 and inserting the following:

“112. Cyber Scholarship Program 2200”.

7 (3) Section 113(j)(1) is amended by inserting
8 “the” before “congressional defense committees”.

9 (4) Section 119a is amended in each of the sub-
10 section headings for subsections (a) and (b) by strik-
11 ing “AACMS” and inserting “ACCMS”.

12 (5) Section 127(c)(1) is amended by inserting
13 “the” before “congressional defense committees”.

14 (6) Section 130i is amended—

15 (A) in subsection (i)(1), by inserting “(C)”
16 after “(j)(3)”; and

17 (B) in subsection (j)(6), by striking
18 “40101” and inserting “44802”.

19 (7) Section 131(b)(8) is amended by redesign-
20 ating subparagraph (I) as subparagraph (F).

21 (8) Section 132 is amended by redesignating
22 subsection (e) as subsection (d).

1 (9) The item relating to section 169 in the table
2 of sections at the beginning of chapter 6 is amended
3 by inserting a period after “Command”.

4 (10) The item relating to section 183a in the
5 table of sections at the beginning of chapter 7 is
6 amended to read as follows:

“183a. Military Aviation and Installation Assurance Clearinghouse for review of
mission obstructions.”.

7 (11) Section 222a(d)(3)(A) is amended by in-
8 serting “had” before “been”.

9 (12) Section 222b(a) is amended by striking
10 “United States Code,”.

11 (13) Section 284 is amended—

12 (A) by striking “section 376” both places
13 it appears and inserting “section 276”;

14 (B) in subsection (f), by inserting “)” after
15 “Stat. 1564”;

16 (C) in subsection (g)(2), by striking “sec-
17 tion 375” and inserting “section 275”; and

18 (D) in subsection (h)(1)(A)(vi)(VI) by
19 striking “section 1004 of the National Defense
20 Authorization Act for Fiscal Year 1991 (10
21 U.S.C. 374 note) and”.

22 (14) Section 240b(b)(1)(B)(i) is amended by
23 striking “section 253a” and inserting “section
24 240e”.

1 (15) The table of sections at the beginning of
2 subchapter V of chapter 16 is amended by striking
3 “Sec.” after the item relating to section 350.

4 (16) Section 341(e)(2)(A) is amended by add-
5 ing a period at the end.

6 (17) Section 526(k) is amended by inserting
7 “the” before “number of general officers”.

8 (18) Section 649j is amended by striking “(a)
9 IN GENERAL.—The” and inserting “The”.

10 (19) Section 651(a) is amended by inserting
11 “shall serve” after “(50 U.S.C. 3806(d)(1))”.

12 (20) The heading of section 928b (article 128b
13 of the Uniform Code of Military Justice) is amended
14 to read as follows:

15 **“§ 928b. Art. 128b. Domestic violence”.**

16 (21) Section 1034(b)(1)(B)(ii) is amended by
17 striking “subsection (i)” and inserting “subsection
18 (j)”;

19 (22) Section 1073c(a) is amended by redesignig-
20 nating the second paragraph (4) as paragraph (6).

21 (23) Section 1074g(b) is amended by striking
22 “under subsection (h)” and inserting “under sub-
23 section (i)”.

1 (24) Section 1075(d)(1) is amended in the table
2 by striking “25% of out of network” and inserting
3 “25% out of network”.

4 (25) Section 1076d(d)(1) is amended by strik-
5 ing “section 1075 of this section” and inserting
6 “section 1075 of this title”.

7 (26) Section 1076e(d)(1) is amended by strik-
8 ing “section 1075 of this section” and inserting
9 “section 1075 of this title”.

10 (27) Section 1142(c)(3) is amended by striking
11 “paragraph (2)(B)” and inserting “paragraph
12 (2)(C)”.

13 (28) Section 1762(c) is amended by striking “in
14 at any one time” and inserting “at any one time in”.

15 (29) Section 1788a is amended in subsection
16 (d)(1) by striking “Not later than March 1, 2019,
17 and each March 1 thereafter” and inserting “Not
18 later than March 1 each year”.

19 (30) Section 2208(u) is amended by inserting
20 “of this title” after “2805” each place it appears.

21 (31) Section 2216(b)(1) is amended by striking
22 “subsection (c)(1)(B)(iii)” and inserting “subsection
23 (c)(1)(B)(ii)”.

1 (32) Section 2222(i)(11) is amended by striking
2 “subsection (a)(6)(A)” and inserting “subsection
3 (e)(6)(A)”.

4 (33) Section 2228(a)(2) is amended by striking
5 the second period at the end.

6 (34) The item relating to section 2229b in the
7 table of sections at the beginning of chapter 131 is
8 amended to read as follows:

 “2229b. Comptroller General assessment of acquisition programs and initia-
 tives.”.

9 (35) Section 2273(b)(1) is amended by insert-
10 ing a semicolon at the end.

11 (36) The heading for section 2279d is amended
12 by striking the period at the end.

13 (37) The heading of section 2284, as added by
14 section 311(a) of the John S. McCain National De-
15 fense Authorization Act for Fiscal Year 2019 (Pub-
16 lic Law 115–232; 132 Stat. 1708), is amended to
17 read as follows:

18 **“§ 2284. Explosive ordnance disposal defense pro-**
19 **gram”.**

20 (38) Section 2304(f)(1)(B) is amended—

21 (A) in clause (ii), by striking “paragraph
22 (6)(A)” and inserting “paragraph (5)(A)”; and

23 (B) in clause (iii), by striking “paragraph
24 (6)(B)” and inserting “paragraph (5)(B)”.

1 (39) Section 2305a(d)(1) is amended by strik-
2 ing “a indefinite” and inserting “an indefinite”.

3 (40)(A) Section 2304e is amended by striking
4 the last four words of the section heading.

5 (B) Section 2323a is amended—

6 (i) in the section heading, by striking the
7 last six words; and

8 (ii) in subsection (e)—

9 (I) in paragraph (1), by striking “102
10 Stat. 2468;”;

11 (II) in paragraph (2), by striking
12 “(25 U.S.C. 450b(d))” and inserting “(25
13 U.S.C. 5304(d))”; and

14 (III) in paragraph (3), by striking
15 “(25 U.S.C. 450b(e))” and inserting “(25
16 U.S.C. 5304(e))”.

17 (C) The table of sections at the beginning of
18 chapter 137 is amended by striking the last four
19 words of the item relating to section 2304e and the
20 last six words of the item relating to section 2323a.

21 (41) Section 2307(a) is amended by striking
22 “may” and inserting “may—”.

23 (42) Section 2313b(d) is amended by striking
24 “an task order” both places it appears and inserting
25 “a task order”.

1 (43) Section 2329(g)(1) is amended by striking
2 “‘bridge contact’” and inserting “‘bridge con-
3 tract’”.

4 (44) Section 2339a(e)(5) is amended by strik-
5 ing “section 3542(b)” and inserting “section
6 3552(b)(6)”.

7 (45) Section 2366a(c)(1)(F) is amended by
8 striking “section 2366a(b)(6) of this title” and in-
9 serting “subsection (b)(6)”.

10 (46) Section 2371b(d)(1)(C) is amended by
11 striking “other than” after “sources”.

12 (47) Section 2380B is amended—

13 (A) by inserting “section” before “2376(1)
14 of this title”; and

15 (B) by striking “purposed of” and insert-
16 ing “purposes of”.

17 (48) Section 2401(e)(2) is amended by striking
18 “subsection (f)” and inserting “subsection (g)”.

19 (49) Section 2417(a)(2) is amended by striking
20 “of eligible entities” and all that follows through
21 “for meetings” and inserting the following: “of eligi-
22 ble entities—

23 “(A) for meetings”.

1 (50) The item relating to section 2439 in the
2 table of sections at the beginning of chapter 144 is
3 amended to read as follows:

“2439. Negotiation of price for technical data before development, production,
or sustainment of major weapon systems.”.

4 (51) The item relating to subchapter II in the
5 table of subchapters for chapter 144B is amended to
6 read as follows:

**“II. Development, Prototyping, and Deployment of
Weapon System Components or Tech-
nology2447a”.**

7 (52) Section 2447a(a) is amended by striking
8 “after fiscal year 2017”.

9 (53) Section 2547(b)(2) is amended—

10 (A) by striking “material” and inserting
11 “materiel”; and

12 (B) by striking “Material” both places it
13 appears and inserting “Materiel”.

14 (54) Section 2802(e)(1) is amended by striking
15 “shall comply with” and inserting “shall—

16 “(A) comply with”.

17 (55) Section 2804(b) is amended—

18 (A) in the second sentence—

19 (i) by striking “(1)” and “(2)”; and

20 (ii) by striking “project and” and in-
21 serting “project,”; and

1 (B) in the third sentence, by striking “;
2 and”.

3 (56) Section 2805(d)(1)(B) is amended by in-
4 serting “under” after “made available”.

5 (57) Section 2835a(c) is amended by striking
6 “(1) The Secretary” and inserting “The Secretary”.

7 (58) Section 2879(a)(2)(A) is amended by
8 striking the comma after “2017”.

9 (59) Section 2913(c) is amended by striking
10 “government a gas or electric utility” and inserting
11 “government gas or electric utility”.

12 (60) The item relating to section 2914 in the
13 table of sections at the beginning of chapter 173 is
14 amended to read as follows:

“2914. Energy resilience and conservation construction projects.”.

15 (61)(A) The heading of section 8749, as
16 amended by section 1114(b)(2) and redesignated by
17 section 807(d)(6) of the John S. McCain National
18 Defense Authorization Act for Fiscal Year 2019
19 (Public Law 115–232), is amended by capitalizing
20 the initial letter of the fifth, sixth, and seventh
21 words and the initial letter of the last two words.

22 (B) The heading of section 8749a, as added by
23 section 1114(a) and redesignated by section 8(d)(6)
24 of the John S. McCain National Defense Authoriza-
25 tion Act for Fiscal Year 2019 (Public Law 115–

1 232), is amended by capitalizing the initial letter of
2 the fifth, sixth, and seventh words.

3 (62) Section 9069(a) is amended by striking
4 “are” and inserting “is”.

5 (63) Section 10217(e)(4) is amended by strik-
6 ing “shall an individual” and inserting “shall be an
7 individual”.

8 (64) The item relating to section 2568a in the
9 table of sections at the beginning of chapter 152 is
10 amended to read as follows:

 “2568a. Damaged personal protective equipment: award to members separating
 from the armed forces and veterans.”.

11 (b) NDAA FOR FISCAL YEAR 2019.—Effective as of
12 August 13, 2018, and as if included therein as enacted,
13 the John S. McCain National Defense Authorization Act
14 for Fiscal Year 2019 (Public Law 115–232) is amended
15 as follows:

16 (1) Section 331(g)(2) (132 Stat. 1724) is
17 amended by inserting “of such title” after “chapter
18 2”.

19 (2) Section 844(b) (132 Stat. 1881) is amended
20 by striking “This section and the amendments made
21 by this section” and inserting “The amendment
22 made by subsection (a)”.

23 (3) Section 1246(1)(B) (132 Stat. 2049) is
24 amended by adding at the end before the semicolon

1 the following: “and transferring it to appear after
2 paragraph (15)”.

3 (4) Section 2805(c) (132 Stat. 2262; 10 U.S.C.
4 2864 note) is amended by striking “United Facilities
5 Criteria” and inserting “Unified Facilities Criteria”.

6 (c) NDAA FOR FISCAL YEAR 2018.—Effective as of
7 December 12, 2017, and as if included therein as enacted,
8 section 1609(b)(3) of the National Defense Authorization
9 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.
10 1728; 10 U.S.C. 2273 note) is amended by striking “,
11 and,” and inserting “, and”.

12 (d) NDAA FOR FISCAL YEAR 2012.—Effective as of
13 December 31, 2011, and as if included therein as enacted,
14 section 315 of the National Defense Authorization Act for
15 Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1358;
16 10 U.S.C. 2911 note) is amended by redesignating sub-
17 sections (d), (e), and (f) as subsections (c), (d), and (e),
18 respectively.

19 (e) COORDINATION WITH OTHER AMENDMENTS
20 MADE BY THIS ACT.—For purposes of applying amend-
21 ments made by provisions of this Act other than this sec-
22 tion, the amendments made by this section shall be treated
23 as having been enacted immediately before any such
24 amendments by other provisions of this Act.

1 **SEC. 1082. SUBMISSION TO CONGRESS OF DEPARTMENT OF**
2 **DEFENSE EXECUTE ORDERS.**

3 (a) IN GENERAL.—Chapter 2 of title 10, United
4 States Code, is amended by adding at the end the fol-
5 lowing new section:

6 **“§ 119b. Execute orders: congressional oversight**

7 “Not later than 30 days after the date on which the
8 Secretary of Defense or the commander of a combatant
9 command issues an execute order, the Secretary of De-
10 fense shall provide to the chairman and ranking member
11 of each of the congressional defense committees, and their
12 designated staff with the appropriate security clearance,
13 a copy of the execute order.”.

14 (b) CLERICAL AMENDMENT.—The table of sections
15 at the beginning of such chapter is amended by adding
16 at the end the following new item:

“119b. Execute orders: congressional oversight.”.

17 (c) PREVIOUSLY ISSUED EXECUTE ORDERS.—Not
18 later than 30 days after the date of the enactment of this
19 Act, the Secretary of Defense shall submit to the chairman
20 and ranking member of each of the congressional defense
21 committees, and their designated staff with the appro-
22 priate security clearance, copies of each execute order
23 issued by the Secretary or by a commander of a combatant
24 command before the date of the enactment of this Act.

1 **SEC. 1083. EXTENSION OF NATIONAL SECURITY COMMIS-**
2 **SION ON ARTIFICIAL INTELLIGENCE.**

3 Section 1051 of the John S. McCain National De-
4 fense Authorization Act for Fiscal Year 2019 (Public Law
5 115–232) is amended—

6 (1) in subsection (e)(1), by striking “180 days”
7 and inserting “360 days”; and

8 (2) in subsection (e), by striking “October 1,
9 2020” and inserting “March 1, 2021”.

10 **SEC. 1084. NATIONAL COMMISSION ON MILITARY AVIATION**
11 **SAFETY.**

12 (a) **EXTENSION OF DEADLINE FOR REPORT.**—Sub-
13 section (h)(2) of section 1087 of the John S. McCain Na-
14 tional Defense Authorization Act for Fiscal Year 2019
15 (Public Law 115–232) is amended by striking “March 1,
16 2020” and inserting “December 1, 2020”.

17 (b) **SECRETARY OF DEFENSE REPORT.**—Such sec-
18 tion is further amended by adding at the end the following
19 new subsection:

20 “(1) **REPORT TO CONGRESS.**—Not later than 120
21 days after the date of the submittal of the report under
22 subsection (h)(2), the Secretary of Defense, in coordina-
23 tion with the Secretary of each of the military depart-
24 ments, shall submit to the Committees on Armed Services
25 of the Senate and House of Representatives a report that
26 includes each of the following:

1 “(1) An assessment of the findings and conclu-
2 sions of the Commission.

3 “(2) The plan of the Secretaries for imple-
4 menting the recommendations of the Commission.

5 “(3) Any other actions taken or planned by the
6 Secretary of Defense or the Secretary of any of the
7 military departments to improve military aviation
8 safety.”.

9 (c) **AUTHORIZATION OF APPROPRIATIONS.**—In addi-
10 tion to any other amounts authorized to be appropriated
11 for the National Commission on Military Aviation Safety
12 established under section 1087 of the John S. McCain Na-
13 tional Defense Authorization Act for Fiscal Year 2019
14 (Public Law 115–232), of the amounts authorized to be
15 appropriated for Operation and Maintenance, Defense-
16 wide for fiscal year 2020, as specified in the funding table
17 in section 4301, \$3,000,000 shall be available for the Na-
18 tional Commission on Aviation Safety.

19 **SEC. 1085. EXTENSION OF POSTAGE STAMP FOR BREAST**
20 **CANCER RESEARCH.**

21 Section 414(h) of title 39, United States Code, is
22 amended by striking “2019” and inserting “2027”.

1 **SEC. 1086. PROCESSES AND PROCEDURES FOR NOTIFICA-**
2 **TIONS REGARDING SPECIAL OPERATIONS**
3 **FORCES.**

4 (a) IN GENERAL.—Not later than 180 days after en-
5 actment of this Act, the Secretary of Defense shall estab-
6 lish and submit to the congressional defense committees
7 processes and procedures for providing notifications to the
8 committees regarding members of special operations
9 forces, as identified in section 167(j) of title 10, United
10 States Code.

11 (b) PROCESSES AND PROCEDURES.—The processes
12 and procedures established under subsection (a) shall—

13 (1) clarify the roles and responsibilities of the
14 Secretaries of the military departments, the Assist-
15 ant Secretary of Defense for Special Operations and
16 Low Intensity Conflict, and the Commander of
17 United States Special Operations Command;

18 (2) provide guidance relating to the types of
19 matters that would warrant congressional notifica-
20 tion, including awards, reprimands, incidents, and
21 any other matters the Secretary determines nec-
22 essary;

23 (3) be consistent with the national security of
24 the United States;

25 (4) be designed to protect sensitive information
26 during an ongoing investigation;

1 (5) account for the privacy of members of the
2 Armed Forces; and

3 (6) take in to account existing processes and
4 procedures for notifications to the congressional de-
5 fense committees regarding members of the conven-
6 tional Armed Forces.

7 **SEC. 1087. ASSESSMENT OF STANDARDS, PROCESSES, PRO-**
8 **CEDURES, AND POLICY RELATING TO CIVIL-**
9 **IAN CASUALTIES.**

10 (a) **ASSESSMENT REQUIRED.**—The Secretary of De-
11 fense shall enter into an agreement with a federally funded
12 research and development center for the conduct of an
13 independent assessment of the sufficiency of Department
14 of Defense standards, processes, procedures, and policy re-
15 lating to civilian casualties resulting from United States
16 military operations.

17 (b) **MATTERS TO BE CONSIDERED.**—In conducting
18 the assessment under this section, the federally funded re-
19 search and development center shall consider the following
20 matters:

21 (1) Department of Defense policy relating to ci-
22 vilian casualties resulting from United States mili-
23 tary operations.

24 (2) Standards, processes, and procedures for in-
25 ternal assessments and investigations of civilian cas-

1 ualties resulting from United States military oper-
2 ations.

3 (3) Standards, processes, and procedures for
4 identifying, assessing, investigating, and responding
5 to reports of civilian casualties resulting from United
6 States military operations from the public and non-
7 governmental entities and sources, including the con-
8 sideration of relevant information from all available
9 sources.

10 (4) Combatant command organizational con-
11 structs for assessing and investigating civilian cas-
12 ualties resulting from United States military oper-
13 ations.

14 (5) Mechanisms for public and non-govern-
15 mental entities to report civilian casualties that have
16 resulted from United States military operations to
17 the Department of Defense.

18 (6) Enterprise-wide mechanisms for accurately
19 recording kinetic strikes, including raids, strikes,
20 and other missions, and civilian casualties resulting
21 from United States military operations.

22 (7) Standards, processes, procedures, and policy
23 for reducing the likelihood of civilian casualties from
24 United States military operations.

1 (8) The institutionalization of lessons learned
2 and best practices for reducing the likelihood of ci-
3 vilian casualties and relating to civilian casualties re-
4 sulting from United States military operations.

5 (9) Any other matters the Secretary of Defense
6 determines appropriate.

7 (c) ASSESSMENT RESULTS.—The results of the as-
8 sessment under this section shall—

9 (1) present considerations for improving stand-
10 ards, processes, procedures, policy, and organiza-
11 tional constructs relating to civilian casualties result-
12 ing from military operations;

13 (2) provide for the presentation of Department
14 of Defense views on the assessment; and

15 (3) provide for the presentation of the views of
16 non-governmental organizations on the assessment.

17 (d) REPORT TO CONGRESS.—

18 (1) IN GENERAL.—Not later than March 1,
19 2020, the Secretary of Defense shall submit to the
20 congressional defense committees a report containing
21 the results of the assessment conducted under this
22 section.

23 (2) FORM OF REPORT.—The report under para-
24 graph (1) shall be submitted in unclassified form,
25 but may contain a classified annex.

1 (3) PUBLIC AVAILABILITY.—The Secretary
2 shall make the report under paragraph (1) publicly
3 available.

4 **SEC. 1088. DISPOSAL OF IPV4 ADDRESSES.**

5 (a) DISPOSAL REQUIRED.—

6 (1) IN GENERAL.—Not later than 10 years
7 after the date of the enactment of this Act, the Sec-
8 retary of Defense shall sell all of the IPv4 addresses
9 described in subsection (b) at fair market value. The
10 net proceeds collected from a sale under this section
11 shall be deposited in the General Fund of the Treas-
12 ury.

13 (2) DEADLINES FOR CERTAIN BLOCKS.—Of the
14 IPv4 addresses described in subsection (b), the Sec-
15 retary of Defense shall sell in accordance with para-
16 graph (1)—

17 (A) one block referred to in such sub-
18 section, or an equivalent number of IPv4 ad-
19 dresses, by not later than two years after the
20 date of the enactment of this Act; and

21 (B) one additional such block, or an equiv-
22 alent number of IPv4 addresses, by not later
23 than three years after the date of the enact-
24 ment of this Act.

1 (b) IPv4 ADDRESSES.—The IPv4 addresses de-
2 scribed in this subsection are all IPv4 addresses assigned
3 to any agency or entity of the Department of Defense,
4 including all addresses contained in blocks 6.0.0.0/8,
5 7.0.0.0/8, 11.0.0.0/8, 21.0.0.0/8, 22.0.0.0/8, 26.0.0.0/8,
6 28.0.0.0/8, 29.0.0.0/8, 30.0.0.0/8, 33.0.0.0/8, 55.0.0.0/8,
7 214.0.0.0/8, and 215.0.0.0/8.

8 (c) REPORT TO CONGRESS.—

9 (1) IN GENERAL.—Not later than 180 days
10 after the date of the enactment of this Act, the Sec-
11 retary shall submit to the congressional defense com-
12 mittees a report that includes each of the following:

13 (A) A description of the measures taken by
14 the Secretary regarding the disposal of the
15 IPv4 addresses described in subsection (b).

16 (B) An accounting of the total IPv4 ad-
17 dress holdings of the Department of Defense,
18 as of the date of the submittal of the report.

19 (C) A description of any legacy systems of
20 the Department that are dependent on the IPv4
21 addresses described in subsection (b).

22 (D) The plan of the Secretary to transition
23 all Department addresses to IPv6.

24 (E) Such other information as the Sec-
25 retary determines appropriate.

1 (2) FORM OF REPORT.—The report required by
2 paragraph (1) shall be submitted in unclassified
3 form, but may contain a classified annex.

4 (d) LIMITATION ON USE OF FUNDS.—Of the funds
5 authorized to be appropriated by this Act or otherwise
6 made available for fiscal year 2020 for Operation and
7 Maintenance, Defense-wide, Office of the Secretary of De-
8 fense, for Travel of Persons (OP 32 Line 308), not more
9 than 70 percent may be obligated or expended until the
10 date on which the Secretary of Defense submits to the
11 Committees on Armed Services of the Senate and the
12 House of Representatives the report required under sub-
13 section (c).

14 **SEC. 1089. SECURING AMERICAN SCIENCE AND TECH-**
15 **NOLOGY.**

16 (a) INTERAGENCY WORKING GROUP.—

17 (1) IN GENERAL.—The Director of the Office of
18 Science and Technology Policy, acting through the
19 National Science and Technology Council, in con-
20 sultation with the National Security Advisor, shall
21 establish an interagency working group to coordinate
22 activities to protect federally funded research and
23 development from foreign interference, cyberattacks,
24 theft, or espionage and to develop common defini-
25 tions and best practices for Federal science agencies

1 and grantees, while accounting for the importance of
2 the open exchange of ideas and international talent
3 required for scientific progress and American leader-
4 ship in science and technology.

5 (2) MEMBERSHIP.—

6 (A) IN GENERAL.—The working group
7 shall include a representative of—

8 (i) the National Science Foundation;

9 (ii) the Department of Energy;

10 (iii) the National Aeronautics and
11 Space Administration;

12 (iv) the National Institute of Stand-
13 ards and Technology;

14 (v) the Department of Commerce;

15 (vi) the National Institutes of Health;

16 (vii) the Department of Defense;

17 (viii) the Department of Agriculture;

18 (ix) the Department of Education;

19 (x) the Department of State;

20 (xi) the Department of the Treasury;

21 (xii) the Department of Justice;

22 (xiii) the Department of Homeland
23 Security;

24 (xiv) the Central Intelligence Agency;

1 (xv) the Federal Bureau of Investiga-
2 tion;

3 (xvi) the Office of the Director of Na-
4 tional Intelligence;

5 (xvii) the Office of Management and
6 Budget;

7 (xviii) the National Economic Council;
8 and

9 (xix) such other Federal department
10 or agency as the President considers ap-
11 propriate.

12 (B) CHAIR.—The working group shall be
13 chaired by the Director of the Office of Science
14 and Technology Policy (or the Director's des-
15 ignee).

16 (3) RESPONSIBILITIES OF THE WORKING
17 GROUP.—The working group established under para-
18 graph (1) shall—

19 (A) identify known and potential cyber,
20 physical, and human intelligence threats and
21 vulnerabilities within the United States sci-
22 entific and technological enterprise;

23 (B) coordinate efforts among agencies to
24 share and update important information, in-
25 cluding specific examples of foreign inter-

1 ference, cyberattacks, theft, or espionage di-
2 rected at federally funded research and develop-
3 ment or the integrity of the United States sci-
4 entific enterprise;

5 (C) identify and assess existing mecha-
6 nisms for protection of federally funded re-
7 search and development;

8 (D) develop an inventory of—

9 (i) terms and definitions used across
10 Federal science agencies to delineate areas
11 that may require additional protection; and

12 (ii) policies and procedures at Federal
13 science agencies regarding protection of
14 federally funded research; and

15 (E) develop and periodically update unclas-
16 sified policy guidance to assist Federal science
17 agencies and grantees in defending against
18 threats to federally funded research and devel-
19 opment and the integrity of the United States
20 scientific enterprise that—

21 (i) includes—

22 (I) descriptions of known and po-
23 tential threats to federally funded re-
24 search and development and the integ-

1 rity of the United States scientific en-
2 terprise;

3 (II) common definitions and ter-
4 minology for categorization of re-
5 search and technologies that are pro-
6 tected;

7 (III) identified areas of research
8 or technology that might require addi-
9 tional protection;

10 (IV) recommendations for how
11 control mechanisms can be utilized to
12 protect federally funded research and
13 development from foreign interference,
14 cyberattacks, theft or espionage, in-
15 cluding any recommendations for up-
16 dates to existing control mechanisms;

17 (V) recommendations for best
18 practices for Federal science agencies
19 and grantees to defend against threats
20 to federally funded research and de-
21 velopment, including coordination and
22 harmonization of any relevant report-
23 ing requirements that Federal science
24 agencies implement for grantees;

1 (VI) assessments of potential
2 consequences that any proposed prac-
3 tices would have on international col-
4 laboration and United States leader-
5 ship in science and technology; and

6 (VII) a classified addendum as
7 necessary to further inform Federal
8 science agency decisionmaking; and

9 (ii) accounts for the range of needs
10 across different sectors of the United
11 States science and technology enterprise.

12 (4) COORDINATION WITH NATIONAL ACADEMIES
13 ROUNDTABLE.—The Director of the Office of
14 Science and Technology Policy shall coordinate with
15 the Academies to ensure that at least one member
16 of the interagency working group is also a member
17 of the roundtable under subsection (b).

18 (5) INTERIM REPORT.—Not later than six
19 months after the date of enactment of this Act, the
20 Director of the Office of Science and Technology
21 Policy shall provide a report to the relevant commit-
22 tees that includes the inventory required under para-
23 graph (3)(D), and an update on progress toward de-
24 veloping the policy guidance required under para-

1 graph (3)(E), as well as any additional activities un-
2 dertaken by the working group in that time.

3 (6) BIENNIAL REPORTING.—Two years after
4 the date of enactment of this Act, and at least every
5 two years thereafter, the Director of the Office of
6 Science and Technology Policy shall provide a sum-
7 mary report to the relevant committees on the activi-
8 ties of the working group and the most current
9 version of the policy guidance required under para-
10 graph (3)(E).

11 (b) NATIONAL ACADEMIES SCIENCE, TECHNOLOGY
12 AND SECURITY ROUNDTABLE.—

13 (1) IN GENERAL.—The National Science Foun-
14 dation, the Department of Energy, and the Depart-
15 ment of Defense, and any other agencies as deter-
16 mined by the Director of the Office of Science and
17 Technology Policy, shall enter into a joint agreement
18 with the Academies to create a new “National
19 Science, Technology, and Security Roundtable”
20 (hereinafter in this subsection referred to as the
21 “roundtable”).

22 (2) PARTICIPANTS.—The roundtable shall in-
23 clude senior representatives and practitioners from
24 Federal science, intelligence, and national security
25 agencies, law enforcement, as well as key stake-

1 holders in the United States scientific enterprise in-
2 cluding institutions of higher education, Federal re-
3 search laboratories, industry, and non-profit re-
4 search organizations.

5 (3) PURPOSE.—The purpose of the roundtable
6 is to facilitate among participants—

7 (A) exploration of critical issues related to
8 protecting United States national and economic
9 security while ensuring the open exchange of
10 ideas and international talent required for sci-
11 entific progress and American leadership in
12 science and technology;

13 (B) identification and consideration of se-
14 curity threats and risks involving federally
15 funded research and development, including for-
16 eign interference, cyberattacks, theft, or espio-
17 nage;

18 (C) identification of effective approaches
19 for communicating the threats and risks identi-
20 fied in subparagraph (b) to the academic and
21 scientific community, including through the
22 sharing of unclassified data and relevant case
23 studies;

1 (D) sharing of best practices for address-
2 ing and mitigating the threats and risks identi-
3 fied in subparagraph (B); and

4 (E) examination of potential near- and
5 long-term responses by the government and the
6 academic and scientific community to mitigate
7 and address the risks associated with foreign
8 threats.

9 (4) REPORT AND BRIEFING.—The joint agree-
10 ment under paragraph (1) shall specify that—

11 (A) the roundtable shall periodically orga-
12 nize workshops and issue publicly available re-
13 ports on the topics described in paragraph (3)
14 and the activities of the roundtable; and

15 (B) not later than March 1, 2020, the
16 Academies shall provide a briefing to relevant
17 committees on the progress and activities of the
18 roundtable.

19 (5) AUTHORIZATION OF APPROPRIATIONS.—
20 There is authorized to be appropriated \$5,000,000
21 to the Secretary of Defense for fiscal years 2020 to
22 2024 to carry out this subsection.

23 (c) DEFINITIONS.—In this section:

24 (1) The term “Academies” means the National
25 Academies of Science, Engineering and Medicine.

1 (2) The term “Federal science agency” means
2 any Federal agency with at least \$100,000,000 in
3 basic and applied research obligations in fiscal year
4 2018.

5 (3) The term “grantee” means an entity that
6 is—

7 (A) a recipient or subrecipient of a Federal
8 grant or cooperative agreement; and

9 (B) an institution of higher education or a
10 non-profit organization.

11 (4) The term “relevant committees” means—

12 (A) the Committee on Science, Space, and
13 Technology of the House of Representatives;

14 (B) the Committee on Commerce, Science,
15 and Transportation of the Senate;

16 (C) the Committee on Armed Services of
17 the House of Representatives; and

18 (D) the Committee on Armed Services of
19 the Senate.

20 **SEC. 1090. STANDARDIZED POLICY GUIDANCE FOR CALCULATING AIRCRAFT OPERATION AND SUSTAINMENT COSTS.**

23 Not later than 270 days after the date of the enact-
24 ment of this Act, the Under Secretary of Defense for Ac-
25 quisition and Sustainment, in coordination with the Direc-

1 tor of Cost Analysis and Program Evaluation and in con-
2 sultation with the Secretary of each of the military serv-
3 ices, shall develop and implement standardized policy
4 guidance for calculating aircraft operation and
5 sustainment costs for the Department of Defense. Such
6 guidance shall provide for a standardized calculation of—

- 7 (1) aircraft cost per flying hour;
- 8 (2) aircraft cost per aircraft tail per year; and
- 9 (3) total cost of ownership per flying hour for
10 aircraft systems.

11 **SEC. 1091. SPECIAL FEDERAL AVIATION REGULATION**
12 **WORKING GROUP.**

13 (a) **IN GENERAL.**—Not later than 90 days after the
14 date of the enactment of this Act, the Secretary of De-
15 fense, the Secretary of Transportation, and the Secretary
16 of State, shall jointly establish a Special Federal Aviation
17 Regulation (in this section referred to as the “SFAR”)
18 interagency working group to review the current options
19 for the Department of Defense to use contracted United
20 States civil aviation to provide support for Department of
21 Defense missions in areas where a Federal Aviation Ad-
22 ministration SFAR is in effect.

23 (b) **DUTIES.**—The working group shall—

- 24 (1) analyze all options currently available for
25 the Department of Defense to use contracted United

1 States civil aviation to provide support for Depart-
2 ment of Defense missions in areas where a Federal
3 Aviation Administration SFAR is in effect;

4 (2) review existing processes of the Department
5 of Defense, the Federal Aviation Administration,
6 and the Department of State, with respect to the
7 Department of Defense's use of contracted United
8 States civil aviation in areas where a Federal Avia-
9 tion Administration SFAR is in effect;

10 (3) identify any issues, inefficiencies, or con-
11 cerns with the existing options and processes, includ-
12 ing safety of flight, legal considerations, mission de-
13 livery, and security considerations; and

14 (4) develop recommendations, if any, to improve
15 existing processes or expand the options available for
16 the Department of Defense to use contracted United
17 States civil aviation to provide support to Depart-
18 ment of Defense missions in areas where a Federal
19 Aviation Administration SFAR is in effect.

20 (c) MEMBERS.—

21 (1) APPOINTMENT.—The Secretary of Defense,
22 the Secretary of Transportation, and the Secretary
23 of State shall each appoint not more than 5 mem-
24 bers to the working group with expertise in civil
25 aviation safety, state aircraft operations, the provi-

1 sion of contracted aviation support to the Depart-
2 ment of Defense, and the coordination of such ef-
3 forts between the Department of Defense, the De-
4 partment of State, and the Federal Aviation Admin-
5 istration. The 5 members appointed by the Secretary
6 of Transportation shall include at least 3 members
7 from the Federal Aviation Administration.

8 (2) QUALIFICATIONS.—All working group mem-
9 bers shall be full-time employees of the Federal Gov-
10 ernment with appropriate security clearances to
11 allow discussion of all classified information and ma-
12 terials necessary to fulfill the working group's duties
13 pursuant to subsection (b).

14 (d) REPORT.—Not later than 1 year after the date
15 it is established, the working group shall submit a report
16 on its findings and any recommendations developed pursu-
17 ant to subsection (b) to the congressional defense commit-
18 tees, the Committee on Commerce, Science, and Transpor-
19 tation of the Senate, and the Committee on Transpor-
20 tation and Infrastructure of the House of Representatives.

21 (e) TERMINATION.—The working group shall termi-
22 nate 90 days after the date the report is submitted under
23 subsection (d).

24 (f) DEFINITIONS.—In this section the following defi-
25 nitions apply:

1 (1) The term “United States civil aviation”
2 means—

3 (A) United States air carriers and United
4 States commercial operators;

5 (B) persons exercising the privileges of an
6 airman certificate issued by the FAA, except
7 such persons operating United States-registered
8 aircraft for a foreign air carrier; and

9 (C) operators of civil aircraft registered in
10 the United States, except where the operator of
11 such aircraft is a foreign air carrier.

12 (2) The term “Federal Aviation Administration
13 SFAR” means the Special Federal Aviation Regula-
14 tion included under subpart M of part 91 of title 14,
15 Code of Federal Regulations.

16 **TITLE XI—CIVILIAN PERSONNEL** 17 **MATTERS**

18 **SEC. 1101. DEFENSE ADVANCED RESEARCH PROJECTS** 19 **AGENCY PERSONNEL MANAGEMENT AU-** 20 **THORITY.**

21 Section 1599h(b)(1)(B) of title 10, United States
22 Code, is amended by striking “100 positions” and insert-
23 ing “140 positions”.

1 **SEC. 1102. MODIFICATION OF PROBATIONARY PERIOD FOR**
2 **CERTAIN DEPARTMENT OF DEFENSE EM-**
3 **PLOYEES.**

4 (a) IN GENERAL.—Section 1599e of title 10, United
5 States Code, is amended by—

6 (1) striking subsection (a) and inserting the fol-
7 lowing:

8 “(a) IN GENERAL.—Notwithstanding sections 3321
9 and 3393(d) of title 5, the probationary period applicable
10 under those sections to a covered employee may be ex-
11 tended by the Secretary concerned at the discretion of
12 such Secretary.”; and

13 (2) by striking subsection (d).

14 (b) CONFORMING AMENDMENTS.—Title 5, United
15 States Code, is amended—

16 (1) in section 7501(1), by striking “, except as
17 provided in section 1599e of title 10,”; and

18 (2) in section 7511(a)(1)(A)(ii), by striking
19 “except as provided in section 1599e of title 10,”.

20 (c) APPLICATION.—The amendments made by this
21 section shall apply to any covered employee (as that term
22 is defined in paragraph (1) of section 1599e(b) of title
23 10, United States Code) appointed to a position described
24 under subparagraph (A) or (B) of such paragraph on or
25 after the date of the enactment of this Act.

1 **SEC. 1103. CIVILIAN PERSONNEL MANAGEMENT.**

2 Section 129 of title 10, United States Code, is
3 amended—

4 (1) in subsection (a)—

5 (A) in the first sentence, by striking “each
6 fiscal year” and inserting “each fiscal year sole-
7 ly”; and

8 (B) in the second sentence—

9 (i) by striking “Any” and inserting
10 “The management of such personnel in
11 any fiscal year shall not be subject to
12 any”; and

13 (ii) by striking “shall be developed”
14 and all that follows through “changed cir-
15 cumstances”; and

16 (2) in subsection (c)(2)—

17 (A) in each of subparagraphs (A) and (B),
18 by inserting “and associated costs” after each
19 instance of “projected size”; and

20 (B) in subparagraph (B), by striking “that
21 have been taken” and all that follows through
22 the period and inserting “to reduce the overall
23 costs of the total force of military, civilian, and
24 contract workforces.”.

1 **SEC. 1104. 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 as most recently amended by section 1115 of
12 the John S. McCain National Defense Authorization Act
13 for Fiscal Year 2019 (Public Law 115–232), is further
14 amended by striking “2020” and inserting “2021”.

15 **SEC. 1105. ONE-YEAR EXTENSION OF AUTHORITY TO WAIVE**
16 **ANNUAL LIMITATION ON PREMIUM PAY AND**
17 **AGGREGATE LIMITATION ON PAY FOR FED-**
18 **ERAL CIVILIAN EMPLOYEES WORKING OVER-**
19 **SEAS.**

20 (a) **EXTENSION OF AUTHORITY.**—Section 1101(a) of
21 the Duncan Hunter National Defense Authorization Act
22 for Fiscal Year 2009 (Public Law 110–417; 122 Stat.
23 4615), as most recently amended by section 1104 of the
24 John S. McCain National Defense Authorization Act for
25 Fiscal Year 2019 (Public Law 115–232), is further

1 amended by striking “through 2019” and inserting
2 “through 2020”.

3 (b) **EFFECTIVE DATE.**—The amendment made by
4 this section shall take effect on January 1, 2020.

5 **SEC. 1106. PERFORMANCE OF CIVILIAN FUNCTIONS BY**
6 **MILITARY PERSONNEL.**

7 Subparagraph (B) of paragraph (1) of subsection (g)
8 of section 129a of title 10, United States Code, is amend-
9 ed to read as follows:

10 “(B) such functions may be performed by
11 military personnel for a period that does not ex-
12 ceed one year if the Secretary of the military
13 department concerned determines that—

14 “(i) the performance of such functions
15 by military personnel is required to ad-
16 dress critical staffing needs resulting from
17 a reduction in personnel or budgetary re-
18 sources by reason of an Act of Congress;
19 and

20 “(ii) the military department con-
21 cerned is in compliance with the policies,
22 procedures, and analysis required by this
23 section and section 129 of this title.”.

1 **SEC. 1107. EXTENSION OF DIRECT HIRE AUTHORITY FOR**
2 **DOMESTIC INDUSTRIAL BASE FACILITIES**
3 **AND MAJOR RANGE AND TEST FACILITIES**
4 **BASE.**

5 (a) IN GENERAL.—Subsection (a) of section 1125 of
6 the National Defense Authorization Act for Fiscal Year
7 2017 (Public Law 114–328), as amended by subsection
8 (a) of section 1102 of the National Defense Authorization
9 Act for Fiscal Year 2018 (Public Law 115–91), is further
10 amended by striking “through 2021,” and inserting
11 “through 2025,”.

12 (b) BRIEFING.—Subsection (b) of such section 1102
13 is amended by striking “fiscal years 2019 and 2021” and
14 inserting “fiscal years 2019 through 2025”.

15 **SEC. 1108. AUTHORITY TO PROVIDE ADDITIONAL ALLOW-**
16 **ANCES AND BENEFITS FOR CERTAIN DE-**
17 **ENSE CLANDESTINE SERVICE EMPLOYEES.**

18 Section 1603 of title 10, United States Code, is
19 amended by adding at the end the following new sub-
20 section:

21 “(c) ADDITIONAL ALLOWANCES AND BENEFITS FOR
22 CERTAIN EMPLOYEES OF THE DEFENSE CLANDESTINE
23 SERVICE.—(1) Beginning on the date on which the Sec-
24 retary of Defense submits the report under paragraph
25 (3)(A), in addition to the authority to provide compensa-
26 tion under subsection (a), the Secretary may provide a

1 covered employee allowances and benefits under paragraph
2 (1) of section 9904 of title 5 without regard to the limita-
3 tions in that section—

4 “(A) that the employee be assigned to activities
5 outside the United States; or

6 “(B) that the activities to which the employee
7 is assigned be in support of Department of Defense
8 activities abroad.

9 “(2) The Secretary may not provide allowances and
10 benefits under paragraph (1) to more than 125 covered
11 employees per year.

12 “(3)(A) The Secretary shall submit to the appro-
13 priate congressional committees a report containing a
14 strategy addressing the mission of the Defense Clandes-
15 tine Service during the period covered by the most recent
16 future-years defense program submitted under section 221
17 of this title, including—

18 “(i) how such mission will evolve during such
19 period;

20 “(ii) how the authority provided by paragraph
21 (1) will assist the Secretary in carrying out such
22 mission; and

23 “(iii) an implementation plan for carrying out
24 paragraph (1), including a projection of how much
25 the amount of the allowances and benefits provided

1 under such paragraph compare with the amount of
2 the allowances and benefits provided before the date
3 of the report.

4 “(B) Not later than December 31, 2020, and each
5 year thereafter, the Secretary shall submit to the appro-
6 priate congressional committees a report, with respect to
7 the fiscal year preceding the date on which the report is
8 submitted—

9 “(i) identifying the number of covered employ-
10 ees for whom the Secretary provided allowances and
11 benefits under paragraph (1); and

12 “(ii) evaluating the efficacy of such allowances
13 and benefits in enabling the execution of the objec-
14 tives of the Defense Intelligence Agency.

15 “(C) The reports under subparagraphs (A) and (B)
16 may be submitted in classified form.

17 “(4) In this subsection:

18 “(A) The term ‘appropriate congressional com-
19 mittees’ means—

20 “(i) the congressional defense committees;
21 and

22 “(ii) the Permanent Select Committee on
23 Intelligence of the House of Representatives
24 and the Select Committee on Intelligence of the
25 Senate.

1 “(B) The term ‘covered employee’ means an
2 employee in a defense intelligence position who is as-
3 signed to the Defense Clandestine Service at a loca-
4 tion in the United States that the Secretary deter-
5 mines has living costs equal to or higher than the
6 District of Columbia.”.

7 **SEC. 1109. PROHIBITED PERSONNEL PRACTICES.**

8 (a) IN GENERAL.—Section 2302 of title 5, United
9 States Code, is amended by adding at the end the fol-
10 lowing:

11 “(g)(1) All protections afforded to an employee under
12 subparagraphs (A), (B), and (D) of subsection (b)(1) shall
13 be afforded, in the same manner and to the same extent,
14 to an intern and an applicant for internship.

15 “(2) For purposes of the application of this sub-
16 section, a reference to an employee shall be considered a
17 reference to an intern in—

18 “(A) section 717 of the Civil Rights Act of
19 1964 (42 U.S.C. 2000e–16);

20 “(B) sections 12 and 15 of the Age Discrimina-
21 tion in Employment Act of 1967 (29 U.S.C. 631,
22 633a); and

23 “(C) section 501 of the Rehabilitation Act of
24 1973 (29 U.S.C. 791).

1 “(3) In this subsection, the term ‘intern’ means an
2 individual who performs uncompensated voluntary service
3 in an agency to earn credit awarded by an educational in-
4 stitution or to learn a trade or occupation.”.

5 (b) CONFORMING AMENDMENT.—Section 3111(c)(1)
6 of title 5, United States Code, is amended by inserting
7 “section 2302(g) (relating to prohibited personnel prac-
8 tices),” before “chapter 81”.

9 **SEC. 1110. ENHANCEMENT OF ANTIDISCRIMINATION PRO-**
10 **TECTIONS FOR FEDERAL EMPLOYEES.**

11 (a) SENSE OF CONGRESS.—Section 102 of the Notifi-
12 cation and Federal Employee Antidiscrimination and Re-
13 taliation Act of 2002 (5 U.S.C. 2301 note) is amended—

14 (1) in paragraph (4), to read as follows:

15 “(4) accountability in the enforcement of Fed-
16 eral employee rights is furthered when Federal agen-
17 cies take appropriate disciplinary action against
18 Federal employees who have been found to have
19 committed discriminatory or retaliatory acts;” and

20 (2) in paragraph (5)(A)—

21 (A) by striking “nor is accountability” and
22 inserting “but accountability is not”; and

23 (B) by inserting “for what by law the
24 agency is responsible” after “under this Act”.

1 (b) NOTIFICATION OF VIOLATION.—Section 202 of
2 the Notification and Federal Employee Antidiscrimination
3 and Retaliation Act of 2002 (5 U.S.C. 2301 note) is
4 amended by adding at the end the following:

5 “(d) NOTIFICATION OF FINAL AGENCY ACTION.—

6 “(1) Not later than 30 days after a Federal
7 agency takes final action or the Equal Employment
8 Opportunity Commission issues an appellate decision
9 involving a finding of discrimination or retaliation
10 prohibited by a provision of law covered by para-
11 graph (1) or (2) of section 201(a), as applicable, the
12 head of the agency subject to the finding shall pro-
13 vide notice for at least 1 year on the agency’s inter-
14 net website in a clear and prominent location linked
15 directly from the agency’s internet home page stat-
16 ing that a finding of discrimination or retaliation
17 has been made.

18 “(2) The notification shall identify the date the
19 finding was made, the date or dates on which the
20 discriminatory or retaliatory act or acts occurred,
21 and the law or laws violated by the discriminatory
22 or retaliatory act or acts. The notification shall also
23 advise Federal employees of the rights and protec-
24 tions available under the respective provisions of law
25 covered by paragraph (1) or (2) of section 201(a).”.

1 (c) REPORTING REQUIREMENTS.—

2 (1) ELECTRONIC FORMAT REQUIREMENT.—

3 (A) IN GENERAL.—Section 203(a) of the
4 Notification and Federal Employee Anti-
5 discrimination and Retaliation Act of 2002 (5
6 U.S.C. 2301 note) is amended—

7 (i) by inserting “Homeland Security
8 and” before “Governmental Affairs”;

9 (ii) by inserting “Oversight and” be-
10 fore “Government Reform”; and

11 (iii) by inserting “(in an electronic
12 format prescribed by the Office of Per-
13 sonnel Management)” after “an annual re-
14 port”.

15 (B) EFFECTIVE DATE.—The amendment
16 made by paragraph (1)(C) shall take effect on
17 the date that is 1 year after the date of enact-
18 ment of this Act.

19 (C) TRANSITION PERIOD.—Notwith-
20 standing the requirements of section 203(a) of
21 the Notification and Federal Employee Anti-
22 discrimination and Retaliation Act of 2002 (5
23 U.S.C. 2301 note), the report required under
24 such section may be submitted in an electronic
25 format, as prescribed by the Office of Personnel

1 Management, during the period beginning on
2 the date of enactment of this Act and ending on
3 the effective date in paragraph (2).

4 (2) REPORTING REQUIREMENT FOR DISCIPLI-
5 NARY ACTION.—Section 203 of such Act is amended
6 by adding at the end the following:

7 “(c) DISCIPLINARY ACTION REPORT.—Not later
8 than 60 days after the date on which a Federal agency
9 takes final action or a Federal agency receives an appel-
10 late decision issued by the Equal Employment Oppor-
11 tunity Commission involving a finding of discrimination
12 or retaliation in violation of a provision of law covered by
13 paragraph (1) or (2) of section 201(a), as applicable, the
14 employing Federal agency shall submit to the Commission
15 a report stating whether disciplinary action has been initi-
16 ated against a Federal employee as a result of the viola-
17 tion.”.

18 (d) DATA TO BE POSTED BY EMPLOYING FEDERAL
19 AGENCIES.—Section 301(b) of the Notification and Fed-
20 eral Employee Antidiscrimination and Retaliation Act of
21 2002 (5 U.S.C. 2301 note) is amended—

22 (1) in paragraph (9)—

23 (A) in subparagraph (A), by striking
24 “and” at the end;

1 (B) in subparagraph (B)(ii), by striking
2 the period at the end and inserting “, and”;
3 and

4 (C) by adding at the end the following:

5 “(C) for each such finding counted under
6 subparagraph (A), the agency shall specify—

7 “(i) the date of the finding;

8 “(ii) the affected agency;

9 “(iii) the law violated; and

10 “(iv) whether a decision has been
11 made regarding necessary disciplinary ac-
12 tion as a result of the finding.”; and

13 (2) by adding at the end the following:

14 “(11) Data regarding each class action com-
15 plaint filed against the agency alleging discrimina-
16 tion or retaliation, including—

17 “(A) information regarding the date on
18 which each complaint was filed;

19 “(B) a general summary of the allegations
20 alleged in the complaint;

21 “(C) an estimate of the total number of
22 plaintiffs joined in the complaint if known;

23 “(D) the current status of the complaint,
24 including whether the class has been certified;
25 and

1 “(E) the case numbers for the civil actions
2 in which discrimination or retaliation has been
3 found.”.

4 (e) DATA TO BE POSTED BY THE EQUAL EMPLOY-
5 MENT OPPORTUNITY COMMISSION.—Section 302(b) of the
6 Notification and Federal Employee Antidiscrimination
7 and Retaliation Act of 2002 (5 U.S.C. 2301 note) is
8 amended by striking “(10)” and inserting “(11)”.

9 (f) NOTIFICATION AND FEDERAL EMPLOYEE ANTI-
10 DISCRIMINATION AND RETALIATION ACT AMEND-
11 MENTS.—

12 (1) NOTIFICATION REQUIREMENTS.—The Noti-
13 fication and Federal Employee Antidiscrimination
14 and Retaliation Act of 2002 (5 U.S.C. 2301 note)
15 is amended by adding after section 206 the fol-
16 lowing:

17 **“SEC. 207. COMPLAINT TRACKING.**

18 “Not later than 1 year after the date of enactment
19 of the Federal Employee Antidiscrimination Act of 2019,
20 each Federal agency shall establish a system to track each
21 complaint of discrimination arising under section
22 2302(b)(1) of title 5, United States Code, and adjudicated
23 through the Equal Employment Opportunity process from
24 inception to resolution of the complaint, including whether

1 a decision has been made regarding necessary disciplinary
2 action as the result of a finding of discrimination.

3 **“SEC. 208. NOTATION IN PERSONNEL RECORD.**

4 “If a Federal agency takes an adverse action covered
5 under section 7512 of title 5, United States Code, against
6 a Federal employee for an act of discrimination or retalia-
7 tion prohibited by a provision of law covered by paragraph
8 (1) or (2) of section 201(a), the agency shall, after all
9 appeals relating to such action have been exhausted, in-
10 clude a notation of the adverse action and the reason for
11 the action in the employee’s personnel record.”.

12 (2) PROCESSING AND REFERRAL.—The Notifi-
13 cation and Federal Employee Antidiscrimination and
14 Retaliation Act of 2002 (5 U.S.C. 2301 note) is
15 amended by adding at the end the following:

16 **“TITLE IV—PROCESSING AND**
17 **REFERRAL**

18 **“SEC. 401. PROCESSING AND RESOLUTION OF COMPLAINTS.**

19 “Each Federal agency is responsible for the fair, im-
20 partial processing and resolution of complaints of employ-
21 ment discrimination and retaliation arising in the Federal
22 administrative process and shall establish a model Equal
23 Employment Opportunity Program that—

1 “(1) is not under the control, either structurally
2 or practically, of a Human Capital or General Coun-
3 sel office;

4 “(2) is devoid of internal conflicts of interest
5 and ensures fairness and inclusiveness within the or-
6 ganization; and

7 “(3) ensures the efficient and fair resolution of
8 complaints alleging discrimination or retaliation.

9 **“SEC. 402. NO LIMITATION ON HUMAN CAPITAL OR GEN-
10 ERAL COUNSEL ADVICE.**

11 “Nothing in this title shall prevent a Federal agency’s
12 Human Capital or General Counsel office from providing
13 advice or counsel to Federal agency personnel on the proc-
14 essing and resolution of a complaint, including providing
15 legal representation to a Federal agency in any pro-
16 ceeding.

17 **“SEC. 403. HEAD OF PROGRAM REPORTS TO HEAD OF
18 AGENCY.**

19 “‘The head of each Federal agency’s Equal Employ-
20 ment Opportunity Program shall report directly to the
21 head of the agency.

22 **“SEC. 404. REFERRALS OF FINDINGS OF DISCRIMINATION.**

23 “(a) EEOC FINDINGS OF DISCRIMINATION.—Not
24 later than 30 days after the Equal Employment Oppor-
25 tunity Commission issues an appellate decision involving

1 a finding of discrimination or retaliation within a Federal
2 agency, the Commission shall refer the matter to the Of-
3 fice of Special Counsel.

4 “(b) REFERRALS TO SPECIAL COUNSEL.—The Office
5 of Special Counsel shall accept and review a referral from
6 the Commission under subsection (a) for purposes of seek-
7 ing disciplinary action under its authority against a Fed-
8 eral employee who commits an act of discrimination or re-
9 taliation.

10 “(c) NOTIFICATION.—The Office of Special Counsel
11 shall notify the Commission in a case in which the Office
12 of Special Counsel initiates disciplinary action.

13 “(d) SPECIAL COUNSEL APPROVAL.—A Federal
14 agency may not take disciplinary action against a Federal
15 employee for an alleged act of discrimination or retaliation
16 referred by the Commission under this section except in
17 accordance with the requirements of section 1214(f) of
18 title 5, United States Code.”.

19 (3) CONFORMING AMENDMENTS.—The table of
20 contents in section 1(b) of the Notification and Fed-
21 eral Employee Antidiscrimination and Retaliation
22 Act of 2002 (5 U.S.C. 2301 note) is amended—

23 (A) by inserting after the item relating to
24 section 206 the following:

“Sec. 207. Complaint tracking.

“Sec. 208. Notation in personnel record.”;

1 and

2 (B) by adding at the end the following:

“TITLE IV—PROCESSING AND REFERRAL

“Sec. 401. Processing and resolution of complaints.

“Sec. 402. No limitation on Human Capital or General Counsel advice.

“Sec. 403. Head of Program reports to head of agency.

“Sec. 404. Referrals of findings of discrimination.”.

3 (g) NONDISCLOSURE AGREEMENT LIMITATION.—

4 Section 2302(b) of title 5, United States Code, is amend-
5 ed—

6 (1) in paragraph (13)—

7 (A) by inserting “or the Office of Special
8 Counsel” after “Inspector General”;

9 (B) by striking “implement” and inserting
10 “(A) implement”; and

11 (C) by striking the period that follows the
12 quoted material and inserting “; or”; and

13 (2) by adding after subparagraph (A), as added
14 by paragraph (1)(B), and preceding the flush left
15 matter that follows paragraph (13), the following:

16 “(B) implement or enforce any nondiscl-
17 sure policy, form, or agreement, if such policy,
18 form, or agreement prohibits or restricts an em-
19 ployee from disclosing to Congress, the Office of
20 Special Counsel, or an Office of the Inspector
21 General any information that relates to any vio-
22 lation of any law, rule, or regulation, or mis-

1 management, a gross waste of funds, an abuse
2 of authority, or a substantial, and specific dan-
3 ger to public health or safety, or any other
4 whistleblower protection.”.

5 **SEC. 1111. MODIFICATION OF DIRECT HIRE AUTHORITIES**
6 **FOR THE DEPARTMENT OF DEFENSE.**

7 (a) IN GENERAL.—Section 9905 of title 5, United
8 States Code, is amended—

9 (1) in subsection (a)—

10 (A) by amending paragraph (2) to read as
11 follows:

12 “(2) Any cyber workforce position.”; and

13 (B) by adding afer paragraph (4) the fol-
14 lowing:

15 “(5) Any scientific, technical, engineering, or
16 mathematics positions, including technicians, within
17 the defense acquisition workforce, or any category of
18 acquisition positions within the Department des-
19 ignated by the Secretary as a shortage or critical
20 need category.

21 “(6) Any scientific, technical, engineering, or
22 mathematics position, except any such position with-
23 in any defense Scientific and Technology Reinv-
24 tion Laboratory, for which a qualified candidate is
25 required to possess a bachelor’s degree or an ad-

1 vanced degree, or for which a veteran candidate is
2 being considered.

3 “(7) Any category of medical or health profes-
4 sional positions within the Department designated
5 by the Secretary as a shortage category or critical
6 need occupation.

7 “(8) Any childcare services position for which
8 there is a critical hiring need and a shortage of
9 childcare providers.

10 “(9) Any financial management, accounting,
11 auditing, actuarial, cost estimation, operational re-
12 search, or business or business administration posi-
13 tion, for which a qualified candidate is required to
14 possess a finance, accounting, management or actu-
15 arial science degree or a related degree, or a related
16 degree equivalent experience.

17 “(10) Any position, as determined by the Sec-
18 retary, for the purpose of assisting and facilitating
19 the efforts of the Department in business trans-
20 formation and management innovation.”; and

21 (2) by striking subsection (b) and inserting the
22 following:

23 “(b) SUNSET.—

1 “(1) IN GENERAL.—Except as provided in para-
2 graph (2), effective on September 30, 2025, the au-
3 thority provided under subsection (a) shall expire.

4 “(2) EXCEPTION.—Paragraph (1) shall not
5 apply to the authority provided under subsection (a)
6 to make appointments to positions described under
7 paragraph (5) of such subsection.

8 “(c) SUSPENSION OF OTHER HIRING AUTHORI-
9 TIES.—During the period beginning on the effective date
10 of the regulations issued to carry out the hiring authority
11 with respect to positions described in paragraphs (5)
12 through (10) of subsection (a) and ending on the date de-
13 scribed in subsection (b)(1), the Secretary of Defense may
14 not exercise or otherwise use any hiring authority provided
15 under the following provisions of law:

16 “(1) Sections 1599c(a)(2) and 1705(h) of title
17 10.

18 “(2) Sections 1112 and 1113 of the National
19 Defense Authorization Act for Fiscal Year 2016
20 (Public Law 114–92; 129 Stat. 1033).

21 “(3) Sections 1110 and 1643(a)(3) of the Na-
22 tional Defense Authorization Act for Fiscal Year
23 2017 (Public Law 114–328; 130 Stat. 2450 and
24 2602).

1 “(4) Sections 559 and 1101 of the National
2 Defense Authorization Act for Fiscal Year 2018
3 (Public Law 115–91).”.

4 (b) REPORT.—

5 (1) IN GENERAL.—Not later than February 1,
6 2021, the Secretary of Defense, in coordination with
7 the Director of the Office of Personnel Management,
8 shall contract with a Federally funded research and
9 development center to submit a report to the con-
10 gressional defense committees and the Committee on
11 Oversight and Reform of the House of Representa-
12 tives.

13 (2) CONTENTS.—The report required under
14 paragraph (1) shall—

15 (A) assess and identify steps that could be
16 taken to improve the competitive hiring process
17 at the Department and ensure that direct hir-
18 ing is conducted in a manner consistent with
19 ensuring a merit based civil service and a di-
20 verse workforce in the Department and the rest
21 of the Federal Government; and

22 (B) consider the feasibility and desirability
23 of using cohort hiring, or hiring “talent pools”,
24 instead of conducting all hiring on a position-
25 by-position basis.

1 (3) OTHER MATTERS.—The Federally funded
2 research and development center selected to carry
3 out the report under this subsection shall, in pre-
4 paring such report, consult with all stakeholders,
5 public sector unions, hiring managers, career agency,
6 and Office of Personnel Management personnel spe-
7 cialists, and survey public sector employees and job
8 applicants, when developing its analysis and rec-
9 ommendations.

10 **SEC. 1112. PERMITTED DISCLOSURES BY WHISTLE-**
11 **BLOWERS.**

12 (a) RECIPIENTS OF WHISTLEBLOWER DISCLO-
13 SURES.—Section 2302(b)(8)(B) of title 5, United States
14 Code, is amended by striking “or to the Inspector” and
15 all that follows through “such disclosures” and inserting
16 “the Inspector General of an agency, a supervisor in the
17 employee’s direct chain of command up to and including
18 the head of the employing agency, or to an employee des-
19 igned by any of the aforementioned individuals for the
20 purpose of receiving such disclosures”.

21 (b) DETERMINATION OF BUDGETARY EFFECTS.—
22 The budgetary effects of this section, for the purpose of
23 complying with the Statutory Pay-As-You-Go Act of 2010,
24 shall be determined by reference to the latest statement
25 titled “Budgetary Effects of PAYGO Legislation” for this

1 section, submitted for printing in the Congressional
2 Record by the Chairman of the House Budget Committee,
3 provided that such statement has been submitted prior to
4 the vote on passage.

5 **TITLE XII—MATTERS RELATING**
6 **TO FOREIGN NATIONS**
7 **Subtitle A—Assistance and**
8 **Training**

9 **SEC. 1201. MODIFICATION OF AUTHORITY TO BUILD CAPAC-**
10 **ITY OF FOREIGN SECURITY FORCES.**

11 (a) **AUTHORITY.**—Subsection (a)(7) of section 333 of
12 title 10, United States Code, is amended by inserting “ex-
13 isting” before “international coalition operation”.

14 (b) **NOTICE AND WAIT ON ACTIVITIES UNDER PRO-**
15 **GRAMS.**—Subsection (e) of such section is amended by
16 adding at the end the following:

17 “(9) In the case of a program described in sub-
18 section (a)(7), each of the following:

19 “(A) A description of whether assistance
20 under the program could be provided pursuant
21 to other authorities under this title, the Foreign
22 Assistance Act of 1961, or any other train and
23 equip authorities of the Department of Defense.

24 “(B) An identification of each such author-
25 ity described in subparagraph (A).”.

1 **SEC. 1202. MODIFICATION AND EXTENSION OF CROSS**
2 **SERVICING AGREEMENTS FOR LOAN OF PER-**
3 **SONNEL PROTECTION AND PERSONNEL SUR-**
4 **VIVABILITY EQUIPMENT IN COALITION OPER-**
5 **ATIONS.**

6 Section 1207 of the Carl Levin and Howard P.
7 “Buck” McKeon National Defense Authorization Act for
8 Fiscal Year 2015 (10 U.S.C. 2342 note) is amended—

9 (1) by redesignating subsections (d) and (e) as
10 subsections (e) and (f), respectively;

11 (2) by inserting after subsection (c) the fol-
12 lowing:

13 “(d) REPORTS TO CONGRESS.—If the authority pro-
14 vided under this section is exercised during a fiscal year,
15 the Secretary of Defense shall, with the concurrence of
16 the Secretary of State, submit to the appropriate commit-
17 tees of Congress a report on the exercise of such authority
18 by not later than October 30 of the year in which such
19 fiscal year ends. Each report on the exercise of such au-
20 thority shall specify the recipient country of the equipment
21 loaned, the type of equipment loaned, and the duration
22 of the loan of such equipment.”; and

23 (3) in subsection (f), as redesignated, by strik-
24 ing “September 30, 2019” and inserting “December
25 31, 2024”.

1 **SEC. 1203. MODIFICATION OF QUARTERLY REPORT ON OB-**
2 **LIGATION AND EXPENDITURE OF FUNDS FOR**
3 **SECURITY COOPERATION PROGRAMS AND**
4 **ACTIVITIES.**

5 Section 381(b) of title 10, United States Code, is
6 amended by striking “30 days” and inserting “60 days”.

7 **SEC. 1204. INTEGRATION OF GENDER PERSPECTIVES AND**
8 **MEANINGFUL PARTICIPATION BY WOMEN IN**
9 **SECURITY COOPERATION AUTHORITIES.**

10 Section 333(c)(3) of title 10, United States Code, is
11 amended—

12 (1) in the heading, by inserting “THE INTEGRA-
13 TION OF GENDER PERSPECTIVES AND MEANINGFUL
14 PARTICIPATION BY WOMEN,” after “FUNDAMENTAL
15 FREEDOMS,”; and

16 (2) in the text, by inserting “the integration of
17 gender perspectives and meaningful participation by
18 women,” after “fundamental freedoms,”.

19 **Subtitle B—Matters Relating to**
20 **Afghanistan and Pakistan**

21 **SEC. 1211. EXTENSION AND MODIFICATION OF AUTHORITY**
22 **FOR REIMBURSEMENT OF CERTAIN COALI-**
23 **TION NATIONS FOR SUPPORT PROVIDED TO**
24 **UNITED STATES MILITARY OPERATIONS.**

25 (a) **EXTENSION.**—Subsection (a) of section 1233 of
26 the National Defense Authorization Act for Fiscal Year

1 2008 (Public Law 110– 181; 122 Stat. 393) is amended
2 in the matter preceding paragraph (1) by striking “Octo-
3 ber 1, 2018, and ending on December 31, 2019” and in-
4 serting “October 1, 2019, and ending on December 31,
5 2020”.

6 (b) MODIFICATION TO LIMITATION.—Subsection
7 (d)(1) of such section is amended—

8 (1) by striking “October 1, 2018, and ending
9 on December 31, 2019” and inserting “October 1,
10 2019, and ending on December 31, 2020”; and

11 (2) by striking “\$350,000,000” and inserting
12 “\$450,000,000”.

13 **SEC. 1212. MODIFICATION AND EXTENSION OF AFGHAN**
14 **SPECIAL IMMIGRANT VISA PROGRAM.**

15 (a) PRINCIPAL ALIENS.—Subclause (I) of section
16 602(b)(2)(A)(ii) of the Afghan Allies Protection Act of
17 2009 (8 U.S.C. 1101 note) is amended to read as follows:

18 (I) by, or on behalf of, the
19 United States Government; or”.

20 (b) EXTENSION OF AFGHAN SPECIAL IMMIGRANT
21 PROGRAM.—Section 602(b)(3)(F) of the Afghan Allies
22 Protection Act of 2009 (8 U.S.C. 1101 note) is amend-
23 ed—

24 (1) in the heading, by striking “2015, 2016, AND
25 2017” and inserting “2015 THROUGH 2020”;

1 (2) in the matter preceding clause (i), by strik-
2 ing “18,500” and inserting “18,800”;

3 (3) in clause (i), by striking “December 31,
4 2020” and inserting “December 31, 2021”; and

5 (4) in clause (ii), by striking “December 31,
6 2020” and inserting “December 31, 2021”.

7 **SEC. 1213. EXTENSION OF AUTHORITY TO TRANSFER DE-**
8 **FENSE ARTICLES AND PROVIDE DEFENSE**
9 **SERVICES TO THE MILITARY AND SECURITY**
10 **FORCES OF AFGHANISTAN.**

11 (a) **EXTENSION OF AUTHORITY.**—Subsection (h) of
12 section 1222 of the National Defense Authorization Act
13 for Fiscal Year 2013 (Public Law 112–239; 126 Stat.
14 1992) is amended by striking “December 31, 2020” and
15 inserting “December 31, 2022”.

16 (b) **EXCESS DEFENSE ARTICLES.**—Subsection (i)(2)
17 of such section is amended by striking “December 31,
18 2020” each place it appears and inserting “December 31,
19 2022”.

20 **SEC. 1214. EXTENSION AND MODIFICATION OF AUTHORITY**
21 **TO ACQUIRE PRODUCTS AND SERVICES PRO-**
22 **DUCED IN COUNTRIES ALONG A MAJOR**
23 **ROUTE OF SUPPLY TO AFGHANISTAN.**

24 (a) **TERMINATION OF AUTHORITY.**—Subsection (f) of
25 section 801 of the National Defense Authorization Act for

1 Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2399)
2 is amended by striking “December 31, 2019” and insert-
3 ing “December 31, 2021”.

4 (b) REPORT ON AUTHORITY.—Such section, as so
5 amended, is further amended by adding at the end the
6 following:

7 “(g) REPORT ON AUTHORITY.—

8 “(1) IN GENERAL.—Not later than March 1,
9 2020, and March 1, 2021, the Secretary of Defense
10 shall submit to the appropriate congressional com-
11 mittees a report on the use of the authority provided
12 in subsection (a). The report shall address, at a min-
13 imum, the following:

14 “(A) The number of determinations made
15 by the Secretary pursuant to subsection (b).

16 “(B) A description of the products and
17 services acquired using the authority.

18 “(C) The extent to which the use of the
19 authority has met the objectives of subpara-
20 graph (A), (B), or (C) of subsection (b)(2).

21 “(D) A list of the countries providing prod-
22 ucts or services as a result of a determination
23 made pursuant to subsection (b).

24 “(2) APPROPRIATE CONGRESSIONAL COMMIT-
25 TEES DEFINED.—For purposes of this subsection,

1 the term ‘appropriate congressional committees’
2 means—

3 “(A) the congressional defense committees;

4 and

5 “(B) the Committee on Foreign Affairs of
6 the House of Representatives and the Com-
7 mittee on Foreign Relations of the Senate.”.

8 **SEC. 1215. AUTHORITY FOR CERTAIN PAYMENTS TO RE-**
9 **DRESS INJURY AND LOSS IN AFGHANISTAN,**
10 **IRAQ, SYRIA, SOMALIA, LIBYA, AND YEMEN.**

11 (a) **AUTHORITY.**—During the period beginning on the
12 date of the enactment of this Act and ending on December
13 31, 2020, not more than \$5,000,000, to be derived from
14 funds authorized to be appropriated to the Office of the
15 Secretary of Defense under the Operation and Mainte-
16 nance, Defense-wide account, may be made available for
17 ex gratia payments for damage, personal injury, or death
18 that is incident to combat operations of the United States
19 Armed Forces in Afghanistan, Iraq, Syria, Somalia,
20 Libya, and Yemen.

21 (b) **NOTICE.**—The Secretary of Defense shall, upon
22 each exercise of the authority in this subsection, submit
23 to the congressional defense committees a report setting
24 forth the following:

1 (1) The amount that will be used for payments
2 pursuant to this subsection.

3 (2) The manner in which claims for payments
4 shall be verified.

5 (3) The officers or officials who shall be author-
6 ized to approve claims for payments.

7 (4) The manner in which payments shall be
8 made.

9 (c) **AUTHORITIES APPLICABLE TO PAYMENT.**—Any
10 payment made pursuant to this subsection shall be made
11 in accordance with the authorities and limitations in sec-
12 tion 8121 of the Department of Defense Appropriations
13 Act, 2015 (division C of Public Law 113–235), other than
14 subsection (h) of such section.

15 **SEC. 1216. EXTENSION OF SEMIANNUAL REPORT ON EN-**
16 **HANCING SECURITY AND STABILITY IN AF-**
17 **GHANISTAN.**

18 Section 1225 of the Carl Levin and Howard P.
19 “Buck” McKeon National Defense Authorization Act for
20 Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3558)
21 is amended—

22 (1) in subsection (a)—

23 (A) in paragraph (2), by striking “Decem-
24 ber 15, 2020” and inserting “December 15,
25 2022”; and

1 (B) by amending paragraph (3) to read as
2 follows:

3 “(3) FORM.—Each report required under para-
4 graph (1) shall be submitted in unclassified form
5 without any designation relating to dissemination
6 control, but may include a classified annex.”; and

7 (2) in subsection (b)—

8 (A) by inserting “, to include the progress
9 of the Government of Afghanistan on securing
10 Afghan territory and population,” after “the
11 current security conditions in Afghanistan”;
12 and

13 (B) by striking “and the Haqqani Net-
14 work” and inserting “the Haqqani Network,
15 and the Islamic State of Iraq and Syria
16 Khorasan”.

17 **Subtitle C—Matters Relating to**
18 **Syria, Iraq, and Iran**

19 **SEC. 1221. MODIFICATION OF AUTHORITY TO PROVIDE AS-**
20 **SISTANCE TO COUNTER THE ISLAMIC STATE**
21 **OF IRAQ AND SYRIA.**

22 (a) LIMITATION ON AVAILABILITY OF AUTHORITY.—
23 Of the amounts made available for fiscal year 2020 pursu-
24 ant to the authorization in section 1236 of the Carl Levin
25 and Howard P. “Buck” McKeon National Defense Au-

1 thORIZATION Act for Fiscal Year 2015 (Public Law 113–
2 291; 128 Stat. 3558), as amended by this section, not
3 more than 70 percent may be obligated or expended until
4 the date on which the Secretary of Defense submits to
5 the congressional defense committees, the Committee on
6 Foreign Affairs of the House of Representatives, and the
7 Committee on Foreign Relations of the Senate a report
8 in unclassified form, that may include a classified annex,
9 that includes each of the following:

10 (1) Any updates to or changes in the plan,
11 strategy, process, vetting requirements and process
12 as described in subsection (e) of such section 1236,
13 and end-use monitoring mechanisms and procedures.

14 (2) A description of how attacks against United
15 States or coalition personnel are being mitigated,
16 statistics on any such attacks, including “green-on-
17 blue” attacks.

18 (3) A description of the forces receiving assist-
19 ance authorized under subsection (a) of such section
20 1236.

21 (4) A description of the recruitment, through-
22 put, and retention rates of recipients and equipment.

23 (5) A description of any misuse or loss of pro-
24 vided equipment and how such misuse or loss is
25 being mitigated.

1 (6) An assessment of the operational effective-
2 ness of the forces receiving assistance authorized
3 under subsection (a) of such section 1236.

4 (7) A description of sustainment support pro-
5 vided to the forces authorized under subsection (a)
6 of such section 1236.

7 (8) A list of new projects for construction, re-
8 pair, or renovation commenced during the period
9 covered by such progress report, and a list of
10 projects for construction, repair, or renovation con-
11 tinuing from the period covered by the preceding
12 progress report.

13 (9) A statement of the amount of funds ex-
14 pended during the period for which the report is
15 submitted.

16 (10) An assessment of the effectiveness of the
17 assistance authorized under subsection (a) of such
18 section 1236.

19 (11) A list of the forces or elements of forces
20 that are restricted from receiving assistance under
21 subsection (a) of such section 1236, other than the
22 forces or elements of forces with respect to which
23 the Secretary of Defense has exercised the waiver
24 authority under subsection (j) of such section 1236,
25 as a result of vetting required by subsection (e) of

1 such section 1236 or by section 2249e of title 10,
2 United States Code, and a detailed description of
3 the reasons for such restriction, including for each
4 force or element, as applicable, the following:

5 (A) Information relating to gross violation
6 of human rights committed by such force or ele-
7 ment, including the time-frame of the alleged
8 violation.

9 (B) The source of the information de-
10 scribed in subparagraph (A) and an assessment
11 of the veracity of the information.

12 (C) The association of such force or ele-
13 ment with terrorist groups or groups associated
14 with the Government of Iran.

15 (D) The amount and type of any assist-
16 ance provided to such force or element by the
17 Government of Iran.

18 (12) An assessment of—

19 (A) security in liberated areas in Iraq;

20 (B) the extent to which security forces
21 trained and equipped, directly or indirectly, by
22 the United States are prepared to provide post-
23 conflict stabilization and security in such liber-
24 ated areas; and

1 (C) the effectiveness of security forces in
2 the post-conflict environment and an identifica-
3 tion of which such forces will provide post-con-
4 flict stabilization and security in such liberated
5 areas.

6 (13) A summary of available information relat-
7 ing to the disposition of militia groups throughout
8 Iraq, with particular focus on groups in areas liber-
9 ated from ISIS or in sensitive areas with historically
10 mixed ethnic or minority communities.

11 (b) FUNDING.—Subsection (g) of section 1236 of the
12 Carl Levin and Howard P. “Buck” McKeon National De-
13 fense Authorization Act for Fiscal Year 2015 (Public Law
14 113–291; 128 Stat. 3558) is amended—

15 (1) by striking “fiscal year 2019” and inserting
16 “fiscal year 2020”; and

17 (2) by striking “\$850,000,000” and inserting
18 “\$663,000,000”.

19 (c) MODIFICATION OF ELEMENTS IN QUARTERLY
20 PROGRESS REPORTS.—Subsection (d) of such section
21 1236 is amended—

22 (1) in paragraph (11), by striking “section
23 2249e of title 10, United States Code” and inserting
24 “section 362 of title 10, United States Code”; and

1 (2) by adding at the end the following new
2 paragraph:

3 “(13) A summary of available information re-
4 lating to the disposition of militia groups throughout
5 Iraq, with particular focus on groups in areas liber-
6 ated from ISIS or in sensitive areas with historically
7 mixed ethnic or minority communities.”.

8 (d) CLARIFICATION WITH RESPECT TO SCOPE OF
9 AUTHORITY.—

10 (1) IN GENERAL.—Subsection (j)(2) of such
11 section 1236 is amended to read as follows:

12 “(2) SCOPE OF ASSISTANCE AUTHORITY.—Not-
13 withstanding paragraph (1), the authority granted
14 by subsection (a) may only be exercised in consulta-
15 tion with the Government of Iraq.”.

16 (2) TECHNICAL CORRECTION.—The heading of
17 subsection (j) of such section 1236 is amended by
18 inserting “; SCOPE” after “AUTHORITY”.

19 (e) TECHNICAL CORRECTION.—Subsection (c) of
20 such section 1236 is amended in the matter preceding
21 paragraph (1) by striking “subsection (a)(1)” and insert-
22 ing “subsection (b)(1)(A)”.

1 **SEC. 1222. EXTENSION AND MODIFICATION OF AUTHORITY**
2 **TO PROVIDE ASSISTANCE TO THE VETTED**
3 **SYRIAN OPPOSITION.**

4 (a) IN GENERAL.—Section 1209 of the Carl Levin
5 and Howard P. “Buck” McKeon National Defense Au-
6 thorization Act for Fiscal Year 2015 (Public Law 113–
7 291; 128 Stat. 3559) is amended as follows:

8 (1) In subsection (a)—

9 (A) in the matter preceding paragraph

10 (1)—

11 (i) by inserting “, appropriately vetted
12 local security forces in northeast Syria, in-
13 cluding units of the Syrian Democratic
14 Forces and their associated counter-ter-
15 rorism units,” after “elements of the Syr-
16 ian opposition”; and

17 (ii) by striking “December 31, 2019”
18 and inserting “December 31, 2020”.

19 (B) in paragraph (1), by inserting “or pre-
20 viously controlled by ISIL” after “Syrian oppo-
21 sition”.

22 (2) By amending subsection (b) to read as fol-
23 lows:

24 “(b) NOTICE BEFORE PROVISION OF ASSISTANCE.—
25 Not later than 15 days prior to each instance of the provi-
26 sion of assistance under subsection (a), the Secretary of

1 Defense, in coordination with the Secretary of State, shall
2 submit to the appropriate congressional committees and
3 leadership of the House of Representatives and Senate a
4 notification that includes the following:

5 “(1) The plan for providing the assistance.

6 “(2) The requirements and process used to de-
7 termine appropriately vetted recipients with respect
8 to the assistance.

9 “(3) The mechanisms and procedures that will
10 be used to monitor and report to the appropriate
11 congressional committees and leadership of the
12 House of Representatives and Senate on unauthor-
13 ized end-use of provided training and equipment or
14 other violations of relevant law by appropriately vet-
15 ted recipients.

16 “(4) The amount, type, and purpose of assist-
17 ance to be funded and the recipient of the assist-
18 ance.

19 “(5) The budget and implementation timeline,
20 with milestones and anticipated delivery schedule for
21 the assistance.

22 “(6) A description of any material use of assist-
23 ance previously provided under subsection (a) to any
24 appropriately vetted recipient of such assistance for
25 a purpose other than the purposes specified in sub-

1 section (a) that occurred since the most recent noti-
2 fication submitted by the Secretary pursuant to this
3 subsection, with a specific description of the fol-
4 lowing:

5 “(A) The details of such material misuse.

6 “(B) The recipient or recipients respon-
7 sible for such material misuse.

8 “(C) The consequences of such material
9 misuse.

10 “(D) The actions taken by the Secretary to
11 remedy the causes and effects of such material
12 misuse.

13 “(7) The goals and objectives of the assistance.

14 “(8) The concept of operations, timelines, and
15 types of training, equipment, stipends, sustainment,
16 construction, and supplies to be provided.

17 “(9) The roles and contributions of partner na-
18 tions.

19 “(10) The number and role of United States
20 Armed Forces personnel involved.

21 “(11) Any additional military support and
22 sustainment activities.

23 “(12) Any other relevant details.”.

24 (3) By amending subsection (c) to read as fol-
25 lows:

1 “(c) FORM.—The notifications required by subsection
2 (b) shall be submitted in unclassified form but may in-
3 clude a classified annex.”.

4 (4) By striking subsection (f) and inserting the
5 following:

6 “(f) RESTRICTION ON SCOPE OF ASSISTANCE IN THE
7 FORM OF WEAPONS.—

8 “(1) IN GENERAL.—The Secretary may only
9 provide assistance in the form of weapons pursuant
10 to the authority under subsection (a) if such weap-
11 ons are small arms, including handguns, rifles and
12 carbines, sub-machine guns, or light machine guns.

13 “(2) WAIVER.—The Secretary may waive the
14 restriction under paragraph (1) if the Secretary cer-
15 tifies to the appropriate congressional committees
16 that such provision of law would (but for the waiver)
17 impede national security objectives of the United
18 States by prohibiting, restricting, delaying, or other-
19 wise limiting the provision of assistance. Such waiver
20 shall not take effect until 15 days after the date on
21 which such certification is submitted to the appro-
22 priate congressional committees.”.

23 (5) In subsection (g)—

24 (A) by inserting “, at the end of the 15-
25 day period beginning on the date the Secretary

1 notifies the congressional defense committees of
2 the amount, source, and intended purpose of
3 such contributions” after “as authorized by this
4 section”; and

5 (B) by striking “operation and mainte-
6 nance accounts” and all that follows through
7 the end of the subsection and inserting “ac-
8 counts.”.

9 (6) In subsection (k), by inserting “, at the end
10 of the 15-day period beginning on the date the Sec-
11 retary notifies the congressional defense committees
12 of the amount, recipient, and intended purpose of
13 such assistance” after “authorized under this sec-
14 tion”.

15 (7) In subsection (l)—

16 (A) by striking “\$10,000,000” and insert-
17 ing “\$20,000,000”;

18 (B) by adding at the end the following new
19 sentence: “Amounts accepted as contributions
20 pursuant to the authority in subsection (g) for
21 construction and repair projects may be ex-
22 pended without regard to the limitation under
23 this subsection.”;

1 (C) by striking “REPAIR PROJECTS.—The
2 aggregate” and inserting . “REPAIR
3 PROJECTS.—

4 “(1) IN GENERAL.—The aggregate”; and

5 (D) by adding at the end the following:

6 “(2) WAIVER.—The Secretary may waive the
7 limitation under paragraph (1) if the Secretary cer-
8 tifies to the appropriate congressional committees
9 that such provision of law would (but for the waiver)
10 impede national security objectives of the United
11 States by prohibiting, restricting, delaying, or other-
12 wise limiting the provision of assistance. Such waiver
13 shall not take effect until 15 days after the date on
14 which such certification is submitted to the appro-
15 priate congressional committees.”.

16 (8) By striking subsection (j).

17 (9) By redesignating subsections (k) through
18 (m) (as amended by this subsection) as subsections
19 (j) through (l), respectively.

20 (b) EFFECTIVE DATE AND AVAILABILITY OF AU-
21 THORITY.—

22 (1) IN GENERAL.—The amendments made by
23 subsection (a) shall take effect on the date of the en-
24 actment of this section.

1 (2) AVAILABILITY OF AUTHORITY.—Notwith-
2 standing paragraph (1), the Secretary may not pro-
3 vide assistance pursuant to the authority provided
4 by section 1209 of the Carl Levin and Howard P.
5 “Buck” McKeon National Defense Authorization
6 Act for Fiscal Year 2015 (Public Law 113–291; 128
7 Stat. 3559), as amended by subsection (a) of this
8 section, during the period beginning on January 1,
9 2020, and ending on the date on which each quar-
10 terly report required to be submitted pursuant to
11 subsection (d) of such section 1209, as of the date
12 of the enactment of this section, has been submitted.

13 **SEC. 1223. EXTENSION AND MODIFICATION OF AUTHORITY**
14 **TO SUPPORT OPERATIONS AND ACTIVITIES**
15 **OF THE OFFICE OF SECURITY COOPERATION**
16 **IN IRAQ.**

17 (a) EXTENSION OF AUTHORITY.—Subsection (f)(1)
18 of section 1215 of the National Defense Authorization Act
19 for Fiscal Year 2012 (10 U.S.C. 113 note) is amended
20 by striking “fiscal year 2019” and inserting “fiscal year
21 2020”.

22 (b) AMOUNT AVAILABLE.—Such section is further
23 amended—

24 (1) in subsection (c), by striking “fiscal year
25 2019” and inserting “fiscal year 2020”; and

1 (2) in subsection (d), by striking “fiscal year
2 2019” and inserting “fiscal year 2020”.

3 (c) LIMITATION ON AVAILABILITY OF FUNDS.—Of
4 the amount available for fiscal year 2020 for section 1215
5 of the National Defense Authorization Act for Fiscal Year
6 2012, as amended by this section, not more than an
7 amount equal to 50 percent may be obligated or expended
8 for the Office of Security Cooperation in Iraq until the
9 date on which the Secretary of Defense certifies to the
10 congressional defense committees, the Committee on For-
11 eign Affairs of the House of Representatives, and the
12 Committee on Foreign Relations of the Senate, that each
13 of the following reforms relating to that Office has been
14 completed:

15 (1) The appointment of a Senior Defense Offi-
16 cial/Defense Attache to oversee the Office.

17 (2) The development of a Joint Service staffing
18 plan to reorganize the Office similar to that of other
19 security cooperation offices in the region, that places
20 foreign area officers in key leadership positions and
21 closes duplicative or extraneous sections.

22 (3) The planning and initiation of bilateral en-
23 gagement with the Government of Iraq for the pur-
24 pose of establishing a Joint Military Commission
25 and the initiation and drafting of a five-year security

1 assistance roadmap for developing strategic and sus-
2 tainable military capacity and capabilities for Iraq
3 that includes a plan to reform Iraq's defense indus-
4 trial base and security sector by reducing corruption
5 and optimizing procurement.

6 **SEC. 1224. PROHIBITION ON PROVISION OF WEAPONS AND**
7 **OTHER FORMS OF SUPPORT TO CERTAIN OR-**
8 **GANIZATIONS.**

9 None of the funds authorized to be appropriated by
10 this Act or otherwise made available to the Department
11 of Defense for fiscal year 2020 may be used to knowingly
12 provide weapons or any other form of support to Al Qaeda,
13 the Islamic State of Iraq and Syria (ISIS), Jabhat Fateh
14 al Sham, or any individual or group affiliated with any
15 such organization.

16 **SEC. 1225. RULE OF CONSTRUCTION RELATING TO USE OF**
17 **MILITARY FORCE AGAINST IRAN.**

18 Nothing in this Act or any amendment made by this
19 Act may be construed to authorize the use of military force
20 against Iran.

21 **SEC. 1226. SENSE OF CONGRESS ON SUPPORT FOR MIN-**
22 **ISTRY OF PESHMERGA FORCES OF THE**
23 **KURDISTAN REGION OF IRAQ.**

24 It is the sense of Congress that—

1 (1) the United States led coalition and coalition
2 enabled partner forces, including Ministry of
3 Peshmerga forces of the Kurdistan Region of Iraq
4 and Iraqi Security Forces (ISF), have made signifi-
5 cant gains in liberating all territory in Iraq from Is-
6 lamic State of Iraq and Syria (ISIS) control and dis-
7 rupting ISIS safe havens and networks;

8 (2) nevertheless, ISIS is regenerating key func-
9 tions and capabilities in Iraq, and ISIS elements will
10 continue to exist in Iraq for the foreseeable future;

11 (3) ISIS will attempt to rebuild combat power
12 through clandestine networks providing sanctuary,
13 and ISIS will continue to attempt to conduct insur-
14 gent-type activities while simultaneously recruiting
15 and training fighters, establishing facilitation net-
16 works, and attempting to remain relevant in the in-
17 formation domain;

18 (4) the Ministry of Peshmerga forces of the
19 Kurdistan Region of Iraq made significant contribu-
20 tions and sacrifices in the United States-led cam-
21 paign to degrade, dismantle, and destroy ISIS; and

22 (5) the Department of Defense and the Depart-
23 ment of State should continue to work with and sup-
24 port the non-partisan forces of the Ministry of
25 Peshmerga of the Kurdistan Region of Iraq in order

1 to continue to develop their capabilities, promote se-
2 curity sector reforms, and enhance sustainability and
3 interoperability with the other elements of the Iraqi
4 security forces in order to provide for Iraq's lasting
5 security against terrorist threats.

6 **Subtitle D—Matters Relating to**
7 **Russia**

8 **SEC. 1231. PROHIBITION ON THE USE OF FUNDS TO SUS-**
9 **PEND, TERMINATE, OR WITHDRAW THE**
10 **UNITED STATES FROM THE OPEN SKIES**
11 **TREATY.**

12 (a) FINDINGS.—Congress finds the following:

13 (1) Since 1992, the United States has sup-
14 ported the Open Skies Treaty with dedicated aircraft
15 and observation mission teams, conducting several
16 hundred training and observation missions with
17 other countries.

18 (2) This commitment by the United States has
19 helped to confirm and refine operational procedures,
20 to improve implementation and effectiveness of the
21 Open Skies Treaty, and provide United States lead-
22 ership and engagement opportunities that have sup-
23 ported broader objectives and improved European
24 transparency.

1 (3) The Open Skies Treaty provides signatories
2 with the ability to gather information through aerial
3 imaging on military forces and activities of concern
4 to them which contributes to greater transparency
5 and stability in the Euro-Atlantic region, which ben-
6 efits both the United States and United States allies
7 and partners.

8 (4) In order to maximize United States benefits
9 from the Open Skies Treaty, the United States
10 needs to recapitalize and modernize its aircraft and
11 sensors, and the ongoing work to certify the Digital
12 Visual Imaging System and the new effort for the
13 Open Skies Treaty Aircraft Recapitalization
14 (OSTAR) are critical to United States leadership
15 and involvement in the Treaty.

16 (5) The current 1960s-era United States air-
17 craft used with respect to the Open Skies Treaty are
18 ill-suited to extreme operating environments in Rus-
19 sia and experience regular, unplanned maintenance
20 issues, often resulting in mission delays or cancella-
21 tions.

22 (6) The OSTAR effort will provide a United
23 States aircraft capability that allows the United
24 States to fully implement the goals and objectives of
25 the Open Skies Treaty.

1 (7) The United States also demonstrated in De-
2 cember 2018, along with United States allies of
3 Canada, the United Kingdom, France, Germany,
4 and Romania, that Open Skies Treaty mechanisms
5 can be used during times of crisis.

6 (8) Following Russia's unprovoked attack on
7 Ukrainian vessels near the Kerch Strait, the United
8 States and United States allies conducted an "ex-
9 traordinary" Open Skies Treaty observation mission
10 over Ukraine to reaffirm commitment to Ukraine.

11 (b) SENSE OF CONGRESS.—It is the sense of Con-
12 gress that—

13 (1) the United States should forcefully address
14 Russian violations of its obligations under the Open
15 Skies Treaty; and

16 (2) due to the significant benefits that observa-
17 tion missions under the Open Skies Treaty provide
18 to the United States and United States allies, the
19 United States should commit to continued participa-
20 tion in the Treaty.

21 (c) PROHIBITION.—

22 (1) IN GENERAL.—Except as provided in para-
23 graph (2), none of the funds authorized to be appro-
24 priated by this Act or otherwise made available to
25 the Department of Defense for fiscal year 2020 may

1 be obligated or expended to take any action to sus-
2 pend, terminate, or withdraw the United States from
3 the Open Skies Treaty.

4 (2) EXCEPTION.—The prohibition in paragraph
5 (1) shall not apply if the Secretary of Defense and
6 the Secretary of State jointly determine and certify
7 to the congressional defense committees, the Com-
8 mittee on Foreign Affairs of the House of Rep-
9 resentatives, and the Committee on Foreign Rela-
10 tions of the Senate, that—

11 (A) Russia is in material breach of its obli-
12 gations under the Open Skies Treaty and is not
13 taking steps to return to compliance with such
14 obligations, and all other state parties to the
15 Open Skies Treaty concur in such determina-
16 tion of the Secretaries; or

17 (B) withdrawing from the Open Skies
18 Treaty would be in the best interests of United
19 States national security and the other state
20 parties to the Open Skies Treaty have been con-
21 sulted with respect to such withdrawal.

22 (d) REPEAL OF LIMITATION ON USE OF FUNDS TO
23 VOTE TO APPROVE OR OTHERWISE ADOPT ANY IMPLI-
24 MENTING DECISION OF THE OPEN SKIES CONSULTATIVE
25 COMMISSION AND MODIFICATIONS TO REPORT.—

1 (1) IN GENERAL.—Section 1236 of the Na-
2 tional Defense Authorization Act for Fiscal Year
3 2017 (Public Law 114–328; 130 Stat. 2491) is
4 amended—

5 (A) by striking subsections (a) and (b);
6 and

7 (B) by redesignating subsections (c), (d),
8 (e), and (f) as subsections (a), (b), (c), and (d),
9 respectively.

10 (2) MODIFICATIONS TO REPORT.—Subsection
11 (a) of such section, as so redesignated, is amended—

12 (A) in the heading, by striking “QUAR-
13 TERLY” and inserting “BI-ANNUAL”;

14 (B) in paragraph (1)—

15 (i) by inserting “the Secretary of
16 State,” before “the Secretary of Energy”;

17 (ii) by striking “quarterly basis” and
18 inserting “bi-annual basis”;

19 (iii) by striking “by the Russian Fed-
20 eration over the United States” and insert-
21 ing “by all parties to the Open Skies Trea-
22 ty, including the United States, under the
23 Treaty”; and

1 (iv) by striking “calendar quarter”
2 and inserting “preceding 6-month period”;
3 and

4 (C) in paragraph (2), by striking subpara-
5 graphs (B), (C), and (D) and inserting the fol-
6 lowing:

7 “(B) In the case of an observation flight
8 by the United States, including an observation
9 flight over the territory of Russia—

10 “(i) an analysis of data collected that
11 supports United States intelligence and
12 military collection goals; and

13 “(ii) an assessment of data collected
14 regarding military activity that could not
15 be collected through other means.

16 “(C) In the case of an observation flight
17 over the territory of the United States—

18 “(i) an analysis of whether and the
19 extent to which any United States critical
20 infrastructure was the subject of image
21 capture activities of such observation
22 flight;

23 “(ii) an estimate for the mitigation
24 costs imposed on the Department of De-

1 fense or other United States Government
2 agencies by such observation flight; and

3 “(iii) assessment of how such informa-
4 tion is used by party conducting the obser-
5 vation flight, for what purpose, and how
6 the information fits into the overall collec-
7 tion posture.”.

8 (3) FORM.—Subsection (c) of such section, as
9 so redesignated, is amended by striking “certifi-
10 cation, report, and notice” and inserting “report”.

11 (4) DEFINITIONS.—Subsection (d) of such sec-
12 tion, as so redesignated, is amended—

13 (A) by striking paragraphs (3) and (6);
14 and

15 (B) by redesignating paragraphs (4), (5),
16 and (7) as paragraphs (3), (4), and (5), respec-
17 tively.

18 (e) OPEN SKIES: IMPLEMENTATION PLAN.—Section
19 1235(a) of the National Defense Authorization Act for
20 Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1660)
21 is amended—

22 (1) in paragraph (1)—

23 (A) by striking “during such fiscal year”
24 and inserting “during a calendar year”; and

1 (B) by striking “the President submits”
2 and all that follows and inserting “the Sec-
3 retary of Defense provides to the appropriate
4 congressional committees a briefing on a plan
5 described in paragraph (2) with respect to such
6 calendar year.”;

7 (2) in paragraph (2), by striking “such fiscal
8 year” and inserting “such calendar year”; and

9 (3) in paragraph (3), by striking “a fiscal year
10 and submit the updated plan” and inserting “a cal-
11 endar year and provide a briefing on the updated
12 plan”.

13 (f) DEFINITION OF OPEN SKIES TREATY; TREATY.—
14 In this section, the term “Open Skies Treaty” or “Treaty”
15 means the Treaty on Open Skies, done at Helsinki March
16 24, 1992, and entered into force January 1, 2002.

17 **SEC. 1232. EXTENSION OF LIMITATION ON MILITARY CO-**
18 **OPERATION BETWEEN THE UNITED STATES**
19 **AND RUSSIA.**

20 Section 1232(a) of the National Defense Authoriza-
21 tion Act for Fiscal Year 2017 (Public Law 114–328; 130
22 Stat. 2488), is amended by striking “or 2019” and insert-
23 ing “, 2019, or 2020”.

1 **SEC. 1233. PROHIBITION ON AVAILABILITY OF FUNDS RE-**
2 **LATING TO SOVEREIGNTY OF RUSSIA OVER**
3 **CRIMEA.**

4 (a) PROHIBITION.—None of the funds authorized to
5 be appropriated by this Act or otherwise made available
6 for fiscal year 2020 for the Department of Defense may
7 be obligated or expended to implement any activity that
8 recognizes the sovereignty of Russia over Crimea.

9 (b) WAIVER.—The Secretary of Defense, with the
10 concurrence of the Secretary of State, may waive the re-
11 striction on the obligation or expenditure of funds required
12 by subsection (a) if the Secretary—

13 (1) determines that to do so is in the national
14 security interest of the United States; and

15 (2) submits a notification of the waiver, at the
16 time the waiver is invoked, to the Committee on
17 Armed Services and the Committee on Foreign Af-
18 fairs of the House of Representatives and the Com-
19 mittee on Armed Services and the Committee on
20 Foreign Relations of the Senate.

21 **SEC. 1234. MODIFICATION AND EXTENSION OF UKRAINE SE-**
22 **CURITY ASSISTANCE INITIATIVE.**

23 Section 1250 of the National Defense Authorization
24 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.
25 1068) is amended—

1 (1) in subsection (a), by striking “in coordina-
2 tion with the Secretary of State” and inserting
3 “with the concurrence of the Secretary of State”;

4 (2) in subsection (c)—

5 (A) in paragraph (1), by striking “50 per-
6 cent of the funds available for fiscal year 2019
7 pursuant to subsection (f)(4)” and inserting
8 “50 percent of the funds available for fiscal
9 year 2020 pursuant to subsection (f)(5)”; and

10 (B) in paragraph (3), by striking “fiscal
11 year 2019” and inserting “fiscal year 2020”;
12 and

13 (C) in paragraph (5), by striking “Of the
14 funds available for fiscal year 2019 pursuant to
15 subsection (f)(4)” and inserting “Of the funds
16 available for fiscal year 2020 pursuant to sub-
17 section (f)(5)”; and

18 (3) in subsection (f), by adding at the end the
19 following:

20 “(5) For fiscal year 2020, \$250,000,000.”.

21 **SEC. 1235. REPORT ON TREATIES RELATING TO NUCLEAR**
22 **ARMS CONTROL.**

23 (a) FINDINGS.—Congress finds the following:

24 (1) On October 24, 2018, the House Committee
25 on Armed Services and House Committee on For-

1 eign Affairs wrote to the Secretary of Defense re-
2 questing information regarding the Administration's
3 policies and strategies related to nuclear arms con-
4 trol.

5 (2) The Committees did not receive the re-
6 quested information from the Secretary of Defense.

7 (b) ASSESSMENT REQUIRED.—Not later than 120
8 days after the date of the enactment of this Act, the Sec-
9 retary of Defense, in consultation with the Secretary of
10 State and the Director of National Intelligence, shall sub-
11 mit to the Committee on Armed Services, the Permanent
12 Select Committee on Intelligence, and the Committee on
13 Foreign Affairs of the House of Representatives and the
14 Committee on Armed Services, the Select Committee on
15 Intelligence, and the Committee on Foreign Relations of
16 the Senate an assessment that includes each of the fol-
17 lowing:

18 (1) The implications, in terms of military threat
19 to the United States or its allies in Europe, of Rus-
20 sian deployment of intermediate-range cruise and
21 ballistic missiles without restriction.

22 (2) What new capabilities the United States
23 might need in order to pursue additional tech-
24 nologies or programs to offset such Russian capabili-

1 ties, and the costs associated with such capabilities,
2 technologies, and programs.

3 (3) An assessment of the threat to the United
4 States of Russia's strategic nuclear force in the
5 event the New START Treaty lapses.

6 (4) What measures could have been taken short
7 of withdrawal, including economic, military, and dip-
8 lomatic options, to increase pressure on Russia for
9 violating the INF Treaty.

10 (5) The status of all consultations with allies
11 pertaining to the INF Treaty and the threat posed
12 by Russian forces that are noncompliant with the
13 obligations of such treaty.

14 (6) The impact that Russian withdrawal from
15 the INF Treaty and the expiration of the New
16 START Treaty could have on long-term United
17 States-Russia strategic stability.

18 (c) WITHHOLDING OF FUNDS.—Until the date of the
19 submission of the assessment required by subsection (b),
20 an amount that is equal to 20 percent of the total amount
21 authorized to be appropriated to the Office of the Sec-
22 retary of Defense under the Operations and Maintenance,
23 Defense-Wide account for the travel of persons shall be
24 withheld from obligation or expenditure.

25 (d) DEFINITIONS.—In this section:

1 (1) NEW START TREATY.—The term “New
2 START Treaty” means the Treaty between the
3 United States of America and the Russian Federa-
4 tion on Measures for the Further Reduction and
5 Limitation of Strategic Offensive Arms, signed at
6 Prague April 8, 2010, and entered into force Feb-
7 ruary 5, 2011.

8 (2) INF TREATY.—The term “INF Treaty”
9 means the Treaty between the United States of
10 America and the Union of Soviet Socialist Republics
11 on the Elimination of Their Intermediate-Range and
12 Shorter-Range Missiles, signed at Washington De-
13 cember 8, 1987, and entered into force June 1,
14 1988.

15 **SEC. 1236. SENSE OF CONGRESS ON UPDATING AND MOD-**
16 **ERNIZING EXISTING AGREEMENTS TO AVERT**
17 **MISCALCULATION BETWEEN THE UNITED**
18 **STATES AND RUSSIA.**

19 It is the sense of Congress that, in order to strength-
20 en the defense of United States and its allies and partners
21 in Europe and avert the risk of miscalculation and unin-
22 tended escalation that could lead to a broader and dan-
23 gerous military catastrophe, the Secretary of Defense and
24 Secretary of State, in consultation with the commander
25 of United States European Command and Assistant Sec-

1 countries, including the deployment of Georgian
2 forces as part of the former International Security
3 Assistance Force (ISAF) and the current Resolute
4 Support Mission led by the North Atlantic Treaty
5 Organization (NATO) in Afghanistan and the Multi-
6 National Force in Iraq.

7 (2) The European Deterrence Initiative builds
8 the partnership capacity of Georgia so it can work
9 more closely with the United States and NATO, as
10 well as provide for its own defense.

11 (3) In addition to the European Deterrence Ini-
12 tiative, Georgia's participation in the NATO initia-
13 tive Partnership for Peace is paramount to inter-
14 operability with the United States and NATO, and
15 establishing a more peaceful environment in the re-
16 gion.

17 (4) Despite the losses suffered, as a NATO
18 partner, Georgia is committed to the Resolute Sup-
19 port Mission in Afghanistan with the fourth-largest
20 contingent on the ground.

21 (b) SENSE OF CONGRESS.—Congress—

22 (1) reaffirms United States support for Geor-
23 gia's sovereignty and territorial integrity within its
24 internationally-recognized borders, and does not rec-
25 ognize the independence of the Abkhazia and South

1 Ossetia regions currently occupied by the Russian
2 Federation; and

3 (2) supports continued cooperation between the
4 United States and Georgia and the efforts of the
5 Government of Georgia to provide for the defense of
6 its people and sovereign territory.

7 **SEC. 1238. SENSE OF CONGRESS ON SUPPORT FOR ESTO-**
8 **NIA, LATVIA, AND LITHUANIA.**

9 (a) FINDINGS.—Congress finds the following:

10 (1) The Baltic countries of Estonia, Latvia, and
11 Lithuania are highly valued allies of the United
12 States, and they have repeatedly demonstrated their
13 commitment to advancing our mutual interests as
14 well as those of the NATO Alliance.

15 (2) Operation Atlantic Resolve is a series of ex-
16 ercises and coordinating efforts demonstrating the
17 United States' commitment to its European partners
18 and allies, including the Baltic countries of Estonia,
19 Latvia, and Lithuania, with the shared goal of peace
20 and stability in the region. Operation Atlantic Re-
21 solve strengthens communication and understanding,
22 and is an important effort to deter Russian aggres-
23 sion in the region.

24 (3) Through Operation Atlantic Resolve, the
25 European Deterrence Initiative undertakes exercises,

1 training, and rotational presence necessary to reas-
2 sure and integrate our allies, including the Baltic
3 countries, into a common defense framework.

4 (4) All three Baltic countries contributed to the
5 NATO-led International Security Assistance Force
6 in Afghanistan, sending troops and operating with
7 few caveats. The Baltic countries continue to commit
8 resources and troops to the Resolute Support Mis-
9 sion in Afghanistan.

10 (b) SENSE OF CONGRESS.—Congress—

11 (1) reaffirms its support for the principle of col-
12 lective defense in Article 5 of the North Atlantic
13 Treaty for our NATO allies, including Estonia, Lat-
14 via, and Lithuania;

15 (2) supports the sovereignty, independence, ter-
16 ritorial integrity, and inviolability of Estonia, Latvia,
17 and Lithuania as well as their internationally recog-
18 nized borders, and expresses concerns over increas-
19 ingly aggressive military maneuvering by the Rus-
20 sian Federation near their borders and airspace;

21 (3) expresses concern over and condemns sub-
22 versive and destabilizing activities by the Russian
23 Federation within the Baltic countries; and

24 (4) encourages the Administration to further
25 enhance defense cooperation efforts with Estonia,

1 Latvia, and Lithuania and supports the efforts of
2 their Governments to provide for the defense of their
3 people and sovereign territory.

4 **Subtitle E—Matters Relating to the**
5 **Indo-Pacific Region**

6 **SEC. 1241. MODIFICATION OF INDO-PACIFIC MARITIME SE-**
7 **CURITY INITIATIVE.**

8 (a) TYPES OF ASSISTANCE AND TRAINING.—Sub-
9 section (c)(2)(A) of section 1263 of the National Defense
10 Authorization Act for Fiscal Year 2016 (10 U.S.C. 2282
11 note) is amended by inserting “the law of armed conflict,
12 the rule of law, and” after “respect for”.

13 (b) NOTICE TO CONGRESS ON ASSISTANCE AND
14 TRAINING.—Subsection (g)(1) of such section is amend-
15 ed—

16 (1) in subparagraph (A), by inserting at the
17 end before the period the following: “, the specific
18 unit or units whose capacity to engage in activities
19 under a program of assistance or training to be pro-
20 vided under subsection (a) will be built under the
21 program, and the amount, type, and purpose of the
22 support to be provided”;

23 (2) by redesignating subparagraph (F) as sub-
24 paragraph (J); and

1 (3) by inserting after subparagraph (E) the fol-
2 lowing new subparagraphs:

3 “(F) Information, including the amount,
4 type, and purpose, on assistance and training
5 provided under subsection (a) during the three
6 preceding fiscal years, if applicable.

7 “(G) A description of the elements of the
8 theater campaign plan of the geographic com-
9 batant command concerned and the interagency
10 integrated country strategy that will be ad-
11 vanced by the assistance and training provided
12 under subsection (a).

13 “(H) A description of whether assistance
14 and training provided under subsection (a)
15 could be provided pursuant to—

16 “(i) section 333 of title 10, United
17 States Code, or other security cooperation
18 authorities of the Department of Defense;
19 or

20 “(ii) security cooperation authorities
21 of the Department of State.

22 “(I) An identification of each such author-
23 ity described in subparagraph (H).”.

24 (c) ANNUAL MONITORING REPORTS.—Such section
25 is amended—

1 (1) by redesignating subsection (h) as sub-
2 section (j); and

3 (2) by inserting after subsection (g) the fol-
4 lowing new subsection:

5 “(h) ANNUAL MONITORING REPORTS.—

6 “(1) IN GENERAL.—Not later than December
7 31, 2019, and annually thereafter, the Secretary of
8 Defense shall submit to the appropriate committees
9 of Congress a report setting forth, for the preceding
10 calendar year, the following:

11 “(A) Information, by recipient foreign
12 country, on the status of funds allocated for as-
13 sistance and training provided under subsection
14 (a), including funds allocated but not yet obli-
15 gated or expended.

16 “(B) Information, by recipient foreign
17 country, on the delivery and use of assistance
18 and training provided under subsection (a).

19 “(C) Information, by recipient foreign
20 country, on the timeliness of delivery of assist-
21 ance and training provided under subsection (a)
22 as compared to the timeliness of delivery of as-
23 sistance and training previously provided to the
24 foreign country under subsection (a).

1 “(2) APPROPRIATE COMMITTEES OF CONGRESS
2 DEFINED.—In this subsection, the term ‘appropriate
3 committees of Congress’ has the meaning given the
4 term in subsection (g)(2).”.

5 (d) LIMITATIONS.—Such section, as so amended, is
6 further amended by inserting after subsection (h), as
7 added by subsection (c)(2), the following:

8 “(i) LIMITATIONS.—

9 “(1) ASSISTANCE OTHERWISE PROHIBITED BY
10 LAW.—The Secretary of Defense may not use the
11 authority in subsection (a) to provide any type of as-
12 sistance or training that is otherwise prohibited by
13 any provision of law.

14 “(2) PROHIBITION ON ASSISTANCE TO UNITS
15 THAT HAVE COMMITTED GROSS VIOLATIONS OF
16 HUMAN RIGHTS.—The provision of assistance and
17 training pursuant to a program under subsection (a)
18 shall be subject to the provisions of section 362 of
19 title 10, United States Code.

20 “(3) ASSESSMENT, MONITORING, AND EVALUA-
21 TION OF PROGRAMS AND ACTIVITIES.—The provision
22 of assistance and training pursuant to a program
23 under subsection (a) shall be subject to the provi-
24 sions of section 383 of title 10, United States
25 Code.”.

1 (e) REPORT.—

2 (1) IN GENERAL.—Not later than January 31,
3 2020, the Secretary of Defense, with the concur-
4 rence of the Secretary of State, shall submit to the
5 appropriate congressional committees a report on
6 the implementation of the Indo-Pacific Maritime Se-
7 curity Initiative under section 1263 of the National
8 Defense Authorization Act for Fiscal Year 2016, as
9 amended by this section.

10 (2) MATTERS TO BE INCLUDED.—The report
11 required by paragraph (1) shall include the fol-
12 lowing:

13 (A) Objectives of the Initiative, including—

14 (i) a discussion of United States secu-
15 rity requirements that are satisfied or en-
16 hanced under the Initiative; and

17 (ii) an assessment of progress toward
18 each such objective and the metrics used to
19 assess such progress.

20 (B) A discussion of how the Initiative re-
21 lates to, complements, or overlaps with other
22 United States security cooperation and security
23 assistance authorities.

24 (C) A description of the process and cri-
25 teria by which the utilization of each such au-

1 thority or authorities described in subparagraph
2 (B) is determined.

3 (D) An assessment, by recipient foreign
4 country, of—

5 (i) the country's capabilities relating
6 to maritime security and maritime domain
7 awareness;

8 (ii) the country's capability enhance-
9 ment priorities, including how such prior-
10 ities relate to the theater campaign strat-
11 egy, country plan, and theater campaign
12 plan relating to maritime security and
13 maritime domain awareness;

14 (E) A discussion, by recipient foreign
15 country, of—

16 (i) priority capabilities that the De-
17 partment of Defense plans to enhance
18 under the Initiative and priority capabili-
19 ties the Department plans to enhance
20 under separate United States security co-
21 operation and security assistance authori-
22 ties; and

23 (ii) the anticipated timeline for assist-
24 ance and training for each such capability.

1 (F) Information, by recipient foreign coun-
2 try, on the delivery and use of assistance and
3 training provided under the Initiative.

4 (G) Any other matters the Secretary of
5 Defense determines should be included.

6 (3) FORM.—The report required by paragraph
7 (1) shall be submitted in unclassified form without
8 any designation relating to dissemination control,
9 but may include a classified annex.

10 (4) DEFINITION.—In this section, the term
11 “appropriate congressional committees” means—

12 (A) the congressional defense committees;
13 and

14 (B) the Committee on Foreign Relations of
15 the Senate and the Committee on Foreign Af-
16 fairs of the House of Representatives.

17 **SEC. 1242. EXTENSION AND MODIFICATION OF REPORT ON**
18 **MILITARY AND SECURITY DEVELOPMENTS**
19 **INVOLVING NORTH KOREA.**

20 (a) EXTENSION.—Subsection (a) of section 1236 of
21 the National Defense Authorization Act for Fiscal Year
22 2012 (Public Law 112–81; 125 Stat. 1641) is amended—

23 (1) by striking “and November 1, 2017” and
24 inserting “November 1, 2017, April 1, 2020, and
25 April 1, 2021”; and

1 (2) by inserting “(without any designation re-
2 relating to dissemination control)” after “unclassi-
3 fied”.

4 (b) ADDITIONAL MATTERS TO BE INCLUDED.—Sub-
5 section (b) of such section is amended—

6 (1) by redesignating paragraph (8) as para-
7 graph (9); and

8 (2) by inserting after paragraph (7) the fol-
9 lowing new paragraph:

10 “(8) Developments in North Korea’s nuclear
11 program, including the size and state of North Ko-
12 rea’s stockpile of nuclear weapons, its nuclear strat-
13 egy and associated doctrines, its civil and military
14 production capacities, and projections of its future
15 arsenals.”.

16 **SEC. 1243. LIMITATION ON USE OF FUNDS TO REDUCE THE**
17 **TOTAL NUMBER OF MEMBERS OF THE**
18 **ARMED FORCES SERVING ON ACTIVE DUTY**
19 **WHO ARE DEPLOYED TO SOUTH KOREA.**

20 None of the funds authorized to be appropriated by
21 this Act may be used to reduce the total number of mem-
22 bers of the Armed Forces serving on active duty who are
23 deployed to South Korea below 28,500 unless the Sec-
24 retary of Defense first certifies to the congressional de-
25 fense committees the following:

1 (1) Such a reduction is in the national security
2 interest of the United States and will not signifi-
3 cantly undermine the security of United States allies
4 in the region.

5 (2) The Secretary has appropriately consulted
6 with allies of the United States, including South
7 Korea and Japan, regarding such a reduction.

8 **SEC. 1244. REPORT ON DIRECT, INDIRECT, AND BURDEN-**
9 **SHARING CONTRIBUTIONS OF JAPAN AND**
10 **SOUTH KOREA.**

11 (a) IN GENERAL.—Not later than March 1, 2020,
12 and March 1, 2021, the Secretary of Defense shall submit
13 to the appropriate congressional committees a report on
14 the direct, indirect, and burden-sharing contributions of
15 Japan and South Korea to support overseas military in-
16 stallations of the United States and United States Armed
17 Forces deployed to or permanently stationed in Japan and
18 South Korea, respectively.

19 (b) ELEMENTS.—The report required by subsection
20 (a) shall include the following:

21 (1) The benefits to United States national secu-
22 rity and regional security derived from the forward
23 presence of United States Armed Forces in the
24 Indo-Pacific region, including Japan and South
25 Korea.

1 (2) For calendar year 2016 and each subse-
2 quent calendar year, a description of the one-time
3 and recurring costs associated with the presence of
4 United States Armed Forces in Japan and South
5 Korea, including—

6 (A) costs to relocate the Armed Forces
7 within Japan and South Korea and to realign
8 the Armed Forces from Japan and South
9 Korea;

10 (B) military personnel costs;

11 (C) operation and maintenance costs; and

12 (D) military construction costs.

13 (3) A description of direct, indirect, and bur-
14 den-sharing contributions of Japan and South
15 Korea, including—

16 (A) contributions for labor costs associated
17 with the presence of United States Armed
18 Forces;

19 (B) contributions to military construction
20 projects of the Department of Defense, includ-
21 ing planning, design, environmental reviews,
22 construction, construction management costs,
23 rents on privately-owned land, facilities, labor,
24 utilities, and vicinity improvements;

1 (C) contributions such as loan guarantees
2 on public-private venture housing and payment-
3 in-kind for facilities returned to Japan and
4 South Korea;

5 (D) contributions accepted for labor, logis-
6 tics, utilities, facilities, and any other purpose;
7 and

8 (E) other contributions as determined ap-
9 propriate by the Secretary.

10 (4) The methodology and accounting procedures
11 used to measure and track direct, indirect, and bur-
12 den-sharing contributions made by Japan and South
13 Korea.

14 (c) DESCRIPTION OF CONTRIBUTIONS IN UNITED
15 STATES DOLLARS.—The report required by subsection (a)
16 shall describe the direct, indirect, and burden-sharing con-
17 tributions of Japan and South Korea in United States dol-
18 lars and shall specify the exchange rates used to determine
19 the United States dollar value of such contributions.

20 (d) FORM.—The report required by subsection (a)
21 shall be submitted in unclassified form without any des-
22 ignation relating to dissemination control, but may contain
23 a classified annex.

1 (e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
2 FINED.—In this section, the term “appropriate congres-
3 sional committees” means—

- 4 (1) the congressional defense committees; and
- 5 (2) the Committee on Foreign Relations of the
6 Senate and the Committee on Foreign Affairs of the
7 House of Representatives.

8 **SEC. 1245. REPORT ON STRATEGY ON THE PHILIPPINES.**

9 (a) STRATEGY REQUIRED.—Not later than 120 days
10 after the date of the enactment of this Act, the Secretary
11 of Defense, in consultation with the Secretary of State,
12 shall submit to the appropriate congressional committees
13 a report describing the Department of Defense’s objectives
14 and strategy for achieving such objectives with the Phil-
15 ippines.

16 (b) ELEMENTS OF STRATEGY.—The strategy re-
17 quired by subsection (b) shall include the following:

18 (1) A description of the national security inter-
19 ests and objectives of the United States furthered by
20 the Mutual Defense Treaty between the Republic of
21 the Philippines and the United States of America.

22 (2) A description of the regional security envi-
23 ronment, including an assessment of threats to
24 United States national security interests and the

1 role of the Department of Defense in addressing
2 such threats, including—

3 (A) a description of security challenges
4 detrimental to regional peace and global sta-
5 bility;

6 (B) a description of violent extremist orga-
7 nizations present in the Philippines and the pri-
8 mary objectives of each such organization, in-
9 cluding—

10 (i) an assessment of the size and ca-
11 pability of each such organization;

12 (ii) an assessment of the transnational
13 threat posed by each such organization;

14 (iii) an assessment of recent trends in
15 the capability and influence of each such
16 organization; and

17 (iv) a description of the metrics used
18 to assess the capability and influence of
19 each such organization.

20 (3) A description of Department of Defense ob-
21 jectives with respect to the Philippines and the
22 benchmarks for assessing progress towards such ob-
23 jectives.

24 (4) An identification of all current and planned
25 Department of Defense resources, programs, and ac-

1 activities to support the strategy, including a review of
2 the necessity of an ongoing named operation and the
3 criteria used to determine such necessity.

4 (5) An identification of all current and planned
5 Department of Defense security cooperation and
6 other support or assistance programs or activities in
7 the Philippines, including—

8 (A) a description of the purpose, objec-
9 tives, and type of training, equipment, or assist-
10 ance provided under each such program or ac-
11 tivity;

12 (B) an identification of the lead agency re-
13 sponsible for each such program or activity;

14 (C) an identification of the authority or
15 authorities under which each such program or
16 activity is conducted;

17 (D) a description of the process and cri-
18 teria used to determine utilization between each
19 such authority or authorities;

20 (E) a description of how each such pro-
21 gram or activity advances United States na-
22 tional security interests as it relates to the De-
23 partment's strategy on the Philippines;

24 (F) an identification of the specific units of
25 the Philippine national security forces to receive

1 training, equipment, or assistance under each
2 such program;

3 (G) a description of the process and cri-
4 teria by which specific units of the Philippine
5 national security forces are selected as recipi-
6 ents of such programs and activities;

7 (H) an assessment of the current oper-
8 ational effectiveness of such units and their
9 command and control structures and a descrip-
10 tion of the metrics used to make and carry out
11 such assessment;

12 (I) an identification of priority capabilities
13 of such units to enhance through training,
14 equipment, or assistance under each such pro-
15 gram or activity;

16 (J) a plan to monitor and assess each such
17 program or activity to meet its objectives to en-
18 hance the capabilities of each such unit;

19 (K) a description of the planned posture of
20 United States Armed Forces and the planned
21 level of engagement by such forces with ele-
22 ments of the Philippine national security forces;
23 and

24 (L) an identification of—

1 (i) units of the Philippine national se-
2 curity forces that are alleged or determined
3 to have committed human rights abuses;
4 and

5 (ii) units of the Philippine national se-
6 curity forces that are under the command
7 and control of any unit identified under
8 clause (i) or otherwise associated with any
9 such unit.

10 (6) A description of relations of the Philippines
11 with other countries in the Indo-Pacific region.

12 (7) Any other matters the Secretary of Defense
13 determines should be included.

14 (c) FORM.—The strategy required by subsection (b)
15 shall be submitted in unclassified form without any des-
16 ignation relating to dissemination control, but may contain
17 a classified annex.

18 (d) APPROPRIATE CONGRESSIONAL COMMITTEES
19 DEFINED.—In this section, the term “appropriate con-
20 gressional committees” means—

21 (1) the congressional defense committees; and

22 (2) the Committee on Foreign Relations of the
23 Senate and the Committee on Foreign Affairs of the
24 House of Representatives.

1 **SEC. 1246. MODIFICATION OF ANNUAL REPORT ON MILI-**
2 **TARY AND SECURITY DEVELOPMENTS IN-**
3 **VOLVING THE PEOPLE'S REPUBLIC OF**
4 **CHINA.**

5 (a) ANNUAL REPORT.—Subsection (a) of section
6 1202 of the National Defense Authorization Act for Fiscal
7 Year 2000 (10 U.S.C. 113 note) is amended by inserting
8 “, in consultation with the heads of other Federal depart-
9 ments and agencies as appropriate,” after “the Secretary
10 of Defense”.

11 (b) MATTERS TO BE INCLUDED.—Subsection (b) of
12 such section is amended by striking paragraph (26) and
13 inserting the following:

14 “(26) An assessment of Chinese overseas in-
15 vestment, including a state-owned or controlled dig-
16 ital or physical infrastructure project of China, and
17 their relationship to Chinese security and military
18 objectives, including implications for United States
19 military or government interests related to denial of
20 access, compromised intelligence activities, and net-
21 work advantages.”.

22 (c) SPECIFIED CONGRESSIONAL COMMITTEES.—Sub-
23 section (c) of such section is amended—

24 (1) in paragraph (1), by striking “and the Com-
25 mittee on Foreign Relations” and inserting “, the

1 Committee on Foreign Relations, and the Select
2 Committee on Intelligence”; and

3 (2) in paragraph (2), by striking “and the Com-
4 mittee on International Relations” and inserting “,
5 the Committee on Foreign Affairs, and the Perma-
6 nent Select Committee on Intelligence”.

7 (d) OTHER DEFINITIONS.—Such section, as so
8 amended, is further amended—

9 (1) by redesignating subsection (d) as sub-
10 section (e); and

11 (2) by inserting after subsection (e) the fol-
12 lowing:

13 “(d) OTHER DEFINITIONS.—

14 “(1) IN GENERAL.—In subsection (b)(26), the
15 term ‘state-owned or controlled digital or physical
16 infrastructure project of China’ means a transpor-
17 tation, energy, or information technology infrastruc-
18 ture project owned, controlled, under the direct or
19 indirect influence of, or subsidized by the Govern-
20 ment of China, including any agency, instrumen-
21 tality, subdivision, or other unit of government at
22 any level of jurisdiction.

23 “(2) OWNED; CONTROLLED.—In paragraph
24 (1)—

1 “(A) the term ‘owned’, with respect to a
2 project, means a majority or controlling inter-
3 est, whether by value or voting interest, in that
4 project, including through fiduciaries, agents, or
5 other means; and

6 “(B) the term ‘controlled’, with respect to
7 a project, means—

8 “(i) the power by any means to deter-
9 mine or influence, directly or indirectly,
10 important matters affecting the project, re-
11 gardless of the level of ownership and
12 whether or not that power is exercised; and

13 “(ii) any Chinese company operating
14 in a sector identified as a strategic indus-
15 try in the Chinese Government’s ‘Made in
16 China 2025’ strategy to make China a
17 ‘manufacturing power’ as a core national
18 interest.”.

19 **SEC. 1247. MODIFICATION OF ANNUAL REPORT ON MILI-**
20 **TARY AND SECURITY DEVELOPMENTS IN-**
21 **VOLVING THE PEOPLE’S REPUBLIC OF**
22 **CHINA.**

23 (a) ANNUAL REPORT.—Subsection (a) of section
24 1202 of the National Defense Authorization Act for Fiscal
25 Year 2000 (10 U.S.C. 113 note) is amended by inserting

1 “, in consultation with the heads of other Federal depart-
2 ments and agencies as appropriate,” after “the Secretary
3 of Defense”.

4 (b) MATTERS TO BE INCLUDED.—Subsection (b) of
5 such section is amended by adding at the end the fol-
6 lowing:

7 “(29) Developments relating to the China Coast
8 Guard (in this paragraph referred to as the ‘CCG’),
9 including an assessment of—

10 “(A) how the change in the CCG’s com-
11 mand structure to report to China’s Central
12 Military Commission affects the CCG’s status
13 as a law enforcement entity;

14 “(B) the implications of the CCG’s com-
15 mand structure with respect to the use of the
16 CCG as a coercive tool in ‘gray zone’ activity in
17 the East China Sea and the South China Sea;
18 and

19 “(C) how the change in the CCG’s com-
20 mand structure may affect interactions between
21 the CCG and the United States Navy.”.

22 (c) SPECIFIED CONGRESSIONAL COMMITTEES.—Sub-
23 section (c) of such section is amended—

24 (1) in paragraph (1), by striking “and the Com-
25 mittee on Foreign Relations” and inserting “, the

1 Committee on Foreign Relations, and the Select
2 Committee on Intelligence”; and

3 (2) in paragraph (2), by striking “and the Com-
4 mittee on International Relations” and inserting “,
5 the Committee on Foreign Affairs, and the Perma-
6 nent Select Committee on Intelligence”.

7 **SEC. 1248. SENSE OF CONGRESS ON TAIWAN.**

8 It is the sense of Congress that—

9 (1) the Taiwan Relations Act (22 U.S.C. 3301
10 et seq.) and the “Six Assurances” are both corner-
11 stones of United States relations with Taiwan;

12 (2) the United States should continue to
13 strengthen defense and security cooperation with
14 Taiwan to support the development of capable,
15 ready, and modern defense forces necessary for Tai-
16 wan to maintain a sufficient self-defense capability,
17 including capabilities in support of an asymmetric
18 defense strategy;

19 (3) the United States should continue to sup-
20 port the acquisition by Taiwan of appropriate defen-
21 sive weapons through foreign military sales, direct
22 commercial sales, and industrial cooperation, with a
23 particular emphasis on asymmetric warfare, infor-
24 mation sharing, air defense, and maritime capabili-
25 ties, consistent with the Taiwan Relations 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 as well as time-
5 ly notification to Congress and adherence to congress-
6 sional oversight and review procedures; and

7 (5) the Secretary of Defense, in consultation
8 with the Secretary of State, should promote policies
9 concerning cooperation and exchanges that enhance
10 the security of Taiwan, including exchanges between
11 senior defense officials and general officers of the
12 United States and Taiwan consistent with the Tai-
13 wan Travel Act (Public Law 115–135).

14 **SEC. 1249. ENHANCING DEFENSE COOPERATION WITH**
15 **SINGAPORE.**

16 It is the sense of Congress that—

17 (1) the United States Armed Forces and Singa-
18 porean armed forces have built a strong and endur-
19 ing security partnership based on long-standing and
20 mutually beneficial cooperation;

21 (2) security cooperation between the United
22 States Armed Forces and Singaporean armed forces
23 is crucial to promoting peace and stability in the
24 Asia-Pacific region;

1 (3) Singapore’s status as a major security co-
2 operation partner of the United States, as recog-
3 nized in the “2005 Strategic Framework Agreement
4 between the United States and the Republic of
5 Singapore for a Closer Partnership in Defense and
6 Security”, has an important role in the promotion of
7 peace and stability, and global efforts to counter ter-
8 rorism;

9 (4) Singapore’s provision of access to its mili-
10 tary facilities for the United States has supported
11 the continued security presence of the United States
12 in Southeast Asia;

13 (5) the Singaporean armed forces’ support of
14 United States-led multinational reconstruction ef-
15 forts in Iraq from 2003 to 2008, reconstruction and
16 stabilization efforts in Afghanistan from 2007 to
17 2013, counter-piracy operations in the Gulf of Aden
18 under the ambit of Combined Task Force 151, and
19 contribution of physical and military assets to the
20 Defeat-ISIS Coalition since 2014, has contributed to
21 global efforts to counter terrorism;

22 (6) in recognition of the enduring security part-
23 nership between the United States and Singapore,
24 the Secretary of State, in consultation with the Sec-
25 retary of Defense, should, in negotiating the renewal

1 of the “1990 Memorandum of Understanding Re-
2 garding the United States Use of Facilities in Singa-
3 pore” that is due in 2020:

4 (A) reinforce Singapore’s status as a major
5 security cooperation partner of the United
6 States;

7 (B) enhance defense cooperation; and

8 (C) increase interoperability between the
9 United States Armed Forces and Singaporean
10 armed forces to promote peace and stability in
11 the Asia-Pacific region.

12 **Subtitle F—Matters Relating to** 13 **Europe and NATO**

14 **SEC. 1251. EXTENSION AND MODIFICATION OF NATO SPE-** 15 **CIAL OPERATIONS HEADQUARTERS.**

16 (a) **AUTHORIZATION.**—Subsection (a) of section 1244
17 of the National Defense Authorization Act for Fiscal Year
18 2010 (Public Law 111–84; 123 Stat. 2541) is amended
19 by striking “2020” and inserting “2023”.

20 (b) **REPEAL OF CERTIFICATION; LIMITATION.**—Such
21 section is amended—

22 (1) by striking subsection (c); and

23 (2) by inserting after subsection (b) the fol-
24 lowing new subsection:

1 “(c) LIMITATION.—Of the amounts made available
2 under subsection (a) for fiscal year 2020, not more than
3 90 percent of such amounts may be obligated or expended
4 until the Secretary of Defense, acting through the Assist-
5 ant Secretary of Defense for Special Operations and Low
6 Intensity Conflict, submits to the congressional defense
7 committees a report on the rearrangement of responsibil-
8 ities for overseeing and supporting NSHQ from U.S. Spe-
9 cial Operations Command to U.S. European Command in
10 2019, including—

11 “(1) a justification and description of the im-
12 pact of such rearrangement; and

13 “(2) a description of how such rearrangement
14 will strengthen the role of the NSHQ in fostering
15 special operations capabilities within NATO.”.

16 (c) ANNUAL REPORT.—Such section, as so amended,
17 is further amended by adding at the end the following new
18 subsection:

19 “(d) ANNUAL REPORT.—Not later than March 1 of
20 each year until 2024, the Secretary of Defense shall sub-
21 mit to the congressional defense committees and the Com-
22 mittee on Foreign Relations of the Senate and the Com-
23 mittee on Foreign Affairs of the House of Representatives
24 a report regarding support for the NSHQ. Each report
25 shall include the following:

1 “(1) The total amount of funding provided by
2 the United States and other NATO nations to the
3 NSHQ for operating costs of the NSHQ.

4 “(2) A description of the activities carried out
5 with such funding, including—

6 “(A) the amount of funding allocated for
7 each such activity;

8 “(B) the extent to which other NATO na-
9 tions participate in each such activity;

10 “(C) the extent to which each such activity
11 is carried out in coordination or cooperation
12 with the Joint Special Operations University;

13 “(D) the extent to which each such activity
14 is carried out in relation to other security co-
15 operation activities, exercises, or operations of
16 the Department of Defense;

17 “(E) the extent to which each such activity
18 is designed to meet the purposes set forth in
19 paragraphs (1) through (5) of subsection (b);
20 and

21 “(F) an assessment of the extent to which
22 each such activity will promote the mission of
23 the NSHQ.

1 “(3) Other contributions, financial or in kind,
2 provided by the United States and other NATO na-
3 tions in support of the NSHQ.

4 “(4) Any other matters that the Secretary of
5 Defense considers appropriate.”.

6 **SEC. 1252. MODIFICATION AND EXTENSION OF FUTURE**
7 **YEARS PLAN AND PLANNING TRANSPARENCY**
8 **FOR THE EUROPEAN DETERRENCE INITIA-**
9 **TIVE.**

10 (a) **PLAN REQUIRED.**—Section 1273(a) of the Na-
11 tional Defense Authorization Act for Fiscal Year 2018
12 (Public Law 115–91; 131 Stat. 1696) is amended—

13 (1) in paragraph (1), by striking “the date of
14 the enactment of this Act” and inserting “the date
15 of the enactment of the National Defense Authoriza-
16 tion Act for Fiscal Year 2020, and annually there-
17 after”; and

18 (2) in paragraph (2) to read as follows:

19 “(2) **APPLICABILITY.**—The initial plan shall
20 apply with respect to fiscal year 2021 and at least
21 the four succeeding fiscal years and each subsequent
22 plan shall apply with respect to the next subsequent
23 fiscal year and at least the four succeeding fiscal
24 years.”.

1 (b) BUDGET DISPLAY INFORMATION.—The Sec-
2 retary of Defense shall include in the materials submitted
3 to Congress by the Secretary in support of the budget of
4 the President for fiscal year 2021 and each fiscal year
5 thereafter (as submitted under section 1105 of title 31,
6 United States Code), a detailed budget display for the Eu-
7 ropean Deterrence Initiative that includes the following in-
8 formation (regardless of whether the funding line is for
9 overseas contingency operations):

10 (1) With respect to procurement accounts—

11 (A) amounts displayed by account, budget
12 activity, line number, line item, and line item
13 title; and

14 (B) a description of the requirements for
15 each such amounts specific to the Initiative.

16 (2) With respect to research, development, test,
17 and evaluation accounts—

18 (A) amounts displayed by account, budget
19 activity, line number, program element, and
20 program element title; and

21 (B) a description of the requirements for
22 each such amounts specific to the Initiative.

23 (3) With respect to operation and maintenance
24 accounts—

1 (A) amounts displayed by account title,
2 budget activity title, line number, and sub-
3 activity group title; and

4 (B) a description of how such amounts will
5 specifically be used.

6 (4) With respect to military personnel ac-
7 counts—

8 (A) amounts displayed by account, budget
9 activity, budget subactivity, and budget sub-
10 activity title; and

11 (B) a description of the requirements for
12 each such amounts specific to the Initiative.

13 (5) With respect to each project under military
14 construction accounts (including with respect to un-
15 specified minor military construction and amounts
16 for planning and design), the country, location,
17 project title, and project amount by fiscal year.

18 **SEC. 1253. PROTECTION OF EUROPEAN DETERRENCE INI-**
19 **TIATIVE FUNDS FROM DIVERSION FOR**
20 **OTHER PURPOSES.**

21 (a) REPORT ON OBLIGATION OF FUNDS.—

22 (1) IN GENERAL.—Not later than 15 days after
23 any obligation of funds in an amount of
24 \$10,000,000 or more for the European Deterrence
25 Initiative for fiscal year 2020 and each fiscal year

1 thereafter, the Secretary of Defense shall submit to
2 the congressional defense committees a report on
3 that obligation of such funds for that fiscal year.

4 (2) MATTERS TO BE INCLUDED.—Each report
5 under paragraph (1) shall specify—

6 (A) the activities and forms of assistance
7 for which the Secretary obligated such funds;
8 and

9 (B) the amount of the obligation.

10 (b) END OF FISCAL YEAR REPORT.—Not later than
11 November 30, 2020, and annually thereafter, the Sec-
12 retary of Defense shall submit to the congressional defense
13 committees a report that contains—

14 (1) a detailed summary of funds obligated for
15 the European Deterrence Initiative for the preceding
16 fiscal year; and

17 (2) a detailed comparison of funds obligated for
18 the European Deterrence Initiative for the preceding
19 fiscal year to amounts requested for the Initiative
20 for that fiscal year in the materials submitted to
21 Congress by the Secretary in support of the budget
22 of the President for that fiscal year as required by
23 section 1252(b), including with respect to each of
24 the accounts described in paragraphs (1), (2), (3),

1 (4), and (5) of section 1252(b) and the information
2 required under each such paragraph.

3 **SEC. 1254. STATEMENT OF POLICY ON UNITED STATES**
4 **MILITARY INVESTMENT IN EUROPE.**

5 It is the policy of the United States to develop, imple-
6 ment, and sustain a credible deterrent against aggression
7 and long-term strategic competition by the Government of
8 Russia in order to enhance regional and global security
9 and stability, including by the following:

10 (1) Increased United States presence in Eu-
11 rope, including additional permanently stationed
12 forces, continued rotational deployments, increased
13 pre-positioned military equipment, and sufficient and
14 necessary infrastructure additions and improvements
15 throughout Europe.

16 (2) Planning regarding the United States mili-
17 tary footprint in Europe to recognize the essential
18 role played by United States allies and partners in
19 establishing deterrence and advancing regional and
20 global security and stability.

21 (3) Commitment to the North Atlantic Treaty
22 Organization (NATO) and its founding values and
23 commitments by NATO allies to the common de-
24 fense, including NATO goals regarding defense in-

1 vestments, and to NATO's founding principles of de-
2 mocracy, individual liberty, and the rule of law.

3 (4) Planning to ensure the United States mili-
4 tary footprint in Europe is holistic and geographi-
5 cally appropriate for a comprehensive response to
6 the challenges posed by the Government of Russia
7 across numerous European fronts.

8 (5) Commitment to United States Government
9 investment and prioritization of efforts in Europe,
10 particularly through efforts led by the Department
11 of State, to counter the Government of Russia's
12 global campaign to interfere in and undermine
13 democratic systems of government, elections, values,
14 and institutions, and disrupt United States alliances
15 and partnerships, through indirect action (such as
16 information operations intended to influence), in-
17 cluding robust information sharing and cooperation
18 with partners and allies to counter influence cam-
19 paigns and sufficient cyber, counter-messaging, and
20 intelligence resources.

21 (6) Planning to take into account the impor-
22 tance of strategic stability, arms control, and stra-
23 tegic dialogue as they contribute to United States
24 national security, collective defense, and regional
25 and global security.

1 (7) Encouraging increased communication by
2 NATO officials, to raise awareness of the Alliance's
3 mission, efforts, and concerns achieved by actively
4 engaging with Congress and the executive branch.

5 **SEC. 1255. LIMITATION ON TRANSFER OF F-35 AIRCRAFT**
6 **TO TURKEY.**

7 (a) LIMITATION.—Except as provided in subsection
8 (b), no funds authorized to be appropriated or otherwise
9 made available to the Department of Defense for fiscal
10 year 2020 may be obligated or expended—

11 (1) to transfer, facilitate the transfer, or au-
12 thorize the transfer of, any F-35 aircraft or related
13 support equipment or parts to Turkey;

14 (2) to transfer intellectual property, technical
15 data, or material support necessary for or related to
16 any maintenance or support of the F-35 aircraft
17 necessary to establish Turkey's indigenous F-35 ca-
18 pability; or

19 (3) to construct a storage facility for, or other-
20 wise facilitate the storage in Turkey of, any F-35
21 aircraft transferred to Turkey.

22 (b) EXCEPTION.—The Secretary of Defense, jointly
23 with the Secretary of State, may waive the limitation
24 under subsection (a) only if such Secretaries submit to the
25 appropriate congressional committees a written certifi-

1 cation that contains a determination of such Secretaries,
2 and any relevant documentation that forms the basis for
3 the determination, that—

4 (1) the Government of Turkey has provided
5 credible assurances that Turkey will not accept de-
6 livery of the S-400 air and missile defense system
7 from Russia; or

8 (2) if the Government of Turkey has previously
9 accepted delivery of the S-400 air and missile de-
10 fense system from the Russia, the Government of
11 Turkey—

12 (A) no longer possesses the S-400 air and
13 missile defense system or any other equipment,
14 materials, or personnel associated with such
15 system; and

16 (B) has provided credible assurances that
17 it will not in the future accept delivery of the
18 S-400 air and missile defense system.

19 (c) APPLICABILITY.—The limitation under subsection
20 (a) does not apply with respect to F-35 aircraft operated
21 by the United States Armed Forces.

22 (d) DEFINITIONS.—In this section:

23 (1) APPROPRIATE CONGRESSIONAL COMMIT-
24 TEES.—The term “appropriate congressional com-
25 mittees” means—

1 (A) the congressional defense committees;
2 and

3 (B) the Committee on Foreign Relations of
4 the Senate and the Committee on Foreign Af-
5 fairs of the House of Representatives.

6 (2) TRANSFER.—The term “transfer” includes,
7 with respect to an F–35 aircraft, the physical reloca-
8 tion of the F–35 aircraft outside of the United
9 States.

10 **SEC. 1256. REPORT ON VALUE OF INVESTMENTS IN DUAL**
11 **USE INFRASTRUCTURE PROJECTS BY NATO**
12 **MEMBER STATES.**

13 (a) IN GENERAL.—Not later than June 1, 2020, the
14 Secretary of Defense, jointly with the Secretary of State,
15 shall submit to the appropriate congressional committees
16 a report on the value of investments in dual use infrastruc-
17 ture projects by the member states of the North Atlantic
18 Treaty Organization (NATO) in order to improve military
19 mobility and interoperability across Europe.

20 (b) ELEMENTS.—The report required by subsection
21 (a) shall include the following:

22 (1) The value to collective deterrence provided
23 by investments in dual use infrastructure projects by
24 the member states of NATO in order to meet the

1 military mobility goals set out at the 2018 NATO
2 Summit in Brussels.

3 (2) An assessment of proposed dual use infra-
4 structure projects for NATO.

5 (3) An assessment of proposed of dual use infra-
6 structure projects with respect to which the United
7 States can provide support, including a rec-
8 ommended prioritization of such projects.

9 (c) FORM.—The report required by subsection (a)
10 shall be submitted in unclassified form, but may include
11 a classified annex.

12 (d) DEFINITIONS.—In this section:

13 (1) APPROPRIATE CONGRESSIONAL COMMIT-
14 TEES.—The term “appropriate congressional com-
15 mittees” means—

16 (A) the congressional defense committees;
17 and

18 (B) the Committee on Foreign Relations of
19 the Senate and the Committee on Foreign Af-
20 fairs of the House of Representatives.

21 (2) DUAL USE INFRASTRUCTURE PROJECTS.—
22 The term “dual use infrastructure projects” means
23 those projects identified by the European Commis-
24 sion Action Plan on Military Mobility as necessary
25 to improve the trans-European transport network

1 (TEN-T) to meet the military requirements for mili-
2 tary mobility within and beyond the European
3 Union.

4 **SEC. 1257. SENSE OF CONGRESS ON SUPPORT FOR POLAND.**

5 (a) FINDINGS.—Congress makes the following find-
6 ings:

7 (1) Poland has been a valued member of the
8 North Atlantic Treaty Organization (NATO) since
9 1999 and an important ally of the United States,
10 contributing to the collective defense of NATO allies
11 and deterrence in Europe.

12 (2) Poland has made significant contributions
13 of forces to United States and NATO-led military
14 operations in Afghanistan, Iraq, Kosovo, and coun-
15 tering the Islamic State in Iraq and Syria.

16 (3) Poland contributed at least 2 percent of its
17 gross domestic product to defense spending in 2018,
18 meeting its commitment under the Wales Declara-
19 tion.

20 (4) Poland currently hosts on a rotational basis
21 United States forces from the Armored Combat Bri-
22 gade Team, a Combat Aviation Brigade, a NATO
23 enhanced Forward Presence Battalion, and a U.S.
24 Aegis Ashore missile defense site.

1 (b) SENSE OF CONGRESS.—It is the sense of Con-
2 gress that—

3 (1) the United States reaffirms its support for
4 the principle of collective defense in Article 5 of the
5 North Atlantic Treaty for its NATO allies, including
6 Poland;

7 (2) the United States appreciates the important
8 role that Poland plays in NATO efforts to sustain
9 credible deterrence in Europe;

10 (3) the United States supports continued de-
11 fense cooperation and continued exploration of op-
12 portunities for joint military cooperation, infrastruc-
13 ture enhancement, and defense investment with Po-
14 land; and

15 (4) the current and planned projects in Poland
16 funded by the European Deterrence Initiative should
17 be fully implemented in order to support existing
18 and future United States military activity.

19 **Subtitle G—Other Matters**

20 **SEC. 1261. SENSE OF CONGRESS ON UNITED STATES PART-** 21 **NERS AND ALLIES.**

22 It is the sense of Congress that—

23 (1) United States partners and allies are crit-
24 ical to achieving United States national security in-
25 terests and defense objectives around the world;

1 (2) strong military-to-military relationships with
2 partners and allies have helped to solidify and un-
3 dergird the post-World War II international order
4 and enhanced the United States' security through
5 common defense; and

6 (3) the United States should pursue a long-
7 term policy to strengthen existing military-to-mili-
8 tary relationships and cooperation with partners and
9 allies to achieve mutual objectives, and build new re-
10 lationships based on common values and shared in-
11 terests.

12 **SEC. 1262. MODIFICATION TO REPORT ON LEGAL AND POL-**
13 **ICY FRAMEWORKS FOR THE USE OF MILI-**
14 **TARY FORCE.**

15 Section 1264 of the National Defense Authorization
16 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.
17 1689) is amended—

18 (1) in the heading for subsection (a), by strik-
19 ing “INITIAL” and inserting “ANNUAL”;

20 (2) in subsection (a)(1), by striking “90 days
21 after the date of the enactment of this Act” and in-
22 sserting “March 1 of each year”; and

23 (3) in subsection (a)(2), by striking “during the
24 period” and all that follows to the end and inserting
25 “from the preceding year.”.

1 **SEC. 1263. LIMITATION ON AVAILABILITY OF CERTAIN**
2 **FUNDS UNTIL REPORT SUBMITTED ON DE-**
3 **PARTMENT OF DEFENSE AWARDS AND DIS-**
4 **CIPLINARY ACTION AS A RESULT OF THE 2017**
5 **INCIDENT IN NIGER.**

6 Of the funds authorized to be appropriated by this
7 Act or otherwise made available for fiscal year 2020 for
8 Operation and Maintenance, Defense-Wide, Office of the
9 Secretary of Defense, for Travel of Persons, not more than
10 80 percent of such funds may be obligated or expended
11 until the date on which the Secretary of Defense submits
12 to the congressional defense committees a report that con-
13 tains a description of each award and disciplinary action
14 issued, by rank, as a result of the AR 15-6 investigation
15 findings relating to the incident in Niger in 2017. The
16 report shall be submitted in a format that protects person-
17 ally identifiable information and is consistent with na-
18 tional security.

19 **SEC. 1264. INDEPENDENT ASSESSMENT OF SUFFICIENCY**
20 **OF RESOURCES AVAILABLE TO UNITED**
21 **STATES SOUTHERN COMMAND AND UNITED**
22 **STATES AFRICA COMMAND.**

23 (a) IN GENERAL.—The Secretary of Defense shall
24 seek to enter into a contract with a not-for-profit entity
25 or federally funded research and development center inde-
26 pendent of the Department of Defense to conduct an as-

1 assessment of the sufficiency of resources available to United
2 States Southern Command and United States Africa Com-
3 mand to carry out their respective missions.

4 (b) MATTERS TO BE INCLUDED.—The assessment
5 described in subsection (a) shall include—

6 (1) an assessment of the sufficiency of the re-
7 sources available to United States Southern Com-
8 mand and United States Africa Command, including
9 personnel, human resources, and financial resources,
10 in promoting United States national security inter-
11 ests;

12 (2) an assessment of the level of regional exper-
13 tise and experience of the leadership of each such
14 combatant command and their subordinate organiza-
15 tions, service components, and task forces, to include
16 personnel from agencies other than the Department
17 of Defense;

18 (3) a description of the strategic objectives and
19 end states in the geographic region for which each
20 such combatant command has responsibility and a
21 comparison of the importance and priority of the re-
22 sources available to each such combatant command
23 to perform its mission; and

24 (4) an assessment of the ability of each such
25 combatant command to carry out such strategic ob-

1 jectives and end states, including an assessment of
2 resources available, forces available, and other inter-
3 agency resources available to the combatant com-
4 mand.

5 (c) ACCESS TO INFORMATION.—The not-for-profit
6 entity or federally funded research and development center
7 with which the Secretary enters into the contract under
8 subsection (a) shall have full and direct access to all infor-
9 mation related to resources available to United States
10 Southern Command and United States Africa Command.

11 (d) REPORT.—

12 (1) IN GENERAL.—Not later than 240 days
13 after the date of the enactment of this Act, the not-
14 for-profit entity or federally funded research and de-
15 velopment center with which the Secretary of De-
16 fense enters into the contract under subsection (a)
17 shall submit to the Secretary of Defense, the Sec-
18 retary of State, and the Administrator of the United
19 States Agency for International Development a re-
20 port that contains the assessment required by sub-
21 section (a).

22 (2) SUBMISSION TO CONGRESS.—Not later than
23 1 year after the date of the enactment of this Act,
24 the Secretary of Defense shall submit to the appro-
25 priate congressional committees—

1 (A) a copy of such report without change;

2 and

3 (B) any comments, changes, recommenda-
4 tions, or other information of the Secretary of
5 Defense, the Secretary of State, and the Ad-
6 ministrator of the United States Agency for
7 International Development relating to the as-
8 sessment required by subsection (a) and con-
9 tained in such report.

10 (e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
11 FINED.—In this section, the term “appropriate congres-
12 sional committees” means—

13 (1) the congressional defense committees; and

14 (2) the Committee on Foreign Relations of the
15 Senate and the Committee on Foreign Affairs of the
16 House of Representatives.

17 **SEC. 1265. RULE OF CONSTRUCTION RELATING TO USE OF**
18 **MILITARY FORCE.**

19 Nothing in this Act or any amendment made by this
20 Act may be construed to authorize the use of military
21 force.

1 **SEC. 1266. RULE OF CONSTRUCTION RELATING TO USE OF**
2 **MILITARY FORCE AGAINST VENEZUELA.**

3 Nothing in this Act or any amendment made by this
4 Act may be construed to authorize the use of military force
5 against Venezuela.

6 **SEC. 1267. SENSE OF CONGRESS ON ACQUISITION BY TUR-**
7 **KEY OF PATRIOT SYSTEM.**

8 (a) FINDINGS.—Congress finds the following:

9 (1) The Government of Turkey has indicated in
10 a communication to Congress that there remains an
11 opportunity to meet Turkey's requirement for an air
12 and missile defense capability through the acquisi-
13 tion of the Patriot system from the United States.

14 (2) The acquisition of the Patriot system could
15 remove the need to acquire the S-400 air and missile
16 defense system from Russia, which is incompatible
17 with the integrated air and missile defense system of
18 the North Atlantic Treaty Organization (NATO)
19 and should preclude Turkey's participation in the F-
20 35 Joint Strike Fighter (JSF) consortium program
21 with the United States.

22 (b) SENSE OF CONGRESS.—Congress—

23 (1) supports the efforts of the United States
24 Government to achieve a satisfactory arrangement
25 with Turkey by which Turkey acquires the Patriot
26 system to defend its airspace, which would preserve

1 Turkey as a production partner in the F-35 JSF
2 consortium program;

3 (2) encourages the Department of Defense to
4 secure the deployment of a Patriot system to Tur-
5 key, under United States or NATO operational con-
6 trol, for the purpose of providing Turkey with an in-
7 terim capability to address urgent vulnerabilities in
8 Turkey's air and missile defense during the period
9 in which an agreement is reached for Turkey's ac-
10 quisition of the Patriot system; and

11 (3) notes that any such deployment of the Pa-
12 triot or a NATO interoperable system in the interim
13 is contingent on Turkey's commitment to cancel the
14 S-400 air and missile defense system acquisition.

15 **Subtitle H—Baltic Reassurance Act**

16 **SEC. 1271. FINDINGS.**

17 Congress finds the following:

18 (1) Russia seeks to diminish the North Atlantic
19 Treaty Organization (NATO) and recreate its sphere
20 of influence in Europe using coercion, intimidation,
21 and outright aggression.

22 (2) Deterring Russia from such aggression is
23 vital for transatlantic security.

24 (3) The illegal occupation of Crimea by Russia
25 and its continued engagement of destabilizing and

1 subversive activities against independent and free
2 states is of increasing concern.

3 (4) Russia also continues to disregard treaties,
4 international laws and rights to freedom of naviga-
5 tion, territorial integrity, and sovereign international
6 borders.

7 (5) Russia's continued occupation of Georgian
8 and Ukrainian territories and the sustained military
9 buildup in Russia's Western Military District and
10 Kaliningrad has threatened continental peace and
11 stability.

12 (6) The Baltic countries of Estonia, Latvia, and
13 Lithuania are particularly vulnerable to an increas-
14 ingly aggressive and subversive Russia.

15 (7) In a declaration to celebrate 100 years of
16 independence of Estonia, Latvia, and Lithuania
17 issued on April 3, 2018, the Trump Administration
18 reaffirmed United States commitments to these Bal-
19 tic countries to "improve military readiness and ca-
20 pabilities through sustained security assistance" and
21 "explore new ideas and opportunities, including air
22 defense, bilaterally and in NATO, to enhance deter-
23 rence across the region".

24 (8) These highly valued NATO allies of the
25 United States have repeatedly demonstrated their

1 commitment to advancing mutual interests as well
2 as those of the NATO alliance.

3 (9) The Baltic countries also continue to par-
4 ticipate in United States-led exercises to further pro-
5 mote coordination, cooperation, and interoperability
6 among allies and partner countries, and continue to
7 demonstrate their reliability and commitment to pro-
8 vide for their own defense.

9 (10) Lithuania, Latvia, and Estonia each hosts
10 a respected NATO Center of Excellence that pro-
11 vides expertise to educate and promote NATO allies
12 and partners in areas of vital interest to the alliance.

13 (11) United States support and commitment to
14 allies across Europe has been a lynchpin for peace
15 and security on the continent for over 70 years.

16 **SEC. 1272. SENSE OF CONGRESS.**

17 It is the sense of Congress as follows:

18 (1) The United States is committed to the secu-
19 rity of the Baltic countries and should strengthen
20 cooperation and support capacity-building initiatives
21 aimed at improving the defense and security of such
22 countries.

23 (2) The United States should lead a multilat-
24 eral effort to develop a strategy to deepen joint ca-
25 pabilities with Lithuania, Latvia, Estonia, NATO al-

1 lies, and other regional partners, to deter against ag-
2 gression from Russia in the Baltic region, specifi-
3 cally in areas that would strengthen interoperability,
4 joint capabilities, and military readiness necessary
5 for Baltic countries to strengthen their national re-
6 silience.

7 (3) The United States should explore the feasi-
8 bility of providing additional air and missile defense
9 systems in the Baltic region, including through
10 leveraging cost-sharing mechanisms and multilateral
11 deployment with NATO allies to reduce financial
12 burdens on host countries.

13 **SEC. 1273. DEFENSE ASSESSMENT.**

14 (a) IN GENERAL.—Not later than 1 year after the
15 date of the enactment of this Act, the Secretary of Defense
16 and the Secretary of State shall jointly conduct a com-
17 prehensive, multilateral assessment of the military re-
18 quirements of such countries to deter and resist aggres-
19 sion by Russia that—

20 (1) provides an assessment of past and current
21 initiatives to improve the efficiency, effectiveness,
22 readiness and interoperability of Lithuania, Latvia,
23 and Estonia’s national defense capabilities; and

24 (2) assesses the manner in which to meet those
25 objectives, including future resource requirements

1 and recommendations, by undertaking activities in
2 the following areas:

3 (A) Activities to increase the rotational
4 and forward presence, improve the capabilities,
5 and enhance the posture and response readiness
6 of the United States or forces of NATO in the
7 Baltic region.

8 (B) Activities to improve air defense sys-
9 tems, including modern air-surveillance capabili-
10 ties.

11 (C) Activities to improve counter-un-
12 manned aerial system capabilities.

13 (D) Activities to improve command and
14 control capabilities through increasing commu-
15 nications, technology, and intelligence capacity
16 and coordination, including secure and hard-
17 ened communications.

18 (E) Activities to improve intelligence, sur-
19 veillance, and reconnaissance capabilities.

20 (F) Activities to enhance maritime domain
21 awareness.

22 (G) Activities to improve military and de-
23 fense infrastructure, logistics, and access, par-
24 ticularly transport of military supplies and
25 equipment.

1 (H) Investments to ammunition stocks and
2 storage.

3 (I) Activities and training to enhance cyber
4 security and electronic warfare capabilities.

5 (J) Bilateral and multilateral training and
6 exercises.

7 (K) New and existing cost-sharing mecha-
8 nisms with United States and NATO allies to
9 reduce financial burden.

10 (b) REPORT.—Not later than 1 year after the date
11 of the enactment of this Act, the Secretary of Defense and
12 the Secretary of State jointly shall submit to the appro-
13 priate congressional committees a report, which shall be
14 submitted in unclassified form but may include a classified
15 annex, that includes each of the following:

16 (1) A report on the findings of the assessment
17 conducted pursuant to subsection (a).

18 (2) A list of any recommendations resulting
19 from such assessment.

20 (3) An assessment of the resource requirements
21 to achieve the objectives described in subsection
22 (a)(1) with respect to the national defense capability
23 of Baltic countries, including potential investments
24 by host countries.

1 (4) A plan for the United States to use appro-
2 priate security cooperation authorities or other au-
3 thorities to—

4 (A) facilitate relevant recommendations in-
5 cluded in the list described in paragraph (2);

6 (B) expand joint training between the
7 Armed Forces and the military of Lithuania,
8 Latvia, or Estonia, including with the participa-
9 tion of other NATO allies; and

10 (C) support United States foreign military
11 sales and other equipment transfers to Baltic
12 countries especially for the activities described
13 in subparagraphs (A) through (I) of subsection
14 (a)(2).

15 **SEC. 1274. APPROPRIATE CONGRESSIONAL COMMITTEES**

16 **DEFINED.**

17 In this subtitle, the term “appropriate congressional
18 committees” means—

19 (1) the Committee on Armed Services, the
20 Committee on Foreign Affairs, the Permanent Select
21 Committee on Intelligence, and the Committee on
22 Appropriations of the House of Representatives; and

23 (2) the Committee on Armed Services, the
24 Committee on Foreign Relations, the Select Com-

1 committee on Intelligence, and the Committee on Appro-
2 priations of the Senate.

3 **TITLE XIII—COOPERATIVE**
4 **THREAT REDUCTION**

5 **SEC. 1301. FUNDING ALLOCATIONS.**

6 Of the \$338,700,000 authorized to be appropriated
7 to the Department of Defense for fiscal year 2020 in sec-
8 tion 301 and made available by the funding table in divi-
9 sion D for the Department of Defense Cooperative Threat
10 Reduction Program established under section 1321 of the
11 Department of Defense Cooperative Threat Reduction Act
12 (50 U.S.C. 3711), the following amounts may be obligated
13 for the purposes specified:

14 (1) For strategic offensive arms elimination,
15 \$492,000.

16 (2) For chemical weapons destruction,
17 \$12,856,000.

18 (3) For global nuclear security, \$33,919,000.

19 (4) For cooperative biological engagement,
20 \$183,642,000.

21 (5) For proliferation prevention, \$79,869,000.

22 (6) For activities designated as Other Assess-
23 ments/Administrative Costs, \$27,922,000.

1 **SEC. 1302. SPECIFICATION OF COOPERATIVE THREAT RE-**
2 **DUCTION FUNDS.**

3 Funds appropriated pursuant to the authorization of
4 appropriations in section 301 and made available by the
5 funding table in division D for the Department of Defense
6 Cooperative Threat Reduction Program shall be available
7 for obligation for fiscal years 2020, 2021, and 2022.

8 **TITLE XIV—OTHER**
9 **AUTHORIZATIONS**
10 **Subtitle A—Military Programs**

11 **SEC. 1401. WORKING CAPITAL FUNDS.**

12 Funds are hereby authorized to be appropriated for
13 fiscal year 2020 for the use of the Armed Forces and other
14 activities and agencies of the Department of Defense for
15 providing capital for working capital and revolving funds,
16 as specified in the funding table in section 4501.

17 **SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUC-**
18 **TION, DEFENSE.**

19 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds
20 are hereby authorized to be appropriated for the Depart-
21 ment of Defense for fiscal year 2020 for expenses, not oth-
22 erwise provided for, for Chemical Agents and Munitions
23 Destruction, Defense, as specified in the funding table in
24 section 4501.

25 (b) **USE.**—Amounts authorized to be appropriated
26 under subsection (a) are authorized for—

1 (1) the destruction of lethal chemical agents
2 and munitions in accordance with section 1412 of
3 the Department of Defense Authorization Act, 1986
4 (50 U.S.C. 1521); and

5 (2) the destruction of chemical warfare materiel
6 of the United States that is not covered by section
7 1412 of such Act.

8 **SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG AC-**
9 **TIVITIES, DEFENSE-WIDE.**

10 Funds are hereby authorized to be appropriated for
11 the Department of Defense for fiscal year 2020 for ex-
12 penses, not otherwise provided for, for Drug Interdiction
13 and Counter-Drug Activities, Defense-wide, as specified in
14 the funding table in section 4501.

15 **SEC. 1404. DEFENSE INSPECTOR GENERAL.**

16 Funds are hereby authorized to be appropriated for
17 the Department of Defense for fiscal year 2020 for ex-
18 penses, not otherwise provided for, for the Office of the
19 Inspector General of the Department of Defense, as speci-
20 fied in the funding table in section 4501.

21 **SEC. 1405. DEFENSE HEALTH PROGRAM.**

22 Funds are hereby authorized to be appropriated for
23 fiscal year 2020 for the Defense Health Program for use
24 of the Armed Forces and other activities and agencies of
25 the Department of Defense for providing for the health

1 of eligible beneficiaries, as specified in the funding table
2 in section 4501.

3 **SEC. 1406. NATIONAL DEFENSE SEALIFT FUND.**

4 Funds are hereby authorized to be appropriated for
5 fiscal year 2020 for the National Defense Sealift Fund,
6 as specified in the funding tables in section 4501.

7 **Subtitle B—Other Matters**

8 **SEC. 1411. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT**

9 **DEPARTMENT OF DEFENSE-DEPARTMENT OF**
10 **VETERANS AFFAIRS MEDICAL FACILITY DEM-**
11 **ONSTRATION FUND FOR CAPTAIN JAMES A.**
12 **LOVELL HEALTH CARE CENTER, ILLINOIS.**

13 (a) AUTHORITY FOR TRANSFER OF FUNDS.—Of the
14 funds authorized to be appropriated by section 1405 and
15 available for the Defense Health Program for operation
16 and maintenance, \$127,500,000 may be transferred by the
17 Secretary of Defense to the Joint Department of Defense—
18 Department of Veterans Affairs Medical Facility Dem-
19 onstration Fund established by subsection (a)(1) of sec-
20 tion 1704 of the National Defense Authorization Act for
21 Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571).
22 For purposes of subsection (a)(2) of such section 1704,
23 any funds so transferred shall be treated as amounts au-
24 thorized and appropriated specifically for the purpose of
25 such a transfer.

1 (b) USE OF TRANSFERRED FUNDS.—For the pur-
2 poses of subsection (b) of such section 1704, facility oper-
3 ations for which funds transferred under subsection (a)
4 may be used are operations of the Captain James A.
5 Lovell Federal Health Care Center, consisting of the
6 North Chicago Veterans Affairs Medical Center, the Navy
7 Ambulatory Care Center, and supporting facilities des-
8 igned as a combined Federal medical facility under an
9 operational agreement covered by section 706 of the Dun-
10 can Hunter National Defense Authorization Act for Fiscal
11 Year 2009 (Public Law 110–417; 122 Stat. 4500).

12 **SEC. 1412. AUTHORIZATION OF APPROPRIATIONS FOR**
13 **ARMED FORCES RETIREMENT HOME.**

14 There is hereby authorized to be appropriated for fis-
15 cal year 2020 from the Armed Forces Retirement Home
16 Trust Fund the sum of \$64,300,000 for the operation of
17 the Armed Forces Retirement Home.

1 **TITLE XV—AUTHORIZATION OF**
2 **ADDITIONAL APPROPRIA-**
3 **TIONS FOR OVERSEAS CON-**
4 **TINGENCY OPERATIONS**

5 **Subtitle A—Authorization of**
6 **Appropriations**

7 **SEC. 1501. PURPOSE.**

8 The purpose of this title is to authorize appropria-
9 tions for the Department of Defense for fiscal year 2020
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 2020 for procurement accounts for the Army,
15 the Navy and the Marine Corps, the Air Force, and De-
16 fense-wide activities, as specified in the funding table in
17 section 4102.

18 **SEC. 1503. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**
19 **TION.**

20 Funds are hereby authorized to be appropriated for
21 fiscal year 2020 for the use of the Department of Defense
22 for research, development, test, and evaluation, as speci-
23 fied in the funding table in section 4202.

1 **SEC. 1504. OPERATION AND MAINTENANCE.**

2 Funds are hereby authorized to be appropriated for
3 fiscal year 2020 for the use of the Armed Forces and other
4 activities and agencies of the Department of Defense for
5 expenses, not otherwise provided for, for operation and
6 maintenance, as specified in the funding table in section
7 4302.

8 **SEC. 1505. MILITARY PERSONNEL.**

9 Funds are hereby authorized to be appropriated for
10 fiscal year 2020 for the use of the Armed Forces and other
11 activities and agencies of the Department of Defense for
12 expenses, not otherwise provided for, military personnel
13 accounts, as specified in the funding table in section 4402.

14 **SEC. 1506. WORKING CAPITAL FUNDS.**

15 Funds are hereby authorized to be appropriated for
16 fiscal year 2020 for the use of the Armed Forces and other
17 activities and agencies of the Department of Defense for
18 providing capital for working capital and revolving funds,
19 as specified in the funding table in section 4502.

20 **SEC. 1507. DRUG INTERDICTION AND COUNTER-DRUG AC-**
21 **TIVITIES, DEFENSE-WIDE.**

22 Funds are hereby authorized to be appropriated for
23 the Department of Defense for fiscal year 2020 for ex-
24 penses, not otherwise provided for, for Drug Interdiction
25 and Counter-Drug Activities, Defense-wide, as specified in
26 the funding table in section 4502.

1 **SEC. 1508. DEFENSE INSPECTOR GENERAL.**

2 Funds are hereby authorized to be appropriated for
3 the Department of Defense for fiscal year 2020 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 4502.

7 **SEC. 1509. DEFENSE HEALTH PROGRAM.**

8 Funds are hereby authorized to be appropriated for
9 the Department of Defense for fiscal year 2020 for ex-
10 penses, not otherwise provided for, for the Defense Health
11 Program, as specified in the funding table in section 4502.

12 **Subtitle B—Financial Matters**

13 **SEC. 1511. TREATMENT AS ADDITIONAL AUTHORIZATIONS.**

14 The amounts authorized to be appropriated by this
15 title are in addition to amounts otherwise authorized to
16 be appropriated by this Act.

17 **SEC. 1512. SPECIAL TRANSFER AUTHORITY.**

18 (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

19 (1) **AUTHORITY.—**Upon determination by the
20 Secretary of Defense that such action is necessary in
21 the national interest, the Secretary may transfer
22 amounts of authorizations made available to the De-
23 partment of Defense in this title for fiscal year 2019
24 between any such authorizations for that fiscal year
25 (or any subdivisions thereof). Amounts of authoriza-
26 tions so transferred shall be merged with and be

1 available for the same purposes as the authorization
2 to which transferred.

3 (2) LIMITATION.—The total amount of author-
4 izations that the Secretary may transfer under the
5 authority of this subsection may not exceed
6 \$500,000,000.

7 (b) TERMS AND CONDITIONS.—

8 (1) IN GENERAL.—Transfers under this section
9 shall be subject to the same terms and conditions as
10 transfers under section 1001.

11 (2) ADDITIONAL LIMITATION ON TRANSFERS
12 FOR DRUG INTERDICTION AND COUNTER DRUG AC-
13 TIVITIES.—The authority provided by subsection (a)
14 may not be used to transfer any amount to Drug
15 Interdiction and Counter Drug Activities, Defense-
16 wide.

17 (c) ADDITIONAL AUTHORITY.—The transfer author-
18 ity provided by this section is in addition to the transfer
19 authority provided under section 1001.

20 **Subtitle C—Other Matters**

21 **SEC. 1521. AFGHANISTAN SECURITY FORCES FUND.**

22 (a) CONTINUATION OF PRIOR AUTHORITIES AND NO-
23 TICE AND REPORTING REQUIREMENTS.—Funds available
24 to the Department of Defense for the Afghanistan Secu-

1 rity Forces Fund for fiscal year 2020 shall be subject to
2 the conditions contained in—

3 (1) subsections (b) through (f) of section 1513
4 of the National Defense Authorization Act for Fiscal
5 Year 2008 (Public Law 110–181; 122 Stat. 428);
6 and

7 (2) section 1521(d)(1) of the National Defense
8 Authorization Act for Fiscal Year 2017 (Public Law
9 114–328; 130 Stat. 2577).

10 (b) EQUIPMENT DISPOSITION.—

11 (1) ACCEPTANCE OF CERTAIN EQUIPMENT.—

12 Subject to paragraph (2), the Secretary of Defense
13 may accept equipment that is procured using
14 amounts authorized to be appropriated for the Af-
15 ghanistan Security Forces Fund by this Act and is
16 intended for transfer to the security forces of the
17 Ministry of Defense and the Ministry of the Interior
18 of the Government of Afghanistan, but is not accept-
19 ed by such security forces.

20 (2) CONDITIONS ON ACCEPTANCE OF EQUIP-

21 MENT.—Before accepting any equipment under the
22 authority provided by paragraph (1), the Com-
23 mander of United States forces in Afghanistan shall
24 make a determination that such equipment was pro-
25 cured for the purpose of meeting requirements of the

1 security forces of the Ministry of Defense and the
2 Ministry of the Interior of the Government of Af-
3 ghanistan, as agreed to by both the Government of
4 Afghanistan and the Government of the United
5 States, but is no longer required by such security
6 forces or was damaged before transfer to such secu-
7 rity forces.

8 (3) ELEMENTS OF DETERMINATION.—In mak-
9 ing a determination under paragraph (2) regarding
10 equipment, the Commander of United States forces
11 in Afghanistan shall consider alternatives to the ac-
12 ceptance of such equipment by the Secretary. An ex-
13 planation of each determination, including the basis
14 for the determination and the alternatives consid-
15 ered, shall be included in the relevant quarterly re-
16 port required under paragraph (5).

17 (4) TREATMENT AS DEPARTMENT OF DEFENSE
18 STOCKS.—Equipment accepted under the authority
19 provided by paragraph (1) may be treated as stocks
20 of the Department of Defense upon notification to
21 the congressional defense committees of such treat-
22 ment.

23 (5) QUARTERLY REPORTS ON EQUIPMENT DIS-
24 POSITION.—

1 (A) IN GENERAL.—Not later than 90 days
2 after the date of the enactment of this Act and
3 every 90-day period thereafter during which the
4 authority provided by paragraph (1) is exer-
5 cised, the Secretary shall submit to the congres-
6 sional defense committees a report describing
7 the equipment accepted during the period cov-
8 ered by such report under the following:

9 (i) This subsection.

10 (ii) Section 1521(b) of the National
11 Defense Authorization Act for Fiscal Year
12 2017 (Public Law 114–328; 130 Stat.
13 2575).

14 (iii) Section 1531(b) of the National
15 Defense Authorization Act for Fiscal Year
16 2016 (Public Law 114–92; 129 Stat.
17 1088).

18 (iv) Section 1532(b) of the Carl Levin
19 and Howard P. “Buck” McKeon National
20 Defense Authorization Act for Fiscal Year
21 2015 (Public Law 113–291; 128 Stat.
22 3613).

23 (v) Section 1531(d) of the National
24 Defense Authorization Act for Fiscal Year

1 2014 (Public Law 113–66; 127 Stat. 938;
2 10 U.S.C. 2302 note).

3 (B) ELEMENTS.—Each report under sub-
4 paragraph (A) shall include a list of all equip-
5 ment that was accepted during the period cov-
6 ered by such report and treated as stocks of the
7 Department of Defense and copies of the deter-
8 minations made under paragraph (2), as re-
9 quired by paragraph (3).

10 (c) SECURITY OF AFGHAN WOMEN.—

11 (1) IN GENERAL.—Of the funds available to the
12 Department of Defense for the Afghan Security
13 Forces Fund for fiscal year 2020, it is the goal that
14 \$45,500,000, but in no event less than \$10,000,000,
15 shall be used for—

16 (A) the recruitment, integration, retention,
17 training, and treatment of women in the Af-
18 ghan National Defense and Security Forces;
19 and

20 (B) the recruitment, training, and con-
21 tracting of female security personnel for future
22 elections.

23 (2) TYPES OF PROGRAMS AND ACTIVITIES.—

24 Such programs and activities may include—

1 (A) efforts to recruit and retain women
2 into the Afghan National Defense and Security
3 Forces, including the special operations forces;

4 (B) programs and activities of the Direc-
5 torate of Human Rights and Gender Integra-
6 tion of the Ministry of Defense of Afghanistan
7 and the Office of Human Rights, Gender and
8 Child Rights of the Ministry of Interior of Af-
9 ghanistan;

10 (C) development and dissemination of gen-
11 der and human rights educational and training
12 materials and programs within the Ministry of
13 Defense and the Ministry of Interior of Afghan-
14 istan;

15 (D) efforts to address harassment and vio-
16 lence against women within the Afghan Na-
17 tional Defense and Security Forces;

18 (E) improvements to infrastructure that
19 address the requirements of women serving in
20 the Afghan National Defense and Security
21 Forces, including appropriate equipment for fe-
22 male security and police forces, and transpor-
23 tation for policewomen to their station;

24 (F) support for Afghanistan National Po-
25 lice Family Response Units; and

1 (G) security provisions for high-profile fe-
2 male police and military officers.

3 (d) ASSESSMENT OF AFGHANISTAN PROGRESS ON
4 OBJECTIVES.—

5 (1) ASSESSMENT REQUIRED.—Not later than
6 June 1, 2020, the Secretary of Defense shall, in con-
7 sultation with the Secretary of State, submit to the
8 Committee on Armed Services and the Committee on
9 Foreign Affairs of the House of Representatives and
10 the Committee on Armed Services and the Com-
11 mittee on Foreign Relations of the Senate an assess-
12 ment describing—

13 (A) the progress of the Government of the
14 Islamic Republic of Afghanistan toward meeting
15 shared security objectives; and

16 (B) the efforts of the Government of the
17 Islamic Republic of Afghanistan to manage, em-
18 ploy, and sustain the equipment and inventory
19 provided under subsection (a).

20 (2) MATTERS TO BE INCLUDED.—In conducting
21 the assessment required by paragraph (1), the Sec-
22 retary of Defense shall include each of the following:

23 (A) A consideration of the extent to which
24 the Government of Afghanistan has a strategy
25 for, and has taken steps toward, increased ac-

1 countability and the reduction of corruption
2 within the Ministry of Defense and the Ministry
3 of Interior of Afghanistan.

4 (B) A consideration of the extent to which
5 the capability and capacity of the Afghan Na-
6 tional Defense and Security Forces have im-
7 proved as a result of Afghanistan Security
8 Forces Fund investment, including through
9 training, and an articulation of the metrics used
10 to assess such improvements.

11 (C) A consideration of the extent to which
12 the Afghan National Defense and Security
13 Forces have been able to increase pressure on
14 the Taliban, al-Qaeda, the Haqqani network,
15 the Islamic State of Iraq and Syria-Khorasan,
16 and other terrorist organizations, including by
17 re-taking territory, defending territory, and dis-
18 rupting attacks.

19 (D) A consideration of the distribution
20 practices of the Afghan National Defense and
21 Security Forces and whether the Government of
22 Afghanistan is ensuring that supplies, equip-
23 ment, and weaponry supplied by the United
24 States are appropriately distributed to, and em-

1 ployed by, security forces charged with fighting
2 the Taliban and other terrorist organizations.

3 (E) A consideration of the extent to which
4 the Government of Afghanistan has designated
5 the appropriate staff, prioritized the develop-
6 ment of relevant processes, and provided or re-
7 quested the allocation of resources necessary to
8 support a peace and reconciliation process in
9 Afghanistan.

10 (F) A description of the ability of the Min-
11 istry of Defense and the Ministry of Interior of
12 Afghanistan to manage and account for pre-
13 viously divested equipment, including a descrip-
14 tion of any vulnerabilities or weaknesses of the
15 internal controls of such Ministry of Defense
16 and Ministry of Interior and any plan in place
17 to address shortfalls.

18 (G) A description of the monitoring and
19 evaluation systems in place to ensure assistance
20 provided under subsection (a) is used only for
21 the intended purposes.

22 (H) A description of any significant irreg-
23 ularities in the divestment of equipment to the
24 Afghan National Defense and Security Forces
25 during the period beginning on May 1, 2019,

1 and ending on May 1, 2020, including any
2 major losses of such equipment or any inability
3 on the part of the Afghan National Defense and
4 Security Forces to account for equipment so
5 procured.

6 (I) A description of the sustainment and
7 maintenance costs required during the period
8 beginning on May 1, 2019, and ending on May
9 1, 2020, for major weapons platforms pre-
10 viously divested, and a plan for how the Afghan
11 National Defense and Security Forces intends
12 to maintain such platforms in the future.

13 (J) A consideration of the extent to which
14 the Government of Afghanistan is adhering to
15 conditions for receiving assistance established in
16 annual financial commitment letters or any
17 other bilateral agreements with the United
18 States.

19 (K) A consideration of the extent to which
20 the Government of Afghanistan has made
21 progress in achieving security sector bench-
22 marks as outlined by the United States-Afghan
23 Compact (commonly known as the “Kabul
24 Compact”).

1 (L) Such other factors as the Secretaries
2 consider appropriate.

3 (3) FORM.—The assessment required by para-
4 graph (1) shall be submitted in unclassified form,
5 but may include a classified annex.

6 (4) WITHHOLDING OF ASSISTANCE FOR INSUF-
7 FICIENT PROGRESS.—

8 (A) IN GENERAL.—If the Secretary of De-
9 fense determines, in coordination with the Sec-
10 retary of State and pursuant to the assessment
11 under paragraph (1), that the Government of
12 Afghanistan has made insufficient progress in
13 the areas described in paragraph (2), the Sec-
14 retary of Defense shall—

15 (i) withhold \$480,000,000, to be de-
16 rived from amounts made available for as-
17 sistance for the Afghan National Defense
18 and Security Forces, from expenditure or
19 obligation until the date on which the Sec-
20 retary certifies to Congress that the Gov-
21 ernment of Afghanistan has made suffi-
22 cient progress; and

23 (ii) notify Congress not later than 30
24 days before withholding such funds.

1 (B) WAIVER.—If the Secretary of Defense
2 determines that withholding such assistance
3 would impede the national security objectives of
4 the United States by prohibiting, restricting,
5 delaying, or otherwise limiting the provision of
6 assistance, the Secretary may waive the with-
7 holding requirement under subparagraph (A) if
8 the Secretary, in coordination with the Sec-
9 retary of State, certifies such determination to
10 Congress not later than 30 days before the ef-
11 fective date of the waiver.

12 **TITLE XVI—STRATEGIC PRO-**
13 **GRAMS, CYBER, AND INTEL-**
14 **LIGENCE MATTERS**

15 **Subtitle A—Space Activities**

16 **SEC. 1601. NATIONAL SECURITY SPACE LAUNCH PROGRAM.**

17 (a) SENSE OF CONGRESS.—It is the sense of Con-
18 gress that—

19 (1) ensuring opportunities for future competi-
20 tion in the National Security Space Launch program
21 of the Air Force will decrease the overall cost of the
22 program and increase the likelihood of success with
23 respect to the Department of Defense stopping the
24 use of Russian-made RD–180 rocket engines, as re-
25 quired by section 1608 of the Carl Levin and How-

1 ard P. “Buck” McKeon National Defense Authoriza-
2 tion Act for Fiscal Year 2015 (Public Law 113–291;
3 10 U.S.C. 2271 note); and

4 (2) while Congress supports robust competition
5 within the National Security Space Launch program,
6 Congress recognizes the importance of providing a
7 regular launch manifest and incentives for a robust
8 industrial base to support national security require-
9 ments.

10 (b) PHASE TWO ACQUISITION STRATEGY.—In car-
11 rying out the phase two acquisition strategy, the Secretary
12 of the Air Force—

13 (1) shall ensure, except as provided by sub-
14 section (c), that launch services are procured only
15 from National Security Space Launch providers that
16 are offerors using launch vehicles or families of
17 launch vehicles that meet all of the requirements of
18 the Air Force for the delivery of all required pay-
19 loads to all reference orbits; and

20 (2) may not substantially change the acquisition
21 schedule or mission performance requirements.

22 (c) COMPETITIVE PROCEDURES.—If the Secretary of
23 the Air Force awards phase two contracts for more than
24 a total of 29 launches, the Secretary shall ensure that each
25 such contract for any launch after the 29th launch is

1 awarded using competitive procedures among all National
2 Security Space Launch providers.

3 (d) FUNDING FOR CERTIFICATION AND INFRASTRUC-
4 TURE.—

5 (1) AUTHORITY.—Pursuant to section 2371b of
6 title 10, United States Code, the Secretary of the
7 Air Force shall enter into an agreement described in
8 paragraph (2) with either National Security Space
9 Launch providers that have not entered into a phase
10 two contract for launch services occurring before fis-
11 cal year 2022 or National Security Space Launch
12 providers that have entered into a phase two con-
13 tract but have not entered into a launch services
14 agreement for such phase, or both.

15 (2) AGREEMENTS.—An agreement described in
16 this paragraph is an agreement that provides a Na-
17 tional Security Space Launch provider with not
18 more than \$500,000,000 for the provider to meet
19 the certification and infrastructure requirements
20 that are—

21 (A) unique to national security space mis-
22 sions; and

23 (B) necessary for a phase two contract, in-
24 cluding such contracts described in subsection

25 (c).

1 (e) DOWN SELECT NOTIFICATION.—The Under Sec-
2 retary of Defense for Acquisition and Sustainment, in co-
3 ordination with the Secretary of the Air Force, shall sub-
4 mit to the appropriate congressional committees written
5 notification of the two National Security Space Launch
6 providers selected during fiscal year 2020 by the Secretary
7 of the Air Force to be awarded phase two contracts not
8 later than 10 days before the Secretary publicly announces
9 such selection. The notification shall include, at a min-
10 imum—

- 11 (1) an identification of the selected providers;
- 12 (2) the evaluation criteria used in the selection;
- 13 (3) the total costs to the Air Force for such
14 contracts; and
- 15 (4) a risk assessment of the selected providers
16 in meeting national security requirements.

17 (f) REPORT.—Not later than 45 days after the date
18 on which the Secretary of the Air Force awards phase two
19 contracts during fiscal year 2020, the Secretary shall sub-
20 mit to the appropriate congressional committees a report
21 on—

- 22 (1) the total defense investments made with re-
23 spect to launch service agreements and engine devel-
24 opment for each National Security Space Launch
25 provider so awarded such phase two contracts; and

1 (2) how such investments in launch service pro-
2 viders were accounted for in the evaluation of the of-
3 fers for such phase two contracts.

4 (g) DEFINITIONS.—In this section:

5 (1) The term “appropriate congressional com-
6 mittees” means—

7 (A) the congressional defense committees;
8 and

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 (2) The term “phase two acquisition strategy”
14 means the process by which the Secretary of the Air
15 Force enters into phase two contracts and carries
16 out launches under the National Security Space
17 Launch program during fiscal years 2020 through
18 2024.

19 (3) The term “phase two contract” means a
20 contract for launch services under the National Se-
21 curity Space Launch program during fiscal years
22 2020 through 2024, as described in solicitation
23 number FA8811–19–R–0002 of the Air Force.

1 **SEC. 1602. PREPARATION TO IMPLEMENT PLAN FOR USE**
2 **OF ALLIED LAUNCH VEHICLES.**

3 (a) PREPARATION.—The Secretary of Defense, in co-
4 ordination with the Director of National Intelligence, shall
5 take actions necessary to prepare to implement the plan
6 developed pursuant to section 1603 of the National De-
7 fense Authorization Act for Fiscal Year 2017 (Public Law
8 114–328; 130 Stat. 2584) regarding using allied launch
9 vehicles to meet the requirements for achieving the policy
10 relating to assured access to space set forth in section
11 2273 of title 10, United States Code.

12 (b) ACTIONS REQUIRED.—In carrying out subsection
13 (a), the Secretary shall—

14 (1) identify the satellites of the United States
15 that would be appropriate to be launched on an al-
16 lied launch vehicle;

17 (2) assess the relevant provisions of Federal
18 law, regulations, and policies governing the launch of
19 national security satellites and determine whether
20 any legislative, regulatory, or policy actions (includ-
21 ing with respect to waivers) would be necessary to
22 allow for the launch of a national security satellite
23 on an allied launch vehicle; and

24 (3) address any certification requirements nec-
25 essary for such use of allied launch vehicles and the

1 estimated cost, schedule, and actions necessary to
2 certify allied launch vehicles for such use.

3 (c) SUBMISSION TO CONGRESS.—Not later than 90
4 days after the date of the enactment of this Act, the Sec-
5 retary of Defense shall submit to the appropriate congres-
6 sional committees a report on preparing to implement the
7 plan described in subsection (a), including information re-
8 garding each action required by paragraphs (1), (2), and
9 (3) of subsection (b).

10 (d) APPROPRIATE CONGRESSIONAL COMMITTEES
11 DEFINED.—In this section, the term “appropriate con-
12 gressional committees” means—

- 13 (1) the congressional defense committees; and
14 (2) the Permanent Select Committee on Intel-
15 ligence of the House of Representatives and the Se-
16 lect Committee on Intelligence of the Senate.

17 **SEC. 1603. ANNUAL DETERMINATION ON PLAN ON FULL IN-**
18 **TEGRATION AND EXPLOITATION OF OVER-**
19 **HEAD PERSISTENT INFRARED CAPABILITY.**

20 Section 1618(e) of the National Defense Authoriza-
21 tion Act for Fiscal Year 2016 (Public Law 114–92; 10
22 U.S.C. 2431 note) is amended by striking “for a fiscal
23 year” and inserting “for each fiscal year preceding fiscal
24 year 2029”.

1 **SEC. 1604. SPACE-BASED ENVIRONMENTAL MONITORING**
2 **MISSION REQUIREMENTS.**

3 (a) NRO.—

4 (1) **PROCUREMENT.**—The Director of the Na-
5 tional Reconnaissance Office shall procure a modern-
6 ized pathfinder program free-flyer satellite that—

7 (A) addresses space-based environmental
8 monitoring mission requirements;

9 (B) reduces the risk that the Department
10 of Defense experiences a gap in meeting such
11 requirements during the period beginning Janu-
12 ary 1, 2023, and ending December 31, 2025;
13 and

14 (C) is launched not later than January 1,
15 2023.

16 (2) **PLAN.**—Not later than 60 days after the
17 date of the enactment of this Act, the Director, in
18 coordination with the Secretary of the Air Force,
19 shall submit to the appropriate congressional com-
20 mittees a plan for the Director to procure and
21 launch the satellite under paragraph (1), including
22 with respect to—

23 (A) the requirements for such satellite, in-
24 cluding operational requirements;

25 (B) timelines for such procurement and
26 launch;

1 (C) costs for such procurement and launch;
2 and
3 (D) the launch plan.

4 (3) PROCEDURES.—The Director shall ensure
5 that the satellite under paragraph (1) is procured
6 using full and open competition through the use of
7 competitive procedures.

8 (b) AIR FORCE.—The Secretary of the Air Force
9 shall ensure that the electro-optical/infrared weather sys-
10 tem satellite—

11 (1) meets space-based environmental moni-
12 toring mission requirements;

13 (2) is procured using full and open competition
14 through the use of competitive procedures; and

15 (3) is launched not later than September 30,
16 2025.

17 (c) DEFINITIONS.—In this section:

18 (1) The term “appropriate congressional com-
19 mittees” means—

20 (A) the congressional defense committees;
21 and

22 (B) the Permanent Select Committee on
23 Intelligence of the House of Representatives
24 and the Select Committee on Intelligence of the
25 Senate.

1 (2) The term “space-based environmental moni-
2 toring mission requirements” means the national se-
3 curity requirements for cloud characterization and
4 theater weather imagery.

5 **SEC. 1605. PROTOTYPE PROGRAM FOR MULTI-GLOBAL**
6 **NAVIGATION SATELLITE SYSTEM RECEIVER**
7 **DEVELOPMENT.**

8 (a) **PROTOTYPE MULTI-GNSS PROGRAM.**—The Sec-
9 retary of Defense shall establish under the Space Develop-
10 ment Agency a program to prototype an M-code based,
11 multi-global navigation satellite system receiver that is ca-
12 pable of receiving covered signals to increase the resilience
13 and capability of military position, navigation, and timing
14 equipment against threats to the Global Positioning Sys-
15 tem and to deter the likelihood of attack on the worldwide
16 Global Positioning System by reducing the benefits of such
17 an attack.

18 (b) **ELEMENTS.**—In carrying out the program under
19 subsection (a), the Secretary shall—

20 (1) with respect to each covered signal that
21 could be received by the prototype receiver under
22 such program, conduct an assessment of the relative
23 benefits and risks of using that signal, including
24 with respect to any existing or needed monitoring in-
25 frastructure that would alert users of the Depart-

1 ment of Defense of potentially corrupted signal in-
2 formation, and the cyber risks and challenges of in-
3 corporating such signals into a properly designed re-
4 ceiver;

5 (2) ensure that monitoring systems are able to
6 include any monitoring network of the United States
7 or allies of the United States;

8 (3) conduct an assessment of the benefits and
9 risks, including with respect to the compatibility of
10 non-United States global navigation satellite system
11 signals with existing position, navigation, and timing
12 equipment of the United States, and the extent to
13 which the capability to receive such signals would
14 impact current receiver or antenna design; and

15 (4) conduct an assessment of the desirability of
16 establishing such program in a manner that—

17 (A) is a cooperative effort, coordinated
18 with the Secretary of State, between the United
19 States and the allies of the United States that
20 may also have interest in funding a multi-global
21 navigation satellite system and M-code pro-
22 gram; and

23 (B) the Secretary of Defense, in coordina-
24 tion with the Secretary of State, ensures that
25 the United States has access to sufficient in-

1 sight into trusted signals of allied systems to
2 assure potential reliance by the United States
3 on such signals.

4 (c) BRIEFING.—Not later than 90 days after the date
5 of the enactment of this Act, the Director of the Space
6 Development Agency, in coordination with the Air Force
7 GPS User Equipment Program office, shall provide to the
8 congressional defense committees a briefing on a plan to
9 carry out the program under subsection (a) that in-
10 cludes—

11 (1) the estimated cost, including total cost and
12 out-year funding requirements;

13 (2) the schedule for such program;

14 (3) a plan for how the results of the program
15 could be incorporated into future blocks of the Glob-
16 al Positioning System military user equipment pro-
17 gram; and

18 (4) the recommendations and analysis contained
19 in the study sponsored by the Department of De-
20 fense conducted by the MITRE Corporation on the
21 risks, benefits, and approaches to adding multi-glob-
22 al navigation satellite system capabilities to military
23 user equipment.

24 (d) REPORT.—Not later than 120 days after the date
25 of the enactment of this Act, the Secretary of Defense

1 shall submit to the congressional defense committees, the
2 Committee on Foreign Affairs of the House of Representa-
3 tives, and the Committee on Foreign Relations of the Sen-
4 ate a report containing—

5 (1) an explanation of how the Secretary intends
6 to comply with section 1609 of the John S. McCain
7 National Defense Authorization Act for Fiscal Year
8 2019 (Public Law 115–232; 132 Stat. 2110);

9 (2) an outline of any potential cooperative ef-
10 forts acting in accordance with the North Atlantic
11 Treaty Organization, the European Union, or Japan
12 that would support such compliance;

13 (3) an assessment of the potential to host, or
14 incorporate through software-defined payloads, Glob-
15 al Positioning System M-code functionality onto al-
16 lied global navigation satellite system systems; and

17 (4) an assessment of new or enhanced moni-
18 toring capabilities that would be needed to incor-
19 porate global navigation satellite system
20 functionality into weapon systems of the Depart-
21 ment.

22 (e) LIMITATION.—Of the funds authorized to be ap-
23 propriated by this Act or otherwise made available for fis-
24 cal year 2020 for increment 2 of the acquisition of military
25 Global Positioning System user equipment terminals, not

1 more than 75 percent may be obligated or expended until
2 the date on which the briefing has been provided under
3 subsection (c) and the report has been submitted under
4 subsection (d).

5 (f) DEFINITIONS.—In this section:

6 (1) The term “allied systems” means—

7 (A) the Galileo system of the European
8 Union;

9 (B) the QZSS system of Japan; and

10 (C) upon designation by the Secretary of
11 Defense, in consultation with the Director of
12 National Intelligence—

13 (i) the NAVIC system of India; and

14 (ii) any similarly associated wide area
15 augmentation systems.

16 (2) The term “covered signals”—

17 (A) means global navigation satellite sys-
18 tem signals from—

19 (i) allied systems; and

20 (ii) non-allied systems; and

21 (B) includes both trusted signals and open
22 signals.

23 (3) The term “M-code” means, with respect to
24 global navigation satellite system signals, military
25 code that provides enhanced positioning, navigation,

1 and timing capabilities and improved resistance to
2 existing and emerging threats, such as jamming.

3 (4) The term “non-allied systems” means—

4 (A) the Russian GLONASS system; and

5 (B) the Chinese Beidou system.

6 (5) The term “open signals” means global navi-
7 gation satellite system that do not include encryption
8 or other internal methods to authenticate signal in-
9 formation.

10 (6) The term “trusted signals” means global
11 navigation satellite system signals that incorporate
12 encryption or other internal methods to authenticate
13 signal information.

14 **SEC. 1606. COMMERCIAL SPACE SITUATIONAL AWARENESS**
15 **CAPABILITIES.**

16 (a) FINDINGS.—Congress finds the following:

17 (1) The Secretary of the Air Force is respon-
18 sible for developing the hardware and software sys-
19 tems to provide space situational awareness data to
20 the Commander of the United States Strategic Com-
21 mand to meet warfighter requirements.

22 (2) There have been significant delays and cost
23 increases in the program of record that underpin
24 space situational awareness.

1 (3) The Secretary terminated the Joint Space
2 Operations Center Mission Center and decided to
3 operationally accept the Joint Space Operations
4 Center Mission Center Increment 2 despite the fact
5 that only three of 12 planned capabilities in Joint
6 Space Operations Center Mission Center Increment
7 2 were accepted for use in operations.

8 (4) Multiple commercial vendors have the cur-
9 rent capability to detect, maintain custody of, and
10 provide analytical products that can address the
11 warfighter space situational awareness requirements
12 that were not filled in the Joint Space Operations
13 Center Mission Center and that have been impacted
14 by significant delays in the program of record.

15 (b) **PROCUREMENT.**—Not later than 90 days after
16 the date of the enactment of this Act, the Director of the
17 Space Development Agency shall procure commercial
18 space situational awareness services by awarding at least
19 two contracts for such services.

20 (c) **LIMITATION.**—Of the funds authorized to be ap-
21 propriated by this Act or otherwise made available for fis-
22 cal year 2020 for the enterprise space battle management
23 command and control, not more than 75 percent may be
24 obligated or expended until the date on which the Sec-
25 retary of Defense, without delegation, certifies to the con-

1 gressional committees that the Secretary has awarded the
2 contracts under subsection (b).

3 (d) REPORT.—Not later than January 31, 2020, the
4 Director of the Space Development Agency, in coordina-
5 tion with the Secretary of the Air Force, shall submit to
6 the congressional defense committees a report on using
7 commercial space situational awareness services to fill the
8 space situational awareness requirements that were not
9 filled in the Joint Space Operations Center Mission Cen-
10 ter. The report shall include the following:

11 (1) A description of current domestic commer-
12 cial capabilities to detect and track space objects in
13 low earth orbit below the 10 centimeter threshold of
14 legacy systems.

15 (2) A description of current domestic best-in-
16 breed commercial capabilities that can meet such re-
17 quirements.

18 (3) Estimates of the timelines, milestones, and
19 funding requirements to procure a near-term solu-
20 tion to meet such requirements until the develop-
21 ment programs of the Air Force are projected to be
22 operationally fielded.

23 (e) COMMERCIAL SPACE SITUATIONAL AWARENESS
24 SERVICES DEFINED.—In this section, the term “commer-
25 cial space situational awareness services” means commer-

1 cial space situational awareness processing software and
2 data to address warfighter requirements and fill gaps in
3 current space situational capabilities of the Air Force.

4 **SEC. 1607. INDEPENDENT STUDY ON PLAN FOR DETER-**
5 **RENCE IN SPACE.**

6 (a) FINDINGS.—Congress finds the following:

7 (1) Threats to space systems of the United
8 States have increased and continue to grow.

9 (2) While the United States must invest in ca-
10 pabilities to defend such systems in the event of an
11 attack in space, the United States must also identify
12 and implement policies that will reduce the likelihood
13 of such an attack.

14 (3) The United States is developing new capa-
15 bilities for enhancing resilience of such systems.

16 (4) However, the proper balance between active
17 defense, resilience, and the still lagging investment
18 area of reconstitution to enhance deterrence remains
19 unclear, as does the balance between classified and
20 unclassified activities needed to create deterrence.

21 (5) Independent analysis and assessment is nec-
22 essary to identify steps to increase deterrence in
23 space.

24 (b) INDEPENDENT STUDY.—

1 (1) IN GENERAL.—Not later than 30 days after
2 the date of the enactment of this Act, the Secretary
3 of Defense shall seek to enter into a contract with
4 a federally funded research and development center
5 or other independent entity to conduct a study on
6 deterrence in space.

7 (2) MATTERS INCLUDED.—The study under
8 paragraph (1) shall include, at a minimum, the fol-
9 lowing:

10 (A) An assessment of the existing range of
11 major studies and writings on space deterrence
12 and a comprehensive comparative analysis of
13 the conclusions of such studies and writings.

14 (B) An examination, using appropriate an-
15 alytical tools, of the approaches proposed by
16 such studies and writings with respect to cre-
17 ating conditions of deterrence suitable for use
18 in the space domain, including, at a minimum,
19 an assessment of all aspects of deterrence in
20 space, including varying classification, strate-
21 gies to deny benefit or impose cost, and space
22 mission assurance (including resilience, active
23 defense, and reconstitution).

24 (C) A determination, made either by ex-
25 tending such studies and writings or through

1 new analysis, of a holistic and comprehensive
2 theory of deterrence in space appropriate for
3 use in defense planning.

4 (D) An evaluation of existing policies, pro-
5 grams, and plans of the Department of Defense
6 to provide an assessment of the likely effective-
7 ness of those policies, programs, and plans to
8 achieve effective space deterrence.

9 (c) ASSESSMENT BY DEFENSE POLICY BOARD.—Not
10 later than 180 days after the date of the enactment of
11 this Act, the Defense Policy Board shall submit to the Sec-
12 retary of Defense an assessment of the study under sub-
13 section (b)(1), including, at a minimum—

14 (1) a determination of the soundness of the
15 study;

16 (2) a description of any disagreements the
17 Board has with the conclusions of such study, in-
18 cluding recommended changes or clarifications to
19 such conclusions the Board determines appropriate;
20 and

21 (3) changes to the policies, programs, and plans
22 of the Department of Defense that the Board rec-
23 ommends based on such study and the changes and
24 clarifications described in paragraph (2).

1 (d) REPORT.—Not later than 270 days after the date
2 of the enactment of this Act, the Secretary shall submit
3 to the congressional defense committees, the Committee
4 on Foreign Affairs of the House of Representatives, and
5 the Committee on Foreign Relations of the Senate a re-
6 port that contains the following:

7 (1) The study under subsection (b)(1), without
8 change.

9 (2) The assessment under subsection (c), with-
10 out change.

11 (3) Based on such study and assessment, a de-
12 scription of any changes to the policies, programs,
13 and plans of the Department of Defense that the
14 Secretary recommends to enhance deterrence in
15 space, including with respect to—

16 (A) considerations and decision on reduc-
17 ing the opportunities and incentives for adver-
18 saries to attack space systems of the United
19 States or allies of the United States;

20 (B) new architectures, including pro-
21 liferated systems, hosted payloads, non-tradi-
22 tional orbits, and reconstitution among others;

23 (C) appropriate uses of partnering with
24 both commercial entities and allies to improve
25 deterrence in space;

1 (D) necessary capabilities to enhance the
2 protection of space systems to achieve improved
3 deterrence;

4 (E) bilateral, multilateral, and unilateral
5 measures, including confidence-building meas-
6 ures, that could be taken to reduce the risk of
7 miscalculation that would lead to an attack in
8 space;

9 (F) policies and capability requirements
10 with regard to attribution of an attack in space;

11 (G) policies with regard to retaliatory
12 measures either in space or on the ground;

13 (H) authorities with regard to decisions
14 and actions to defend assets of the United
15 States in space; and

16 (I) changes to current war plans, routine
17 operations (including information sharing), and
18 demonstration and test procedures that could
19 enhance the capability of the United States to
20 signal the intentions and capabilities of the
21 United States in an effective manner.

22 (e) BRIEFING.—Not later than 270 days after the
23 date of the enactment of this Act, the Secretary shall pro-
24 vide to the congressional defense committees, the Com-
25 mittee on Foreign Affairs of the House of Representatives,

1 and the Committee on Foreign Relations of the Senate
2 a briefing on the study under subsection (b)(1) and the
3 assessment under subsection (c).

4 **SEC. 1608. RESILIENT ENTERPRISE GROUND ARCHITEC-**
5 **TURE.**

6 (a) SENSE OF CONGRESS.—It is the sense of Con-
7 gress that the Secretary of the Air Force, to advance the
8 security of the space assets of the Department of Defense,
9 should—

10 (1) expand on complimentary efforts within the
11 Air Force that promote the adoption of a resilient
12 enterprise ground architecture that is responsive to
13 new and changing threats and can rapidly integrate
14 new capabilities to make the warfighting force of the
15 United States more resilient in a contested
16 battlespace; and

17 (2) prioritize the swift transition of space
18 ground architecture to a common platform and le-
19 verage commercial capabilities in concurrence with
20 the 2015 intent memorandum of the Commander of
21 the Air Force Space Command.

22 (b) FUTURE ARCHITECTURE.—The Secretary of De-
23 fense shall, to the extent practicable—

24 (1) develop future satellite ground architectures
25 of the Department of Defense to be compatible with

1 complimentary commercial systems that can support
2 uplink and downlink capabilities with dual-band
3 spacecraft; and

4 (2) emphasize that future ground architecture
5 transition away from stove-piped systems to a serv-
6 ice-based platform that provides members of the
7 Armed Forces with flexible and adaptable capabili-
8 ties that—

9 (A) use, as applicable, commercially avail-
10 able capabilities and technologies for increased
11 resiliency and cost savings; and

12 (B) builds commercial opportunity and in-
13 tegration across the range of resilient space sys-
14 tems.

15 **Subtitle B—Defense Intelligence** 16 **and Intelligence-Related Activities**

17 **SEC. 1611. MODIFICATIONS TO ISR INTEGRATION COUNCIL** 18 **AND ANNUAL BRIEFING REQUIREMENTS.**

19 (a) ISR INTEGRATION COUNCIL.—Subsection (a) of
20 section 426 of title 10, United States Code, is amended
21 to read as follows:

22 “(a) ISR INTEGRATION COUNCIL.—(1) The Under
23 Secretary of Defense for Intelligence shall establish an In-
24 telligence, Surveillance, and Reconnaissance Integration
25 Council—

1 “(A) to assist the Secretary of Defense in car-
2 rying out the responsibilities of the Secretary under
3 section 105(a) of the National Security Act of 1947
4 (50 U.S.C. 3038(a));

5 “(B) to assist the Under Secretary with respect
6 to matters relating to—

7 “(i) integration of intelligence and counter-
8 intelligence capabilities and activities under sec-
9 tion 137(b) of this title of the military depart-
10 ments, intelligence agencies of the Department
11 of Defense, and relevant combatant commands;
12 and

13 “(ii) coordination of related developmental
14 activities of such departments, agencies, and
15 combatant commands; and

16 “(C) to otherwise provide a means to facilitate
17 such integration and coordination.

18 “(2) The Council shall be composed of—

19 “(A) the Under Secretary, who shall chair the
20 Council;

21 “(B) the directors of the intelligence agencies of
22 the Department of Defense;

23 “(C) the senior intelligence officers of the
24 armed forces and the regional and functional com-
25 batant commands;

1 “(D) the Director for Intelligence of the Joint
2 Chiefs of Staff; and

3 “(E) the Director for Operations of the Joint
4 Chiefs of Staff.

5 “(3) The Under Secretary shall invite the participa-
6 tion of the Director of National Intelligence (or a rep-
7 resentative of the Director) in the proceedings of the
8 Council.

9 “(4) The Under Secretary may designate additional
10 participants to attend the proceedings of the Council, as
11 the Under Secretary determines appropriate.”.

12 (b) ANNUAL BRIEFINGS.—Such section is further
13 amended by striking subsections (b) and (c) and inserting
14 the following new subsection (b):

15 “(b) ANNUAL BRIEFINGS ON THE INTELLIGENCE
16 AND COUNTERINTELLIGENCE REQUIREMENTS OF THE
17 COMBATANT COMMANDS.—(1) The Chairman of the Joint
18 Chiefs of Staff shall provide to the congressional defense
19 committees and the congressional intelligence committees
20 a briefing on the following:

21 “(A) The intelligence and counterintelligence
22 requirements, by specific intelligence capability type,
23 of each of the relevant combatant commands.

24 “(B) For the year preceding the year in which
25 the briefing is provided, the fulfillment rate for each

1 of the relevant combatant commands of the validated
2 intelligence and counterintelligence requirements, by
3 specific intelligence capability type, of such combat-
4 ant command.

5 “(C) A risk analysis identifying the critical gaps
6 and shortfalls in efforts to address operational and
7 strategic requirements of the Department of Defense
8 that would result from the failure to fulfill the vali-
9 dated intelligence and counterintelligence require-
10 ments of the relevant combatant commands.

11 “(D) A mitigation plan to balance and offset
12 the gaps and shortfalls identified under subpara-
13 graph (C), including with respect to spaceborne, air-
14 borne, ground, maritime, and cyber intelligence, sur-
15 veillance, and reconnaissance capabilities.

16 “(E) For the year preceding the year in which
17 the briefing is provided—

18 “(i) the number of intelligence and coun-
19 terintelligence requests of each commander of a
20 relevant combatant command determined by the
21 Joint Chiefs of Staff to be a validated require-
22 ment, and the total of capacity of such requests
23 provided to each such commander;

24 “(ii) with respect to such validated require-
25 ments—

1 “(I) the quantity of intelligence and
2 counterintelligence capabilities or activities,
3 by specific intelligence capability type, that
4 the Joint Chiefs of Staff requested each
5 military department to provide; and

6 “(II) the total of capacity of such re-
7 quests so provided by each such military
8 department; and

9 “(iii) a qualitative assessment of the align-
10 ment of intelligence and counterintelligence ca-
11 pabilities and activities with the program of
12 analysis for each combat support agency and
13 intelligence center of a military service that is
14 part of—

15 “(I) the Defense Intelligence Enter-
16 prise; and

17 “(II) the intelligence community.

18 “(2) The Under Secretary of Defense for Intelligence
19 shall provide to the congressional defense committees and
20 the congressional intelligence committees a briefing on
21 short-, mid-, and long-term strategies to address the vali-
22 dated intelligence and counterintelligence requirements of
23 the relevant combatant commands, including with respect
24 to spaceborne, airborne, ground, maritime, and cyber in-
25 telligence, surveillance, and reconnaissance capabilities.

1 “(3) The briefings required by paragraphs (1) and
2 (2) shall be provided at the same time that the President’s
3 budget is submitted pursuant to section 1105(a) of title
4 31 for each of fiscal years 2021 through 2025.

5 “(4) In this subsection:

6 “(A) The term ‘congressional intelligence com-
7 mittees’ has the meaning given that term in section
8 3 of the National Security Act of 1947 (50 U.S.C.
9 3003).

10 “(B) The term ‘Defense Intelligence Enterprise’
11 means the organizations, infrastructure, and meas-
12 ures, including policies, processes, procedures, and
13 products, of the intelligence, counterintelligence, and
14 security components of each of the following:

15 “(i) The Department of Defense.

16 “(ii) The Joint Staff.

17 “(iii) The combatant commands.

18 “(iv) The military departments.

19 “(v) Other elements of the Department of
20 Defense that perform national intelligence, de-
21 fense intelligence, intelligence-related, counter-
22 intelligence, or security functions.

23 “(C) The term ‘fulfillment rate’ means the per-
24 centage of combatant command intelligence and
25 counterintelligence requirements satisfied by avail-

1 able, acquired, or realigned intelligence and counter-
2 intelligence capabilities or activities.

3 “(D) The term ‘intelligence community’ has the
4 meaning given that term in section 3 of the National
5 Security Act of 1947 (50 U.S.C. 3003).”.

6 **SEC. 1612. SURVEY AND REPORT ON ALIGNMENT OF INTEL-**
7 **LIGENCE COLLECTIONS CAPABILITIES AND**
8 **ACTIVITIES WITH DEPARTMENT OF DEFENSE**
9 **REQUIREMENTS.**

10 (a) SURVEY AND REVIEW.—

11 (1) IN GENERAL.—Not later than 120 days
12 after the date of the enactment of this Act, the
13 Under Secretary of Defense for Intelligence, in co-
14 ordination with the Chairman of the Joint Chiefs of
15 Staff and the Director of National Intelligence,
16 shall—

17 (A) review the organization, posture, cur-
18 rent and planned investments, and processes of
19 the intelligence collections capabilities and ac-
20 tivities, for the purpose of assessing the suffi-
21 ciency, integration, and interoperability of such
22 capabilities and activities to support the current
23 and future requirements of the Department of
24 Defense; and

1 (B) conduct a survey of each geographic
2 and functional combatant command, with re-
3 spect to intelligence collections capabilities and
4 activities, to assess—

5 (i) the current state of the support of
6 such capabilities and activities to military
7 operations;

8 (ii) whether the posture of such capa-
9 bilities and activities is sufficient to ad-
10 dress the requirements of the Department
11 of Defense;

12 (iii) the extent to which such capabili-
13 ties and activities address gaps and defi-
14 ciencies with respect to the operational re-
15 quirements of the Global Campaign Plans,
16 as identified in the most recent readiness
17 reviews conducted by the Joint Staff; and

18 (iv) whether current and planned in-
19 vestments in such capabilities and activi-
20 ties are sufficient to address near-, mid-,
21 and long-term spaceborne, airborne, terres-
22 trial, and human collection capability re-
23 quirements.

24 (2) ELEMENTS.—The survey and review under
25 paragraph (1) shall include the following:

1 (A) A comprehensive assessment of intel-
2 ligence collections capabilities and activities,
3 and whether such capabilities and activities—

4 (i) are appropriately postured and suf-
5 ficiently resourced to meet current and fu-
6 ture requirements of the Department of
7 Defense;

8 (ii) are appropriately balanced to ad-
9 dress operational and strategic defense in-
10 telligence requirements; and

11 (iii) are sufficiently integrated and
12 interoperable between activities of the Mili-
13 tary Intelligence Program and the National
14 Intelligence Program to respond to emerg-
15 ing requirements of the Department of De-
16 fense.

17 (B) With respect to each geographic and
18 functional combatant command—

19 (i) information on the gaps and defi-
20 ciencies, by specific intelligence capability
21 type, described in paragraph (1)(B)(iii);

22 (ii) a review of the alignment of such
23 gaps and deficiencies with the intelligence,
24 surveillance, and reconnaissance submis-
25 sions to the integrated priorities list for

1 the period beginning with the completion
2 of the most recent readiness reviews con-
3 ducted by the Joint Staff and ending on
4 the date of the commencement of the sur-
5 vey and review under subsection (a); and

6 (iii) detailed information on the allo-
7 cation and realignment of intelligence col-
8 lections capabilities and activities to ad-
9 dress—

10 (I) such gaps and deficiencies;

11 and

12 (II) such intelligence, surveil-
13 lance, and reconnaissance submis-
14 sions.

15 (b) REPORT.—

16 (1) SUBMISSION.—Not later than 270 days
17 after the date of the enactment of this Act, the
18 Under Secretary of Defense for Intelligence shall
19 submit to the appropriate congressional committees
20 a report on the findings of the Under Secretary with
21 respect to the survey and review under subsection
22 (a)(1).

23 (2) CONTENT.—The report under paragraph
24 (1) shall include—

25 (A) an evaluation of—

1 (i) the organization, posture, current
2 and planned investments, and processes of
3 the intelligence collections capabilities and
4 activities, including the extent to which
5 such capabilities and activities enable the
6 geographic and functional combatant com-
7 mands to meet the operational and stra-
8 tegic requirements of the Department of
9 Defense;

10 (ii) the use or planned use by each ge-
11 ographic and functional combatant com-
12 mand of intelligence collections capabilities
13 and activities available to such command
14 to address operational and strategic re-
15 quirements of the Department of Defense;

16 (iii) the gaps and deficiencies de-
17 scribed in subsection (a)(1)(B)(iii), if any,
18 that prohibit each geographic and func-
19 tional combatant command from the most
20 effective use of the intelligence collections
21 capabilities and activities to address pri-
22 ority requirements of the Department of
23 Defense;

24 (iv) the accepted risk by the Secretary
25 of Defense from the prioritization of cer-

1 tain Department of Defense requirements
2 with respect to the allocation of intelligence
3 collections capabilities and activities; and

4 (v) the alignment and responsiveness
5 of intelligence collections capabilities and
6 activities with respect to the planning re-
7 quirements for the Program of Analysis of
8 each combat support agency that is part
9 of—

10 (I) the Defense Intelligence En-
11 terprise; and

12 (II) the intelligence community;
13 and

14 (B) recommendations, if any, to improve
15 the sufficiency, responsiveness, and interoper-
16 ability of intelligence collections capabilities and
17 activities to fulfill the operational and strategic
18 requirements of the Department of Defense.

19 (3) FORM.—The report under paragraph (1)
20 shall be submitted in unclassified form without any
21 designation relating to dissemination control, but
22 may contain a classified annex.

23 (c) DEFINITIONS.—In this section:

24 (1) The term “appropriate congressional com-
25 mittees” means—

1 (A) the congressional defense committees;
2 and

3 (B) the congressional intelligence commit-
4 tees.

5 (2) The term “combat support agency” has the
6 meaning given that term in section 193(f) of title
7 10, United States Code.

8 (3) The term “Defense Intelligence Enterprise”
9 has the meaning given that term in section
10 1633(e)(2) of the National Defense Authorization
11 Act for Fiscal Year 2017 (Public Law 114–328; 130
12 Stat. 2600).

13 (4) The term “intelligence collections capabili-
14 ties and activities” means the totality of intelligence
15 collections systems and processes which enable the
16 tasking, processing, exploitation, and dissemination
17 capabilities, capacity, and activities of the Defense
18 Intelligence Enterprise.

19 (5) The term “intelligence community” has the
20 meaning given that term in section 3 of the National
21 Security Act of 1947 (50 U.S.C. 3003).

22 (6) The term “congressional intelligence com-
23 mittees” has the meaning given that term in section
24 3 of the National Security Act of 1947 (50 U.S.C.
25 3003).

1 **SEC. 1613. MODIFICATION OF ANNUAL AUTHORIZATION OF**
2 **APPROPRIATIONS FOR NATIONAL FLAGSHIP**
3 **LANGUAGE INITIATIVE.**

4 Section 811(a) of the David L. Boren National Secu-
5 rity Education Act of 1991 (50 U.S.C. 1911(a)) is amend-
6 ed—

7 (1) by striking “fiscal year 2003” and inserting
8 “fiscal year 2020”; and

9 (2) by striking “\$10,000,000” and inserting
10 “\$16,000,000”.

11 **Subtitle C—Cyberspace-Related**
12 **Matters**

13 **SEC. 1621. NOTIFICATION REQUIREMENTS FOR SENSITIVE**
14 **MILITARY CYBER OPERATIONS.**

15 Section 395 of title 10, United States Code, is
16 amended—

17 (1) in subsection (b)(3), by inserting “, signed
18 by the Secretary,” after “written notification”; and

19 (2) in subsection (c)—

20 (A) in paragraph (1)—

21 (i) in subparagraph (A), by striking
22 “and” after the semicolon at the end;

23 (ii) by redesignating subparagraph
24 (B) as subparagraph (C); and

25 (iii) by inserting after subparagraph
26 (A) the following new subparagraph:

1 “(B) is determined to—

2 “(i) have a medium or high collateral ef-
3 fects estimate;

4 “(ii) have a medium or high intelligence
5 gain or loss;

6 “(iii) have a medium or high probability of
7 political retaliation, as determined by the polit-
8 ical military assessment contained within the
9 associated concept of operations;

10 “(iv) have a medium or high probability of
11 detection when detection is not intended; or

12 “(v) result in medium or high collateral ef-
13 fects; and”; and

14 (B) in paragraph (2)(B), by striking “out-
15 side the Department of Defense Information
16 Networks to defeat an ongoing or imminent
17 threat”.

18 **SEC. 1622. QUARTERLY CYBER OPERATIONS BRIEFINGS.**

19 Subsection (b) of section 484 of title 10, United
20 States Code, is amended—

21 (1) by redesignating paragraph (4) as para-
22 graph (5); and

23 (2) by inserting after paragraph (3) the fol-
24 lowing new paragraph:

1 “(4) An overview of the readiness of the Cyber
2 Mission Force to perform assigned missions.”.

3 **SEC. 1623. CYBER POSTURE REVIEW.**

4 Section 1644 of the National Defense Authorization
5 Act for Fiscal Year 2018 (Public Law 115–91) is amend-
6 ed—

7 (1) in subsection (a), by inserting “, not later
8 than December 31, 2022, and quadrennially there-
9 after,” before “conduct”;

10 (2) in subsection (b), by striking “the review”
11 and inserting “each review”;

12 (3) in subsection (c)—

13 (A) in the matter preceding paragraph (1),
14 by striking “The review” and inserting “Each
15 review”;

16 (B) by redesignating paragraph (9) as
17 paragraph (10); and

18 (C) by inserting after paragraph (8) the
19 following new paragraph:

20 “(9) An assessment of the potential costs, bene-
21 fits, and value, if any, of establishing a cyber force
22 as a separate uniformed service.”;

23 (4) in subsection (d)—

24 (A) in paragraph (1), by striking “the
25 cyber” and inserting “each cyber”;

1 (B) in paragraph (2), by striking “The re-
2 port” and inserting “Each report”; and

3 (C) by striking paragraph (3); and

4 (5) in subsection (e), by striking “period begin-
5 ning on the date that is five years after the date of
6 the enactment of this Act and ending on the date
7 that is 10 years after such date of enactment” and
8 inserting “each eight-year period that begins from
9 the date of each review conducted under subsection
10 (a)”.

11 **SEC. 1624. TIER 1 EXERCISE OF SUPPORT TO CIVIL AU-**
12 **THORITIES FOR A CYBER INCIDENT.**

13 Section 1648 of the John S. McCain National De-
14 fense Authorization Act for Fiscal Year 2019 is amend-
15 ed—

16 (1) in subsection (a), by striking “The” and in-
17 serting “Not later than February 1, 2020, the”; and

18 (2) by adding at the end the following new sub-
19 section:

20 “(c) **LIMITATION.**—Of the funds authorized to be ap-
21 propriated by this Act or otherwise made available for fis-
22 cal year 2020 for the Department of Defense for the
23 White House Communications Agency, not more than 90
24 percent of such funds may be obligated or expended until

1 the initiation of the tier 1 exercise required under sub-
2 section (a).”.

3 **SEC. 1625. EVALUATION OF CYBER VULNERABILITIES OF**
4 **MAJOR WEAPON SYSTEMS OF THE DEPART-**
5 **MENT OF DEFENSE.**

6 Section 1647 of the National Defense Authorization
7 Act for Fiscal Year 2016 is amended by adding at the
8 end the following new subsections:

9 “(f) WRITTEN NOTIFICATION.—If the Secretary de-
10 termines that the Department will not complete an evalua-
11 tion of the cyber vulnerabilities of each major weapon sys-
12 tem of the Department by the date specified in subsection
13 (a)(1), the Secretary shall provide to the congressional de-
14 fense committee written notification relating to each such
15 incomplete evaluation. Such a written notification shall in-
16 clude the following:

17 “(1) An identification of each major weapon
18 system requiring such an evaluation and the antici-
19 pated date of completion.

20 “(2) A justification for the inability to complete
21 such an evaluation by the date specified in sub-
22 section (a)(1).

23 “(g) REPORT.—The Secretary, acting through the
24 Assistant Secretary of Defense for Acquisition and
25 Sustainment, shall provide a report to the congressional

1 defense committees upon completion of the requirement
2 for an evaluation of the cyber vulnerabilities of each major
3 weapon system of the Department under this section.

4 Such report shall include the following:

5 “(1) An identification of cyber vulnerabilities of
6 each major weapon system requiring mitigation.

7 “(2) An identification of current and planned
8 efforts to address the cyber vulnerabilities of each
9 major weapon system requiring mitigation, including
10 efforts across the doctrine, organization, training,
11 materiel, leadership and education, personnel, and
12 facilities of the Department.

13 “(3) A description of joint and common cyber
14 vulnerability mitigation solutions and efforts, includ-
15 ing solutions and efforts across the doctrine, organi-
16 zation, training, materiel, leadership and education,
17 personnel, and facilities of the Department.

18 “(4) A description of lessons learned and best
19 practices regarding evaluations of the cyber
20 vulnerabilities and cyber vulnerability mitigation ef-
21 forts relating to major weapon systems.

22 “(5) A description of efforts to share lessons
23 learned and best practices regarding evaluations of
24 the cyber vulnerabilities and cyber vulnerability miti-

1 gation efforts of major weapon systems across the
2 Department.

3 “(6) An identification of measures taken to in-
4 stitutionalize evaluations of cyber vulnerabilities of
5 major weapon systems.

6 “(7) Information relating to guidance, proc-
7 esses, procedures, or other activities established to
8 mitigate or address the likelihood of cyber
9 vulnerabilities of major weapon systems by incorpo-
10 ration of lessons learned in the research, develop-
11 ment, test, evaluation, and acquisition cycle, includ-
12 ing promotion of cyber education of the acquisition
13 workforce.

14 “(8) Any other matters the Secretary deter-
15 mines relevant.”.

16 **SEC. 1626. EXTENSION OF THE CYBERSPACE SOLARIUM**
17 **COMMISSION.**

18 Paragraph (1) of section 1652(k) of the John S.
19 McCain National Defense Authorization Act for Fiscal
20 Year 2019 (Public Law 115–232) is amended by striking
21 “2019” and inserting “2020”.

1 **SEC. 1627. AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CYBER OPERATIONS-PECULIAR CAPABILITY DEVELOPMENT PROJECTS.**

2
3
4
5 (a) IN GENERAL.—The Secretary of Defense and
6 each Secretary concerned may obligate and expend not
7 more than \$3,000,000 of amounts authorized to be appro-
8 priated for operation and maintenance in each of fiscal
9 years 2020 through 2022 to carry out cyber operations-
10 peculiar capability development projects.

11 (b) CERTIFICATION.—For each development project
12 initiated under the authority provided for in subsection
13 (a), the Commander of U.S. Cyber Command shall certify
14 to the congressional defense committees that each project
15 is determined to be cyber operations-peculiar.

16 (c) NOTIFICATION.—Not later than 15 days after ex-
17 ercising the authority provided for in subsection (a), the
18 Secretary of Defense shall notify the congressional defense
19 committees of such exercise.

20 (d) REPORT.—Not later than December 31 of each
21 year through 2022, the Secretary of Defense shall submit
22 to the congressional defense committees a report on ex-
23 penditures made pursuant to the authority provided for
24 in subsection (a). Each such report shall include a full
25 description and evaluation of each of the cyber operations-
26 peculiar capability development projects that is the subject

1 of each such expenditure, definitions and standards for
2 cyber operations-peculiar requirements, transition plans,
3 and any other matters the Secretary determines relevant.

4 **SEC. 1628. NOTIFICATION OF DELEGATION OF AUTHORI-**
5 **TIES TO THE SECRETARY OF DEFENSE FOR**
6 **MILITARY OPERATIONS IN CYBERSPACE.**

7 (a) IN GENERAL.—The Secretary of Defense shall
8 provide written notification to the Committee on Armed
9 Services of the House of Representatives and the Com-
10 mittee on Armed Services of the Senate of authorities dele-
11 gated to the Secretary by the President for military oper-
12 ations in cyberspace that are otherwise held by the Na-
13 tional Command Authority, not later than 15 days after
14 any such delegation. Such notification shall include the
15 following:

16 (1) A description of the authorities delegated to
17 the Secretary.

18 (2) A description of relevant documents, includ-
19 ing execute orders, issued by the Secretary in ac-
20 cordance with such authorities.

21 (3) A list of countries in which such authorities
22 may be utilized.

23 (4) A description of authorized activities to be
24 conducted or planned to be conducted pursuant to
25 such authorities.

1 (5) Defined military objectives relating to such
2 authorities.

3 (b) PROCEDURES.—

4 (1) IN GENERAL.—The Secretary of Defense
5 shall establish and submit to the Committee on
6 Armed Services of the House of Representatives and
7 the Committee on Armed Services of the Senate pro-
8 cedures for complying with the requirements of sub-
9 section (a), consistent with the national security of
10 the United States and the protection of operational
11 integrity. The Secretary shall promptly notify the
12 Committee on Armed Services of the House of Rep-
13 resentatives and the Committee on Armed Services
14 of the Senate in writing of any changes to such pro-
15 cedures at least 14 days prior to the adoption of any
16 such changes.

17 (2) SUFFICIENCY.—The Committee on Armed
18 Services of the House of Representatives and the
19 Committee on Armed Services of the Senate shall
20 ensure that committee procedures designed to pro-
21 tect from unauthorized disclosure classified informa-
22 tion relating to national security of the United
23 States are sufficient to protect the information that
24 is submitted to the committees pursuant to this sec-
25 tion.

1 (3) NOTIFICATION IN EVENT OF UNAUTHOR-
2 IZED DISCLOSURE.—In the event of an unauthorized
3 disclosure of authorities covered by this section, the
4 Secretary of Defense shall ensure, to the maximum
5 extent practicable, that the Committee on Armed
6 Services of the House of Representatives and the
7 Committee on Armed Services of the Senate are no-
8 tified immediately. Notification under this paragraph
9 may be verbal or written, but in the event of a
10 verbal notification, a written notification signed by
11 the Secretary shall be provided by not later than 48
12 hours after the provision of such verbal notification.

13 **SEC. 1629. LIMITATION OF FUNDING FOR CONSOLIDATED**
14 **AFLOAT NETWORKS AND ENTERPRISE SERV-**
15 **ICES.**

16 Of the funds authorized to be appropriated by this
17 Act or otherwise made available for fiscal year 2020 for
18 the Consolidated Afloat Networks and Enterprise Serv-
19 ices, not more than 85 percent of such funds may be obli-
20 gated or expended until the Secretary of Defense, in co-
21 ordination with the Chief Information Officer of the De-
22 partment of Defense, certifies to the congressional defense
23 committees that the recommendations in the Audit of Con-
24 solidated Afloat Networks and Enterprise Services Secu-

1 rity Safeguards (DODIG-2019-072) have been imple-
2 mented.

3 **SEC. 1630. ANNUAL MILITARY CYBERSPACE OPERATIONS**
4 **REPORT.**

5 (a) IN GENERAL.—Not later than March 1 of each
6 year, the Secretary of Defense shall provide to the con-
7 gressional defense committees a written report detailing
8 all military cyberspace operations conducted in the pre-
9 vious calendar year. For each such operation each such
10 report shall include the following:

11 (1) An identification of the objective and pur-
12 pose.

13 (2) Impacted information technology infrastruc-
14 ture, by location.

15 (3) A description of tools and capabilities uti-
16 lized.

17 (4) An identification of the Cyber Mission
18 Force team, or other Department of Defense entity
19 or unit, that conducted such operation, and sup-
20 porting teams, entities, or units.

21 (5) A description of the infrastructure and plat-
22 forms on which such operation occurred.

23 (6) A description of relevant legal, operational,
24 and funding authorities, including Execute Orders
25 and Deployment Orders.

1 (7) Information relating to the total amount of
2 funding required and associated program elements.

3 (8) Any other matters the Secretary determines
4 relevant.

5 (b) CLASSIFICATION.—The Secretary of Defense
6 shall provide each report required under subsection (a) at
7 a classification level the Secretary determines appropriate.

8 (c) LIMITATION.—This section does not apply to
9 cyber-enabled military information support operations.

10 (d) DEFINITION.—In this section, the term “military
11 cyberspace operations” means defensive and offensive—

12 (1) cyber effects enabling operations, activities,
13 and missions; and

14 (2) cyber effects operations, activities, and mis-
15 sions.

16 **SEC. 1631. REPORT ON SYNCHRONIZATION OF EFFORTS RE-**
17 **LATING TO CYBERSECURITY IN THE DE-**
18 **FENSE INDUSTRIAL BASE.**

19 (a) REPORT.—Not later than May 1, 2020, the Sec-
20 retary of Defense shall submit to the congressional defense
21 committees a report on efforts, and roles and responsibil-
22 ities, relating to cybersecurity in the Defense Industrial
23 Base.

24 (b) ELEMENTS.—The report under subsection (a)
25 shall include the following:

1 (1) Definitions for “Controlled Unclassified In-
2 formation” (CUI) and “For Official Use Only”
3 (FOUO), as well as policies regarding protecting in-
4 formation designated as such.

5 (2) A comprehensive list of Department of De-
6 fense programs to assist the Defense Industrial Base
7 with cybersecurity compliance requirements of the
8 Department.

9 (3) An evaluation of the resources and utiliza-
10 tion of Department programs to assist the Defense
11 Industrial Base in complying with cybersecurity
12 compliance requirements referred to in paragraph
13 (2).

14 (4) Optimal levels of resourcing required for ac-
15 tivities, programs, and other Department efforts to
16 assess and monitor compliance by the Defense In-
17 dustrial Base with such cybersecurity compliance re-
18 quirements.

19 (5) Roles and responsibilities of the Under Sec-
20 retary of Defense for Acquisition and Sustainment,
21 the Chief Information Officer, the Chief Manage-
22 ment Officer, the Director of the Protecting Critical
23 Technologies Task Force, and the Secretaries of the
24 military services relating to the following:

1 (A) Establishing and ensuring compliance
2 with cybersecurity standards, regulations, and
3 policies.

4 (B) Deconflicting existing cybersecurity
5 standards, regulations, and policies.

6 (C) Coordinating with and providing as-
7 sistance to the Defense Industrial Base for cy-
8 bersecurity matters, particularly such relates to
9 the issues described in paragraphs (2), (3), and
10 (8).

11 (6) Efforts to enhance the Department's visi-
12 bility into its entire supply chain without violating
13 privacy.

14 (7) An evaluation of methodologies to tier cy-
15 bersecurity requirements for the Defense Industrial
16 Base relative to risk.

17 (8) Efforts to support and enhance threat infor-
18 mation sharing between the Department and the De-
19 fense Industrial Base.

20 (9) An evaluation of a single Sector Coordi-
21 nating Council for the Defense Industrial Base.

22 (10) An explanation of the Department's Pro-
23 tecting Critical Technologies Task Force efforts, and
24 how its work will be incorporated into existing De-
25 partment efforts.

1 (11) Any other information the Secretary of
2 Defense determines relevant.

3 (c) DEFINITION.—In this section, the term “Defense
4 Industrial Base” includes traditional and non-traditional
5 defense contractors and academic institutions with con-
6 tractual relationships with the Department of Defense re-
7 lated to activities involving information or technology re-
8 quiring cybersecurity compliance.

9 **SEC. 1632. BRIEFINGS ON THE STATUS OF THE NATIONAL**
10 **SECURITY AGENCY AND UNITED STATES**
11 **CYBER COMMAND PARTNERSHIP.**

12 (a) IN GENERAL.—Not later than 90 days after the
13 date of the enactment of this Act and quarterly thereafter,
14 the Secretary of Defense and the Director of National In-
15 telligence shall provide to the congressional defense com-
16 mittees and the Permanent Select Committee on Intel-
17 ligence of the House of Representatives and the Select
18 Committee on Intelligence of the Senate briefings on the
19 nature of the National Security Agency and United States
20 Cyber Command’s current and future partnership. Brief-
21 ings under this section shall terminate on January 1,
22 2022.

23 (b) ELEMENTS.—Each briefing under this section
24 shall include the following:

1 (1) Status updates on the current and future
2 National Security Agency-United States Cyber Com-
3 mand partnership efforts.

4 (2) Executed documents, written memoranda of
5 agreements or understandings, and policies issued
6 governing such current and future partnership.

7 (3) Projected long-term efforts.

8 (4) Updates related to the assessment required
9 under section 1642 of the National Defense Author-
10 ization Act for Fiscal Year 2017 (relating to limita-
11 tion on termination of dual-hat arrangement for
12 Commander of the United States Cyber Command;
13 Public Law 114–328).

14 **Subtitle D—Nuclear Forces**

15 **SEC. 1641. IMPROVEMENT TO ANNUAL REPORT ON THE** 16 **MODERNIZATION OF THE NUCLEAR WEAP-** 17 **ONS ENTERPRISE.**

18 (a) **EXTENSION.**—Section 1043(a) of the National
19 Defense Authorization Act for Fiscal Year 2012 (Public
20 Law 112–81; 125 Stat. 1576), as most recently amended
21 by section 1670 of the John S. McCain National Defense
22 Authorization Act for Fiscal Year 2019 (Public Law 115–
23 232; 132 Stat. 2157), is further amended in paragraph
24 (1) by striking “2023” and inserting “2024”.

1 (b) ACQUISITION COSTS.—Paragraph (2) of such sec-
2 tion is amended—

3 (1) by redesignating subparagraph (G) as sub-
4 paragraph (I); and

5 (2) by inserting after subparagraph (F) the fol-
6 lowing new subparagraphs:

7 “(G) For the 10-year period following the
8 date of the report, an estimate of the relative
9 percentage of acquisition costs of the military
10 departments, and of the entire Department of
11 Defense, represented by the costs to the De-
12 partment of Defense to modernize and recapi-
13 talize the nuclear weapons enterprise.

14 “(H) A plan covering the 25-year period
15 following the date of the report that—

16 “(i) covers the research and develop-
17 ment and production relating to nuclear
18 weapons that are being modernized or sus-
19 tained, including with respect to—

20 “(I) associated delivery systems
21 or platforms that carry nuclear weap-
22 ons;

23 “(II) nuclear command and con-
24 trol systems; and

1 “(III) facilities, infrastructure,
2 and critical skills; and

3 “(ii) includes estimated timelines for
4 such research and development and pro-
5 duction, and the estimated acquisition and
6 life cycle costs, including estimated cost
7 ranges if necessary, to modernize or re-
8 capitalize each system.”.

9 (c) TRANSFER OF PROVISION.—

10 (1) CODIFICATION.—Such section 1043, as
11 amended by subsections (a) and (b), is—

12 (A) transferred to chapter 24 of title 10,
13 United States Code;

14 (B) inserted after section 492;

15 (C) redesignated as section 492a; and

16 (D) amended—

17 (i) in the enumerator, by striking
18 “SEC.” and inserting “§”; and

19 (ii) in the section heading—

20 (I) by striking the period at the
21 end; and

22 (II) by conforming the typeface
23 and typestyle, including capitalization,
24 to the typeface and typestyle as used

1 in the section heading of section 491
2 of such title.

3 (2) CLERICAL AMENDMENT.—The table of sec-
4 tions at the beginning of chapter 24 of title 10,
5 United States Code, is amended by inserting after
6 the item relating to section 492 the following new
7 item:

“492a. Annual report on the plan for the nuclear weapons stockpile, nuclear
weapons complex, nuclear weapons delivery systems, and nu-
clear weapons command and control system.”.

8 **SEC. 1642. BRIEFINGS ON MEETINGS HELD BY THE NU-**
9 **CLEAR WEAPONS COUNCIL.**

10 Section 179 of title 10, United States Code, is
11 amended by adding at the end the following new sub-
12 section:

13 “(g) SEMIANNUAL BRIEFINGS.—Not later than 30
14 days after the date of the enactment of the National De-
15 fense Authorization Act for Fiscal Year 2020, and semi-
16 annually thereafter, the Council shall—

17 “(1) provide to the congressional defense com-
18 mittees a briefing on, with respect to the period cov-
19 ered by the briefing—

20 “(A) the dates on which the Council met;
21 and

22 “(B) a summary of any decisions made by
23 the Council pursuant to subsection (d) at each
24 such meeting, except with respect to budget de-

1 cisions relating to the budget of the President
2 for a fiscal year if the request for that fiscal
3 year has not been submitted to Congress as of
4 the date of the briefing; and

5 “(2) submit to such committees at the time of
6 the briefing—

7 “(A) any decision memoranda relating to
8 the decisions specified in paragraph (1)(B); and

9 “(B) a summary of the rationale and con-
10 siderations that informed such decision.”.

11 **SEC. 1643. ELIMINATION OF CONVENTIONAL REQUIRE-**
12 **MENT FOR LONG-RANGE STANDOFF WEAPON.**

13 Subsection (a) of section 217 of the National Defense
14 Authorization Act for Fiscal Year 2014 (Public Law 113–
15 66; 127 Stat. 706), as amended by section 1662 of the
16 John S. McCain National Defense Authorization Act for
17 Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2152),
18 is amended to read as follows:

19 “(a) LONG-RANGE STANDOFF WEAPON.—The Sec-
20 retary of the Air Force shall develop a follow-on air-
21 launched cruise missile to the AGM–86 that—

22 “(1) achieves initial operating capability for nu-
23 clear missions prior to the retirement of the nuclear-
24 armed AGM–86; and

1 “(2) is capable of internal carriage and employ-
2 ment for nuclear missions on the next-generation
3 long-range strike bomber.”.

4 **SEC. 1644. EXTENSION OF ANNUAL BRIEFING ON THE**
5 **COSTS OF FORWARD-DEPLOYING NUCLEAR**
6 **WEAPONS IN EUROPE.**

7 Section 1656(a) of the National Defense Authoriza-
8 tion Act for Fiscal Year 2016 (Public Law 114–92; 129
9 Stat. 1124) is amended—

10 (1) by striking “2021” and inserting “2024”;
11 and

12 (2) by inserting “, the Committee on Foreign
13 Affairs of the House of Representatives, and the
14 Committee on Foreign Relations of the Senate”
15 after “the congressional defense committees”.

16 **SEC. 1645. TEN-YEAR EXTENSION OF PROHIBITION ON**
17 **AVAILABILITY OF FUNDS FOR MOBILE VARI-**
18 **ANT OF GROUND-BASED STRATEGIC DETER-**
19 **MENT MISSILE.**

20 Section 1664 of the National Defense Authorization
21 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.
22 2615), as most recently amended by section 1666 of the
23 John S. McCain National Defense Authorization Act for
24 Fiscal Year 2019 (Public Law 115–232), is amended by

1 striking “for any of fiscal years 2017 through 2020” and
2 inserting “for any of fiscal years 2017 through 2030”.

3 **SEC. 1646. PROHIBITION ON AVAILABILITY OF FUNDS FOR**
4 **DEPLOYMENT OF LOW-YIELD BALLISTIC MIS-**
5 **SILE WARHEAD.**

6 None of the funds authorized to be appropriated by
7 this Act or otherwise made available for fiscal year 2020
8 for the Department of Defense may be used to deploy the
9 W76–2 low-yield warhead.

10 **SEC. 1647. REPORT ON MILITARY-TO-MILITARY DIALOGUE**
11 **TO REDUCE THE RISK OF MISCALCULATION**
12 **LEADING TO NUCLEAR WAR.**

13 Not later than 120 days after the date of the enact-
14 ment of this Act, the Secretary of Defense, in coordination
15 with the Secretary of State, shall submit to the congres-
16 sional defense committee, the Committee on Foreign Af-
17 fairs of the House of Representatives, and the Committee
18 on Foreign Relations of the Senate a report containing
19 the following:

20 (1) A description of—

21 (A) current military-to-military discussions
22 of the United States with counterparts from
23 governments of foreign countries to reduce the
24 risk of miscalculation, unintended consequences,

1 or accidents that could precipitate a nuclear
2 war; and

3 (B) bilateral and multilateral agreements
4 to which the United States is a party that ad-
5 dress such risks.

6 (2) An assessment conducted jointly by the Sec-
7 retary and the Chairman of the Joint Chiefs of Staff
8 of the policy and operational necessity, risks, bene-
9 fits, and costs of establishing military-to-military
10 discussions with Russia, China, and North Korea to
11 address such risks.

12 **SEC. 1648. PLAN ON NUCLEAR COMMAND, CONTROL, AND**
13 **COMMUNICATIONS SYSTEMS.**

14 (a) PLAN.—Not later than 270 days after the date
15 of the enactment of this Act, the Secretary of Defense,
16 in coordination with the Commander of the United States
17 Strategic Command, shall submit to the appropriate con-
18 gressional committees a plan on the future of the nuclear
19 command, control, and communications systems.

20 (b) MATTERS INCLUDED.—The plan under sub-
21 section (a) shall address the following:

22 (1) Near- and long-term plans and options to
23 recapitalize the nuclear command, control, and com-
24 munications systems to ensure the resilience of such
25 systems.

1 (2) Requirements for such systems, including
2 with respect to survivability and reliability.

3 (3) The risks and benefits of replicating the
4 current architecture for such systems as of the date
5 of the plan.

6 (4) The risks and benefits of using different ar-
7 chitectures for such systems, including, at a min-
8 imum, using hosted payloads.

9 (5) Whether such architectures should be classi-
10 fied or unclassified.

11 (6) Requirements and plans to ensure the secu-
12 rity of the supply chain of nuclear command, con-
13 trol, and communications systems.

14 (7) Timelines and general cost estimates for
15 long-term investments in such systems.

16 (8) Options for potential negotiation with ad-
17 versaries, including with respect to agreements to
18 not target nuclear command, control, and commu-
19 nications systems through kinetic, nonkinetic, or
20 cyber attacks.

21 (9) Any other matters the Secretary determines
22 appropriate.

23 (c) INTERIM BRIEFING.—Not later than 90 days
24 after the date of the enactment of this Act, the Secretary,
25 in coordination with the Commander, shall provide to the

1 congressional defense committees a briefing on the plan
2 under subsection (a).

3 **SEC. 1649. INDEPENDENT STUDY ON POLICY OF NO-FIRST-**
4 **USE OF NUCLEAR WEAPONS.**

5 (a) STUDY.—Not later than 30 days after the date
6 of the enactment of this Act, the Secretary of Defense
7 shall seek to enter into a contract with a federally funded
8 research and development center to conduct a study on
9 the United States adopting a policy to not use nuclear
10 weapons first.

11 (b) MATTERS INCLUDED.—The study under sub-
12 section (a) shall include the following:

13 (1) An assessment of the benefits of a policy to
14 not use nuclear weapons first in reducing the risk of
15 miscalculation in a crisis.

16 (2) An assessment of the likely reactions of the
17 allies of the United States with respect to the United
18 States adopting such a policy and how any negative
19 reactions could be mitigated, including the value of
20 engaging such allies to offer credible extended deter-
21 rence assurances.

22 (3) An assessment of which foreign countries
23 have stated or adopted such a policy.

24 (4) An assessment of how adversaries of the
25 United States might view such a policy.

1 (5) An assessment of the benefits and risks of
2 such a policy with respect to nuclear nonprolifera-
3 tion.

4 (6) An assessment of changes in force posture
5 and force requirements, if any, and costs or savings,
6 that such a policy would entail.

7 (7) Any other matters the Secretary determines
8 appropriate.

9 (c) SUBMISSION TO DOD.—Not later than 210 days
10 after the date of the enactment of this Act, the federally
11 funded research and development center shall submit to
12 the Secretary the study under subsection (a).

13 (d) SUBMISSION TO CONGRESS.—Not later than 240
14 days after the date of the enactment of this Act, the Sec-
15 retary shall submit to the congressional defense commit-
16 tees, the Committee on Foreign Affairs of the House of
17 Representatives, and the Committee on Foreign Relations
18 of the Senate the study under subsection (a), without
19 change.

20 (e) FORM.—The study under subsection (a) shall be
21 submitted under subsections (c) and (d) in unclassified
22 form, but may include a classified annex.

1 **SEC. 1650. INDEPENDENT STUDY ON RISKS OF NUCLEAR**
2 **TERRORISM AND NUCLEAR WAR.**

3 (a) STUDY.—Not later than 30 days after the date
4 of the enactment of this Act, the Secretary of Defense
5 shall seek to enter into an agreement with the National
6 Academy of Sciences to conduct a study on the potential
7 risks of nuclear terrorism and nuclear war.

8 (b) MATTERS INCLUDED.—The study under sub-
9 section (a) shall—

10 (1) quantify the potential risks of nuclear ter-
11 rorism and nuclear war, including the level of uncer-
12 tainty;

13 (2) assess prior literature on such risks;

14 (3) assess the role that quantitative risk anal-
15 ysis and other disciplines can play in quantifying
16 such risks, including the limitations of such analysis
17 and disciplines;

18 (4) assess the extent to which the nuclear strat-
19 egy of the United States is consistent with the risks
20 of nuclear terrorism and nuclear war identified in
21 the study; and

22 (5) provide recommendations as to whether fun-
23 damental assumptions about the national security
24 strategy of the United States might need to be re-
25 considered.

1 (c) SUBMISSION.—Not later than one year after the
2 date of the enactment of this Act, the Secretary shall sub-
3 mit to the congressional defense committees the study
4 under subsection (a), without change.

5 (d) FORM.—The study shall be submitted under sub-
6 section (c) in unclassified form, but may include a classi-
7 fied annex.

8 **Subtitle E—Missile Defense**

9 **Programs**

10 **SEC. 1661. NATIONAL MISSILE DEFENSE POLICY.**

11 (a) POLICY.—Subsection (a) of section 1681 of the
12 National Defense Authorization Act for Fiscal Year 2017
13 (Public Law 114–328; 10 U.S.C. 2431 note) is amended
14 to read as follows:

15 “(a) POLICY.—It is the policy of the United States
16 to—

17 “(1) maintain and improve, with funding sub-
18 ject to the annual authorization of appropriations
19 and the annual appropriation of funds for National
20 Missile Defense—

21 “(A) an effective protection of the home-
22 land of the United States against offensive mis-
23 sile threats posed by rogue states; and

24 “(B) an effective regional missile defense
25 system capable of defending the allies, partners,

1 nation with the Director of the Space Development Agency
2 and the Secretary of the Air Force, shall—

3 “(1) develop a hypersonic and ballistic missile
4 tracking space sensor payload; and

5 “(2) include such payload as a component of
6 the sensor architecture developed under subsection
7 (a).”.

8 (b) UPDATED PLAN.—Such section is further amend-
9 ed by inserting after subsection (h), as redesignated by
10 subsection (a), the following new subsection:

11 “(i) UPDATED PLAN.—Not later than 90 days after
12 the date of the enactment of the National Defense Author-
13 ization Act for Fiscal Year 2020, the Director of the Mis-
14 sile Defense Agency, in coordination with the Director of
15 the Space Development Agency and the Secretary of the
16 Air Force, shall submit to the appropriate congressional
17 committees an update to the plan under subsection (h),
18 including the following:

19 “(1) How the Director of the Missile Defense
20 Agency, in coordination with the Director of the
21 Space Development Agency and the Secretary, will
22 develop the payload under subsection (d) and include
23 such payload in the sensor architecture developed
24 under subsection (a).

1 “(2) How such payload will address the require-
2 ment of the United States Strategic Command for a
3 hypersonic and ballistic missile tracking space sens-
4 ing capability.

5 “(3) The estimated costs (in accordance with
6 subsection (e)) to develop, acquire, and deploy, and
7 the lifecycle costs to operate and sustain, the pay-
8 load under subsection (f) and include such payload
9 in the sensor architecture developed under sub-
10 section (a).”.

11 (c) CONFORMING AMENDMENT.—Subsection (h)(1)
12 of such section, as redesignated by subsection (a), is
13 amended by striking “with subsection (d)” and inserting
14 “with subsection (e)”.

15 **SEC. 1663. REQUIREMENT FOR TESTING OF REDESIGNED**

16 **KILL VEHICLE PRIOR TO PRODUCTION.**

17 (a) SENSE OF CONGRESS.—It is the sense of Con-
18 gress that the Director of the Missile Defense Agency
19 must address the technical issues of the redesigned kill
20 vehicle prior to moving forward with development, pro-
21 curement, and fielding of the vehicle.

22 (b) MODIFICATIONS TO WAIVER REQUIREMENTS.—
23 Subsection (b) of section 1683 of the John S. McCain Na-
24 tional Defense Authorization Act for Fiscal Year 2019

1 (Public Law 115–232; 132 Stat. 2163) is amended to read
2 as follows:

3 “(b) WAIVER.—The Secretary of Defense, without
4 delegation, may waive subsection (a) if—

5 “(1) the Secretary determines that the waiver is
6 in the interest of national security;

7 “(2) the Secretary conducts an assessment of
8 the missile developments of both North Korea and
9 Iran during the 18-month period preceding the date
10 of the waiver;

11 “(3) the Secretary determines that the threat of
12 missiles is advancing at a pace that requires addi-
13 tional capacity of the ground-based midcourse de-
14 fense system by 2023, including in light of the as-
15 sessment conducted under paragraph (2);

16 “(4) the Secretary determines that the waiver is
17 appropriate in light of the assessment conducted by
18 the Director of Operational Test and Evaluation
19 under subsection (c);

20 “(5) the Secretary submits to the congressional
21 defense committees a report containing—

22 “(A) a notice of the waiver, including the
23 rationale of the Secretary for making the waiv-
24 er; and

1 “(B) a certification by the Secretary that
2 the Secretary has analyzed and accepts the risk
3 of making and implementing a lot production
4 decision for the redesigned kill vehicle prior to
5 the vehicle undergoing a successful flight inter-
6 cept test; and

7 “(6) a period of 30 days elapses following the
8 date on which the Secretary submits the report
9 under paragraph (5).”.

10 (c) **MODIFICATION TO ASSESSMENT.**—Subsection (c)
11 of such section is amended by inserting “and to the con-
12 gressional defense committees” after “to the Secretary of
13 Defense”.

14 **SEC. 1664. DEVELOPMENT OF SPACE-BASED BALLISTIC**
15 **MISSILE INTERCEPT LAYER.**

16 Section 1688 of the National Defense Authorization
17 Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.
18 2431 note) is amended—

19 (1) by striking subsection (c); and

20 (2) by redesignating subsection (d) as sub-
21 section (c).

22 **SEC. 1665. ORGANIZATION, AUTHORITIES, AND BILLETS OF**
23 **THE MISSILE DEFENSE AGENCY.**

24 (a) **INDEPENDENT STUDY.**—

1 (1) ASSESSMENT.—In accordance with para-
2 graph (2), the Secretary of Defense shall seek to
3 enter into a contract with a federally funded re-
4 search and development center to conduct a study
5 assessing—

6 (A) the organization of the Missile Defense
7 Agency under the Under Secretary of Defense
8 for Research and Engineering pursuant to sec-
9 tion 205(b) of title 10, United States Code;

10 (B) alternative ways to organize the Agen-
11 cy under other officials of the Department of
12 Defense, including the Under Secretary for Ac-
13 quisition and Sustainment and any other offi-
14 cial of the Department the federally funded re-
15 search and development center determines ap-
16 propriate; and

17 (C) transitioning the Agency to the stand-
18 ard acquisition process pursuant to Department
19 of Defense Instruction 5000, including both the
20 risks and benefits of making such a transition.

21 (2) SCOPE OF STUDY.—Before entering into the
22 contract with a federally funded research and devel-
23 opment center to conduct the study under paragraph
24 (1), the Secretary shall provide to the congressional

1 defense committees an update on the scope of such
2 study.

3 (3) SUBMISSION TO DOD.—Not later than 150
4 days after the date of the enactment of this Act, the
5 federally funded research and development center
6 shall submit to the Secretary a report containing the
7 study conducted under paragraph (1).

8 (4) SUBMISSION TO CONGRESS.—Not later than
9 180 days after the date of the enactment of this Act,
10 the Secretary shall submit to the congressional de-
11 fense committees the study under paragraph (1),
12 without change.

13 (b) NOTIFICATION ON CHANGES TO NON-STANDARD
14 ACQUISITION PROCESSES AND RESPONSIBILITIES.—

15 (1) LIMITATION.—None of the funds authorized
16 to be appropriated by this Act or otherwise made
17 available for fiscal year 2020 for the Secretary of
18 Defense may be obligated or expended to change the
19 non-standard acquisition processes and responsibil-
20 ities described in paragraph (2) until—

21 (A) the Secretary notifies the congressional
22 defense committees of such proposed change;
23 and

24 (B) a period of 90 days has elapsed fol-
25 lowing the date of such notification.

1 (2) NON-STANDARD ACQUISITION PROCESSES
2 AND RESPONSIBILITIES DESCRIBED.—The non-
3 standard acquisition processes and responsibilities
4 described in this paragraph are such processes and
5 responsibilities described in—

6 (A) the memorandum of the Secretary of
7 Defense titled “Missile Defense Program Direc-
8 tion” signed on January 2, 2002;

9 (B) Department of Defense Directive
10 5134.09, as in effect on the date of the enact-
11 ment of this Act; and

12 (C) United States Strategic Command In-
13 struction 583–3.

14 (c) LIMITATION ON CERTAIN TRANSFERS OF BIL-
15 LETS.—During fiscal year 2020, the Secretary of Defense
16 may not transfer civilian or military billets from the Mis-
17 sile Defense Agency to any element of the Department
18 under the Under Secretary of Defense for Research and
19 Engineering until, for each such transfer—

20 (1) the Secretary notifies the congressional de-
21 fense committees of such proposed transfer; and

22 (2) a period of 90 days has elapsed following
23 the date of such notification.

1 **SEC. 1666. MISSILE DEFENSE INTERCEPTOR SITE IN CON-**
2 **TIGUOUS UNITED STATES.**

3 (a) DESIGNATION.—The Secretary shall designate
4 the preferred location of a missile defense site in the con-
5 tiguous United States from among the locations evaluated
6 pursuant to section 227 of the National Defense Author-
7 ization Act for Fiscal Year 2013 (Public Law 112–239;
8 126 Stat. 1678). The Secretary shall make such designa-
9 tion based on the following:

10 (1) The environmental impact statement pre-
11 pared pursuant to section 227 of the National De-
12 fense Authorization Act for Fiscal Year 2013 (Pub-
13 lic Law 112–239; 126 Stat. 1678).

14 (2) Strategic and operational effectiveness, in-
15 cluding with respect to the location that is the most
16 advantageous site in providing coverage to the entire
17 contiguous United States, including having the capa-
18 bility to provide shoot-assess-shoot coverage to the
19 entire contiguous United States.

20 (3) Construction remediation efforts and im-
21 pacts to the existing environment at the site.

22 (4) The existing infrastructure at the site.

23 (5) The costs to construct, equip, and operate
24 the site.

25 (b) REPORT.—Not later than January 31, 2020, the
26 Secretary shall submit to the congressional defense com-

1 mitted a report on the designation made under subsection
2 (a) with respect to each factor specified in paragraphs (1)
3 through (5) of such subsection.

4 (c) **RULE OF CONSTRUCTION.**—Nothing in this sec-
5 tion may be construed—

6 (1) as requiring the Secretary of Defense to
7 begin a military construction project relating to the
8 missile defense site in the contiguous United States;
9 or

10 (2) as a statement that there is any current
11 military requirement for such a site.

12 (d) **CONFORMING REPEAL.**—Section 1681 of the Na-
13 tional Defense Authorization Act for Fiscal Year 2018
14 (Public Law 115–91; 131 Stat. 1776) is repealed.

15 **SEC. 1667. MISSILE DEFENSE RADAR IN HAWAII.**

16 (a) **CONSTRUCTION OF HOMELAND DEFENSE**
17 **RADAR—HAWAII.**—Subject to subsection (b), the Director
18 of the Missile Defense Agency may use funds authorized
19 to be appropriated by this Act or otherwise made available
20 for fiscal year 2020 for research, development, test, and
21 evaluation for the Missile Defense Agency to design, build,
22 and integrate the foundation of the homeland defense
23 radar in Hawaii and the thermal control system of the
24 radar.

1 (b) LIMITATION.—Of the funds authorized to be ap-
2 propriated by this Act or otherwise made available for fis-
3 cal year 2020 for research, development, test, and evalua-
4 tion for the homeland defense radar in Hawaii, not more
5 than 85 percent may be obligated or expended until the
6 Director—

7 (1) completes the critical design review of the
8 radar;

9 (2) submits to the congressional defense com-
10 mittees an assessment conducted by the Army Corps
11 of Engineers on the research, development, test, and
12 evaluation proposal to design, build, and integrate
13 the foundation of the radar and the thermal control
14 system of the radar that highlights any unique com-
15 ponents of such proposal; and

16 (3) provides to such committees a briefing on
17 incorporating the foundation and thermal control
18 system into the overall design of the radar.

19 **SEC. 1668. LIMITATION ON AVAILABILITY OF FUNDS FOR**
20 **LOWER TIER AIR AND MISSILE SENSOR.**

21 (a) LIMITATION.—Of the funds authorized to be ap-
22 propriated by this Act or otherwise made available for fis-
23 cal year 2020 for the Army for the lower tier air and mis-
24 sile defense sensor, not more than 75 percent may be obli-

1 gated or expended until the Secretary of the Army submits
2 the report under subsection (b).

3 (b) REPORT.—The Secretary of the Army shall sub-
4 mit to the congressional defense committees a report on
5 the test and demonstration of lower tier air and missile
6 defense sensors that occurred during the third quarter of
7 fiscal year 2019. Such report shall include the following:

8 (1) An explanation of how the test and dem-
9 onstration was conducted and what the test and
10 demonstration set out to achieve, including—

11 (A) an explanation of the performance
12 specifications used; and

13 (B) a description of the emulated threats
14 used in the test and demonstration and how
15 such threats compare to emerging regional air
16 and missile threats.

17 (2) An explanation of the capability of the sen-
18 sor system that the Secretary determined to be the
19 winner of the test and demonstration, including with
20 respect to—

21 (A) the capability of such sensor system
22 against key threats and requirements, including
23 whether such sensor system will be delivered
24 with full 360-degree coverage and the ability of

1 such sensor system to detect, track, and surveil
2 targets;

3 (B) the estimated procurement and life-
4 cycle costs of operating such sensor system; and

5 (C) the cost, timeline, and approach that
6 will be used to integrate the lower tier air and
7 missile defense sensor with other sensors using
8 the Integrated Air and Missile Defense Battle
9 Command System.

10 (3) An explanation of whether future perform-
11 ance improvements to the lower tier air and missile
12 defense sensor are conditional on intellectual prop-
13 erty and how such improvements will be made if the
14 United States does not own such intellectual prop-
15 erty.

16 **SEC. 1669. COMMAND AND CONTROL, BATTLE MANAGE-**
17 **MENT, AND COMMUNICATIONS PROGRAM.**

18 (a) **LIMITATION ON SALE.**—The Director of the Mis-
19 sile Defense Agency may not pursue release of the com-
20 mand and control, battle management, and communica-
21 tions program (or any variants thereof) for export until
22 the date on which the Director submits the report under
23 subsection (b).

24 (b) **REPORT.**—Not later than 90 days after the date
25 of the enactment of this Act, the Director shall submit

1 to the congressional defense committees, the Committee
2 on Foreign Affairs of the House of Representatives, and
3 the Committee on Foreign Relations of the Senate a re-
4 port containing the following:

5 (1) An explanation of the rationale of the Di-
6 rector for considering to export the command and
7 control, battle management, and communications
8 program (or any variants thereof) in light of the
9 critical role of the program in the strategic national
10 defense of the United States and the allies of the
11 United States against ballistic missile attack.

12 (2) The findings of the market research and
13 analysis conducted by the Director regarding export-
14 able command and control solutions for ballistic mis-
15 sile defense, including such solutions that are inter-
16 nationally available.

17 **SEC. 1670. ANNUAL ASSESSMENT OF BALLISTIC MISSILE**
18 **DEFENSE SYSTEM.**

19 (a) SENSE OF CONGRESS.—It is the sense of Con-
20 gress that operational test and evaluation of elements of
21 the ballistic missile defense system should be conducted
22 thoroughly in accordance with section 2399 of title 10,
23 United States Code, including with respect to the reports
24 required to be submitted to the congressional defense com-
25 mittees under subsection (b) of such section regarding the

1 results of testing conducted on major defense acquisition
2 programs.

3 (b) ANNUAL ASSESSMENT.—As part of the annual
4 report of the Director of Operational Test and Evaluation
5 submitted to Congress under section 139 of title 10,
6 United States Code, the Director shall include an assess-
7 ment of the ballistic missile defense system and all of the
8 elements of the system that have been fielded or are
9 planned, as of the date of the assessment, including—

10 (1) the operational effectiveness, suitability, and
11 survivability of the ballistic missile defense system
12 and the elements of the system that have been field-
13 ed or tested; and

14 (2) the adequacy and sufficiency of the test pro-
15 gram of such system as of the date of the assess-
16 ment, including with respect to the operational real-
17 ism of the tests.

18 (c) FORM.—Each assessment under subsection (a)
19 may be submitted in unclassified form, and may include
20 a classified annex.

1 **Subtitle F—Other Matters**

2 **SEC. 1681. MODIFICATION TO REPORTS ON CERTAIN SOLID**
3 **ROCKET MOTORS.**

4 Section 1696(b) of the John S. McCain National De-
5 fense Authorization Act for Fiscal Year 2019 (Public Law
6 115–232; 132 Stat. 2171) is amended—

7 (1) by striking “rockets or missiles” and insert-
8 ing “rockets, missiles, or space launch services” each
9 place it appears; and

10 (2) in paragraph (2)(C), by striking “rocket or
11 missile” and inserting “rocket, missile, or space
12 launch service”.

13 **SEC. 1682. REPEAL OF REVIEW REQUIREMENT FOR AMMO-**
14 **NIUM PERCHLORATE REPORT.**

15 Section 1694(d) of the National Defense Authoriza-
16 tion Act for Fiscal Year 2018 (Public Law 115–91; 131
17 Stat. 1792) is repealed.

18 **SEC. 1683. REPEAL OF REQUIREMENT FOR COMMISSION ON**
19 **ELECTROMAGNETIC PULSE ATTACKS AND**
20 **SIMILAR EVENTS.**

21 (a) FINDINGS.—Congress finds the following:

22 (1) On March 26, 2019, the President released
23 the “Executive Order on Coordinating National Re-
24 silience to Electromagnetic Pulses”.

1 (2) The Executive Order codifies policy, roles,
2 and responsibilities within the executive branch in
3 order to foster sustainable, efficient, and cost-effec-
4 tive approaches to improving the resilience of the
5 United States to the effects of electromagnetic
6 pulses.

7 (b) REPEAL.—Section 1691 of the National Defense
8 Authorization Act for Fiscal Year 2018 (Public Law 115–
9 91; 131 Stat. 1786) is repealed.

10 **SEC. 1684. CONVENTIONAL PROMPT GLOBAL STRIKE WEAP-**
11 **ON SYSTEM.**

12 (a) SENSE OF CONGRESS.—It is the sense of Con-
13 gress that—

14 (1) the Under Secretary of Defense for Policy
15 has not adequately responded to Congress regarding
16 the miscalculation and ambiguity risks posed by
17 hypersonic weapons, specifically from submarine-
18 launched platforms, including pursuant to the report
19 required by section 1698 of the John S. McCain Na-
20 tional Defense Authorization Act for Fiscal Year
21 2019 (Public Law 115-232; 132 Stat. 2172); and

22 (2) the Secretary of Defense should coordinate
23 technology maturation efforts to develop common
24 technologies for hypersonics, and should leverage de-
25 fense laboratories and university partners to lead

1 foundational hypersonic research in areas the Sec-
2 retary determines appropriate for the Department of
3 Defense.

4 (b) PROHIBITION.—None of the funds authorized to
5 be appropriated by this Act or otherwise made available
6 for fiscal year 2020 for the conventional prompt global
7 strike weapon system may be used for a submarine-
8 launched conventional prompt global strike capability, in-
9 cluding with respect to developing or testing such a capa-
10 bility, unless such capability—

11 (1) is transferrable to a surface-launched plat-
12 form; and

13 (2) is not exclusive to submarines.

14 (c) REPORT.—Not later than 120 days after the date
15 of the enactment of this Act, the Secretary of the Navy
16 shall submit to the congressional defense committees a re-
17 port on the programmatic changes required to integrate
18 the conventional prompt global strike weapon system into
19 the DDG–1000 program or other surface ships.

20 **DIVISION B—MILITARY CON-**
21 **STRUCTION AUTHORIZA-**
22 **TIONS**

23 **SEC. 2001. SHORT TITLE.**

24 This division may be cited as the “Military Construc-
25 tion Authorization Act for Fiscal Year 2020”.

1 **SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND**
2 **AMOUNTS REQUIRED TO BE SPECIFIED BY**
3 **LAW.**

4 (a) EXPIRATION OF AUTHORIZATIONS AFTER FIVE
5 YEARS.—Except as provided in subsection (b), all author-
6 izations contained in titles XXI through XXX (other than
7 title XXVIII) for military construction projects, land ac-
8 quisition, family housing projects and facilities, and con-
9 tributions to the North Atlantic Treaty Organization Se-
10 curity Investment Program (and authorizations of appro-
11 priations therefor) shall expire on the later of—

12 (1) October 1, 2024; or

13 (2) the date of the enactment of an Act author-
14 izing funds for military construction for fiscal year
15 2025.

16 (b) EXCEPTION.—Subsection (a) shall not apply to
17 authorizations for military construction projects, land ac-
18 quisition, family housing projects and facilities, and con-
19 tributions to the North Atlantic Treaty Organization Se-
20 curity Investment Program (and authorizations of appro-
21 priations therefor), for which appropriated funds have
22 been obligated before the later of—

23 (1) October 1, 2024; or

24 (2) the date of the enactment of an Act author-
25 izing funds for fiscal year 2025 for military con-
26 struction projects, land acquisition, family housing

1 projects and facilities, or contributions to the North
 2 Atlantic Treaty Organization Security Investment
 3 Program.

4 **SEC. 2003. EFFECTIVE DATE.**

5 Titles XXI through XXX (other than title XXVIII)
 6 shall take effect on the later of—

7 (1) October 1, 2019; or

8 (2) the date of the enactment of this Act.

9 **TITLE XXI—ARMY MILITARY**
 10 **CONSTRUCTION**

11 **SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND**
 12 **ACQUISITION PROJECTS.**

13 (a) **INSIDE THE UNITED STATES.**—Using amounts
 14 appropriated pursuant to the authorization of appropria-
 15 tions in section 2103(a) and available for military con-
 16 struction projects inside the United States as specified in
 17 the funding table in section 4601, the Secretary of the
 18 Army may acquire real property and carry out military
 19 construction projects for the installations or locations in-
 20 side the United States, and in the amounts, set forth in
 21 the following table:

Army: Inside the United States

State	Installation	Amount
Alabama	Redstone Arsenal	\$38,000,000
Colorado	Fort Carson	\$71,000,000
Georgia	Fort Gordon	\$107,000,000
	Hunter Army Airfield	\$62,000,000
Kentucky	Fort Campbell	\$61,300,000
Kwajalein	Kwajalein Atoll	\$40,000,000
Massachusetts	Natick Soldier Systems Center	\$50,000,000
Michigan	Detroit Arsenal	\$24,000,000

Army: Inside the United States—Continued

State	Installation	Amount
New York	Fort Drum	\$44,000,000
North Carolina	Fort Bragg	\$12,500,000
Oklahoma	Fort Sill	\$73,000,000
Pennsylvania	Carlisle Barracks	\$98,000,000
South Carolina	Fort Jackson	\$88,000,000
Texas	Corpus Christi Army Depot	\$86,000,000
	Fort Hood	\$50,500,000
Virginia	Fort Belvoir	\$60,000,000
	Joint Base Langley-Eustis	\$55,000,000
Washington	Joint Base Lewis-McChord	\$46,000,000

1 (b) OUTSIDE THE UNITED STATES.—Using amounts
2 appropriated pursuant to the authorization of appropria-
3 tions in section 2103(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 Army may acquire real property and carry out the military
7 construction project for the installation or location outside
8 the United States, and in the amount, set forth in the
9 following table:

Army: Outside the United States

Country	Installation	Amount
Honduras	Soto Cano Air Base	\$34,000,000

10 (c) STUDY OF NEAR-TERM FACILITY ALTERNATIVES
11 TO HOUSE HIGH VALUE DETAINEES.—

12 (1) STUDY REQUIRED.—The Secretary of De-
13 fense shall conduct a study of alternatives to meet
14 the near-term facility requirements to safely and hu-
15 manely house high value detainees current detained
16 at Naval Station Guantanamo Bay, Cuba. As part

1 of the study, the Secretary shall consider the fol-
2 lowing alternatives:

3 (A) The construction of new facilities.

4 (B) The repair of current facilities.

5 (C) The renovation and repurposing of
6 other facilities at Naval Station Guantanamo
7 Bay, Cuba.

8 (D) Such other alternatives as the Sec-
9 retary considers practicable.

10 (2) SUBMISSION OF RESULTS.—Not later than
11 90 days after the date of the enactment of this Act,
12 the Secretary of Defense shall submit to the con-
13 gressional defense committees a report containing
14 the results of the study conducted under paragraph
15 (1). The report shall be unclassified, but may in-
16 clude a classified annex.

17 **SEC. 2102. FAMILY HOUSING.**

18 (a) CONSTRUCTION AND ACQUISITION.—Using
19 amounts appropriated pursuant to the authorization of ap-
20 propriations in section 2103(a) and available for military
21 family housing functions as specified in the funding table
22 in section 4601, the Secretary of the Army may construct
23 or acquire family housing units (including land acquisition
24 and supporting facilities) at the installation, and in the
25 amount, set forth in the following table:

Army: Family Housing

State/Country	Installation	Units	Amount
Pennsylvania	Tobyhanna Army Depot	Family Housing Replacement Construction	\$19,000,000

1 (b) **PLANNING AND DESIGN.**—Using amounts appro-
2 priated pursuant to the authorization of appropriations in
3 section 2103(a) and available for military family housing
4 functions as specified in the funding table in section 4601,
5 the Secretary of the Army 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 \$9,222,000.

9 **SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.**

10 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds
11 are hereby authorized to be appropriated for fiscal years
12 beginning after September 30, 2019, for military con-
13 struction, land acquisition, and military family housing
14 functions of the Department of the Army as specified in
15 the funding table in section 4601.

16 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**
17 **PROJECTS.**—Notwithstanding the cost variations author-
18 ized by section 2853 of title 10, United States Code, and
19 any other cost variation authorized by law, the total cost
20 of all projects carried out under section 2101 of this Act
21 may not exceed the total amount authorized to be appro-

1 priated under subsection (a), as specified in the funding
2 table in section 4601.

3 **SEC. 2104. MODIFICATION OF AUTHORITY TO CARRY OUT**
4 **CERTAIN FISCAL YEAR 2019 PROJECTS.**

5 (a) ANNISTON ARMY DEPOT, ALABAMA.—In the case
6 of the authorization contained in the table in section
7 2101(a) of the National Defense Authorization Act for
8 Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2241)
9 for Anniston Army Depot, Alabama, for construction of
10 a weapon maintenance shop, as specified in the funding
11 table in section 4601 of such Act (132 Stat. 2401), the
12 Secretary of the Army may construct a 21,000-square foot
13 weapon maintenance shop.

14 (b) UNITED STATES MILITARY ACADEMY, NEW
15 YORK.—The table in section 2101(a) of the National De-
16 fense Authorization Act for Fiscal Year 2019 (Public Law
17 115–232; 132 Stat. 2241) is amended in the item relating
18 to the United States Military Academy, New York, by
19 striking “\$160,000,000” and inserting “\$197,000,000”
20 for construction of a Consolidated Engineering Center and
21 Parking Structure rather than the separate projects speci-
22 fied in the funding table in section 4601 of such Act (132
23 Stat. 2401).

1 **TITLE XXII—NAVY MILITARY**
 2 **CONSTRUCTION**

3 **SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND**
 4 **ACQUISITION PROJECTS.**

5 (a) INSIDE THE UNITED STATES.—Using amounts
 6 appropriated pursuant to the authorization of appropria-
 7 tions in section 2204(a) and available for military con-
 8 struction projects inside the United States as specified in
 9 the funding table in section 4601, the Secretary of the
 10 Navy may acquire real property and carry out military
 11 construction projects for the installations or locations in-
 12 side the United States, and in the amounts, set forth in
 13 the following table:

Navy: Inside the United States

State	Installation or Location	Amount
Arizona	Marine Corps Air Station Yuma	\$ 189,760,000
California	Camp Pendleton	\$185,569,000
	Marine Corps Air Station Miramar	\$37,400,000
	Naval Air Weapons Station China Lake	\$64,500,000
	Navel Base Coronado	\$165,830,000
	Naval Base San Diego	\$9,900,000
	Naval Weapons Station Seal Beach	\$123,310,000
	Travis Air Force Base	\$64,000,000
Connecticut	Naval Submarine Base New London	\$72,260,000
Florida	Blount Island	\$18,700,000
	Naval Air Station Jacksonville	\$32,420,000
Guam	Joint Region Marianas	\$226,000,000
Hawaii	Marine Corps Air Station Kaneohe Bay	\$134,050,000
	Naval Ammunition Depot West Loch	\$53,790,000
Maryland	Saint Inigoes	\$15,000,000
North Carolina	Camp Lejeune	\$217,440,000
	Marine Corps Air Station Cherry Point	\$114,570,000
	Marine Corps Air Station New River	\$11,320,000
Pennsylvania	Philadelphia	\$66,000,000
South Carolina	Parris Island	\$37,200,000
Virginia	Marine Corps Base Quantico	\$143,350,000
	Naval Station Norfolk	\$128,100,000
	Portsmouth Naval Shipyard	\$48,930,000
	Yorktown Naval Weapons Station	\$59,000,000
Washington	Bremerton	\$51,010,000
	Keyport	\$25,050,000

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 installations or locations 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
Japan	Fleet Activities Yokosuka	\$174,692,000
	Marine Corps Air Station Iwakuni	\$15,870,000

10 **SEC. 2202. FAMILY HOUSING.**

11 Using amounts appropriated pursuant to the author-
 12 ization of appropriations in section 2204(a) and available
 13 for military family housing functions as specified in the
 14 funding table in section 4601, the Secretary of the Navy
 15 may carry out architectural and engineering services and
 16 construction design activities with respect to the construc-
 17 tion or improvement of family housing units in an amount
 18 not to exceed \$5,863,000.

19 **SEC. 2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING**
 20 **UNITS.**

21 Subject to section 2825 of title 10, United States
 22 Code, and using amounts appropriated pursuant to the

1 authorization of appropriations in section 2204(a) and
2 available for military family housing functions as specified
3 in the funding table in section 4601, the Secretary of the
4 Navy may improve existing military family housing units
5 in an amount not to exceed \$41,798,000.

6 **SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.**

7 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds
8 are hereby authorized to be appropriated for fiscal years
9 beginning after September 30, 2019, for military con-
10 struction, land acquisition, and military family housing
11 functions of the Department of the Navy, as specified in
12 the funding table in section 4601.

13 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION
14 PROJECTS.—Notwithstanding the cost variations author-
15 ized by section 2853 of title 10, United States Code, and
16 any other cost variation authorized by law, the total cost
17 of all projects carried out under section 2201 of this Act
18 may not exceed the total amount authorized to be appro-
19 priated under subsection (a), as specified in the funding
20 table in section 4601.

21 **SEC. 2205. MODIFICATION OF AUTHORITY TO CARRY OUT**
22 **CERTAIN FISCAL YEAR 2017 PROJECT.**

23 The table in section 2201(a) of the National Defense
24 Authorization Act for Fiscal Year 2017 (Public Law 114–
25 328; 130 Stat. 2691) is amended in the item relating to

1 Bangor, Washington, by striking “\$113,415,000” and in-
 2 serting “\$161,415,000” for construction of a SEAWOLF
 3 Class Service Pier, as specified in the funding table in sec-
 4 tion 4601 of such Act (130 Stat. 2876).

5 **TITLE XXIII—AIR FORCE**
 6 **MILITARY CONSTRUCTION**

7 **SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND**
 8 **LAND ACQUISITION PROJECTS.**

9 (a) INSIDE THE UNITED STATES.—Using amounts
 10 appropriated pursuant to the authorization of appropria-
 11 tions in section 2304(a) and available for military con-
 12 struction projects inside the United States as specified in
 13 the funding table in section 4601, the Secretary of the
 14 Air Force may acquire real property and carry out mili-
 15 tary construction projects for the installations or locations
 16 inside the United States, and in the amounts, set forth
 17 in the following table:

Air Force: Inside the United States

State	Installation or Location	Amount
Alaska	Eielson Air Force Base	\$8,600,000
Arkansas	Little Rock Air Force Base	\$47,000,000
California	Travis Air Force Base	\$43,100,000
Colorado	Peterson Air Force Base	\$54,000,000
	Schriever Air Force Base	\$148,000,000
	United States Air Force Acad- emy	\$49,000,000
Georgia	Moody Air Force Base	\$12,500,000
Guam	Joint Region Marianas	\$65,000,000
Illinois	Scott Air Force Base	\$100,000,000
Mariana Islands	Tinian	\$316,000,000
Missouri	Whiteman Air Force Base	\$27,000,000
Montana	Malmstrom Air Force Base	\$235,000,000
Nevada	Nellis Air Force Base	\$65,200,000
New Mexico	Holloman Air Force Base	\$20,000,000
	Kirtland Air Force Base	\$37,900,000
Texas	Joint Base San Antonio	\$207,300,000

Air Force: Inside the United States—Continued

State	Installation or Location	Amount
	Joint Base San Antonio-Randolph	\$36,000,000
Utah	Hill Air Force Base	\$114,500,000
Washington	Fairechild-White Bluff	\$31,000,000

1 (b) OUTSIDE THE UNITED STATES.—Using amounts
2 appropriated pursuant to the authorization of appropria-
3 tions in section 2304(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 Air Force may acquire real property and carry out mili-
7 tary construction projects for the installations or locations
8 outside the United States, and in the amounts, set forth
9 in the following table:

Air Force: Outside the United States

Country	Installation or Location	Amount
Australia	Tindal	\$70,600,000
Cyprus	Royal Air Force Akrotiri	\$27,000,000
Japan	Yokota Air Base	\$12,400,000
United Kingdom	Royal Air Force Lakenheath ..	\$14,300,000

10 **SEC. 2302. FAMILY HOUSING.**

11 (a) CONSTRUCTION AND ACQUISITION.—Using
12 amounts appropriated pursuant to the authorization of ap-
13 propriations in section 2304(a) and available for military
14 family housing functions as specified in the funding table
15 in section 4601, the Secretary of the Air Force may con-
16 struct or acquire family housing units (including land ac-
17 quisition and supporting facilities) at the installation, and
18 in the amount, set forth in the following table:

Air Force: Family Housing

Country	Installation	Units	Amount
Germany	Spangdahlem Air Base	Family Housing Construction	\$53,584,000

1 (b) **PLANNING AND DESIGN.**—Using amounts appro-
2 priated pursuant to the authorization of appropriations in
3 section 2304(a) and available for military family housing
4 functions as specified in the funding table in section 4601,
5 the Secretary of the Air Force may carry out architectural
6 and 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 \$3,409,000.

9 **SEC. 2303. 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 2304(a) and
14 available for military family housing functions as specified
15 in the funding table in section 4601, the Secretary of the
16 Air Force may improve existing military family housing
17 units in an amount not to exceed \$53,584,000.

18 **SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR**
19 **FORCE.**

20 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds
21 are hereby authorized to be appropriated for fiscal years
22 beginning after September 30, 2019, for military con-

1 construction, land acquisition, and military family housing
2 functions of the Department of the Air Force, as specified
3 in the funding table in section 4601.

4 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**
5 **PROJECTS.**—Notwithstanding the cost variations author-
6 ized by section 2853 of title 10, United States Code, and
7 any other cost variation authorized by law, the total cost
8 of all projects carried out under section 2301 of this Act
9 may not exceed the total amount authorized to be appro-
10 priated under subsection (a), as specified in the funding
11 table in section 4601.

12 **SEC. 2305. MODIFICATION OF AUTHORITIES TO CARRY OUT**
13 **PHASED JOINT INTELLIGENCE ANALYSIS**
14 **COMPLEX CONSOLIDATION.**

15 (a) **FISCAL YEAR 2015 PROJECT AUTHORITY.**—In
16 the case of the authorization contained in the table in sec-
17 tion 2301(b) of the National Defense Authorization Act
18 for Fiscal Year 2015 (Public Law 113–291; 128 Stat.
19 3679) for Royal Air Force Croughton, United Kingdom,
20 for Phase 1 of the Joint Intelligence Analysis Complex
21 consolidation, as specified in the funding table in section
22 4601 of such Act (128 Stat. 3973), the Secretary of the
23 Air Force shall carry out the construction at Royal Air
24 Force Molesworth, United Kingdom.

1 (b) FISCAL YEAR 2016 PROJECT AUTHORITY.—In
2 the case of the authorization contained in the table in sec-
3 tion 2301(b) of the National Defense Authorization Act
4 for Fiscal Year 2016 (Public Law 114–92; 129 Stat.
5 1153), for Royal Air Force Croughton, United Kingdom,
6 for Phase 2 of the Joint Intelligence Analysis Complex
7 consolidation, as specified in the funding table in section
8 4601 of such Act (129 Stat. 1294), the Secretary of the
9 Air Force may construct a 5,152-square meter Intelligence
10 Analytic Center, a 5,234-square meter Intelligence Fusion
11 Center, and a 807-square meter Battlefield Information
12 Collection and Exploitation System Center at Royal Air
13 Force Molesworth, United Kingdom.

14 (c) FISCAL YEAR 2017 PROJECT AUTHORITY.—In
15 the case of the authorization contained in the table in sec-
16 tion 2301(b) of the National Defense Authorization Act
17 for Fiscal Year 2017 (Public Law 114–328; 130 Stat.
18 2697), for Royal Air Force Croughton, United Kingdom,
19 for Phase 3 of the Joint Intelligence Analysis Complex
20 consolidation, as specified in the funding table in section
21 4601 of such Act (130 Stat. 2878), the Secretary of the
22 Air Force may construct a 1,562-square meter Regional
23 Joint Intelligence Training Facility and a 4,495-square
24 meter Combatant Command Intelligence Facility at Royal
25 Air Force Molesworth, United Kingdom.

1 (d) CONFORMING REPEAL.—Section 2305 of the Na-
2 tional Defense Authorization Act for Fiscal Year 2019
3 (Public Law 115–232; 132 Stat. 2247) is repealed.

4 **SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT**
5 **CERTAIN FISCAL YEAR 2016 PROJECT.**

6 The table in section 2301(a) of the National Defense
7 Authorization Act for Fiscal Year 2016 (Public Law 114–
8 92; 129 Stat. 1152) is amended in the item relating to
9 Nellis Air Force Base, Nevada, by striking “\$68,950,000”
10 and inserting “\$72,050,000” for construction of F-35A
11 Munitions Maintenance Facilities, as specified in the fund-
12 ing table in section 4601 of such Act (129 Stat. 1293).

13 **SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT**
14 **CERTAIN FISCAL YEAR 2017 PROJECT.**

15 The table in section 2301(a) of the National Defense
16 Authorization Act for Fiscal Year 2017 (Public Law 114–
17 328; 130 Stat. 2696) is amended in the item relating to
18 Fairchild Air Force Base, Washington, by striking
19 “\$27,000,000” and inserting “\$31,800,000” for construc-
20 tion of a SERE School Pipeline Dormitory, as specified
21 in the funding table in section 4601 of such Act (130 Stat.
22 2878).

1 **SEC. 2308. MODIFICATION OF AUTHORITY TO CARRY OUT**
2 **CERTAIN FISCAL YEAR 2018 PROJECTS.**

3 (a) LITTLE ROCK AIR FORCE BASE, ARKANSAS.—
4 The table in section 2301(a) of the National Defense Au-
5 thorization Act for Fiscal Year 2018 (Public Law 115–
6 91; 131 Stat. 1825) is amended in the item relating to
7 Little Rock Air Force Base, Arkansas, by striking
8 “\$20,000,000” and inserting “\$27,000,000” for construc-
9 tion of a dormitory facility, as specified in the funding
10 table in section 4601 of such Act (131 Stat. 2002).

11 (b) JOINT BASE SAN ANTONIO, TEXAS.—In the case
12 of the authorization contained in the table in section
13 2301(a) of the National Defense Authorization Act for
14 Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1826)
15 for Joint Base San Antonio, Texas, the Secretary of the
16 Air Force may construct—

17 (1) a 750-square meter equipment building for
18 construction of a Classrooms/Dining Facility, as
19 specified in the funding table in section 4601 of such
20 Act (131 Stat. 2003); and

21 (2) a 636-square meter air traffic control tower
22 for construction of an Air Traffic Control Tower, as
23 specified in the funding table in section 4601 of such
24 Act (131 Stat. 2003).

25 (c) F.E. WARREN AIR FORCE BASE, WYOMING.—
26 The table in section 2301(a) of the National Defense Au-

1 thORIZATION Act for Fiscal Year 2018 (Public Law 115–
2 91; 131 Stat. 1825) is amended in the item relating to
3 F.E. Warren Air Force Base, Wyoming, by striking
4 “\$62,000,000” and inserting “\$80,100,000” for construc-
5 tion of a Consolidated Helo/TRF Ops/AMU and Alert Fa-
6 cility, as specified in the funding table in section 4601 of
7 such Act (131 Stat. 2004).

8 (d) RYGGE AIR STATION, NORWAY.—In the case of
9 the authorization contained in the table in section 2903
10 of the National Defense Authorization Act for Fiscal Year
11 2018 (Public Law 115–91; 131 Stat. 1876) for Rygge Air
12 Station, Norway, for replacement/expansion of a Quick
13 Reaction Alert Pad, as specified in the funding table in
14 section 4602 of such Act (131 Stat. 2014), the Secretary
15 of the Air Force may construct 1,327 square meters of
16 aircraft shelter and a 404-square meter fire protection
17 support building.

18 (e) INCIRLIK AIR BASE, TURKEY.—In the case of the
19 authorization contained in the table in section 2903 of the
20 National Defense Authorization Act for Fiscal Year 2018
21 (Public Law 115–91; 131 Stat. 1876) for Incirlik Air
22 Base, Turkey, for Relocating Base Main Access Control
23 Point, as specified in the funding table in section 4602
24 of such Act (131 Stat. 2015), the Secretary of the Air

1 Force may construct a 176-square meter pedestrian
2 search building.

3 **SEC. 2309. MODIFICATION OF AUTHORITY TO CARRY OUT**
4 **CERTAIN FISCAL YEAR 2019 PROJECTS.**

5 (a) HANSCOM AIR FORCE BASE, MASSACHUSETTS.—
6 In the case of the authorization contained in the table in
7 section 2301(a) of the National Defense Authorization Act
8 for Fiscal Year 2019 (Public Law 115–232; 132 Stat.
9 2246) for Hanscom Air Force Base, Massachusetts, for
10 the construction of a semi-conductor/microelectronics lab-
11 oratory facility, as specified in the funding table in section
12 4601 of such Act (132 Stat. 2405), the Secretary of the
13 Air Force may construct a 1,000 kilowatt stand-by gener-
14 ator.

15 (b) MINOT AIR FORCE BASE, NORTH DAKOTA.—The
16 table in section 2301(a) of the National Defense Author-
17 ization Act for Fiscal Year 2019 (Public Law 115–232;
18 132 Stat. 2246) is amended in the item relating to Minot
19 Air Force Base, North Dakota, by striking “\$66,000,000”
20 and inserting “\$71,500,000” for construction of a Con-
21 solidated Helo/TRF Ops/AMU and Alert Facility, as spec-
22 ified in the funding table in section 4601 of such Act (132
23 Stat. 2405).

24 (c) ROYAL AIR FORCE LAKENHEATH, UNITED KING-
25 DOM.—In the case of the authorization contained in the

1 table in section 2301(b) of the National Defense Author-
 2 ization Act for Fiscal Year 2019 (Public Law 115–232;
 3 132 Stat. 2247) for Royal Air Force Lakenheath, United
 4 Kingdom, for the construction of an F–35A Dormitory,
 5 as specified in the funding table in section 4601 of such
 6 Act (132 Stat. 2405), the Secretary of the Air Force may
 7 construct a 5,900-square meter dormitory.

8 **TITLE XXIV—DEFENSE AGEN-**
 9 **CIES MILITARY CONSTRU-**
 10 **CTION**

11 **SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUC-**
 12 **TION AND LAND ACQUISITION PROJECTS.**

13 (a) **INSIDE THE UNITED STATES.**—Using amounts
 14 appropriated pursuant to the authorization of appropria-
 15 tions in section 2403(a) and available for military con-
 16 struction projects inside the United States as specified in
 17 the funding table in section 4601, the Secretary of De-
 18 fense may acquire real property and carry out military
 19 construction projects for the installations or locations in-
 20 side the United States, and in the amounts, set forth in
 21 the following table:

Defense Agencies: Inside the United States

State	Installation or Location	Amount
California	Beale Air Force Base	\$33,700,000
	Camp Pendleton	\$17,700,000
Florida	Eglin Air Force Base	\$16,500,000
	Hurlburt Field	\$108,386,000
	Naval Air Station Key West	\$16,000,000
Guam	Joint Region Marianas	\$19,200,000
Hawaii	Joint Base Pearl Harbor-Hickam	\$67,700,000
Maryland	Fort Detrick	\$27,846,000

Defense Agencies: Inside the United States—Continued

State	Installation or Location	Amount
Mississippi	Columbus Air Force Base	\$16,800,000
North Carolina	Camp Lejeune	\$13,400,000
	Fort Bragg	\$84,103,000
Oklahoma	Tulsa International Airport	\$18,900,000
Rhode Island	Quonset State Airport	\$11,600,000
South Carolina	Joint Base Charleston	\$33,300,000
South Dakota	Ellsworth Air Force Base	\$24,800,000
Virginia	Defense Distribution Depot Richmond ...	\$98,800,000
	Joint Expeditionary Base Little Creek - Fort Story	\$45,604,000
	Pentagon	\$28,802,000
	Training Center Dam Neck	\$12,770,000
Washington	Joint Base Lewis-McChord	\$47,700,000
Wisconsin	General Mitchell International Airport ...	\$25,900,000
CONUS Classified	Classified Location	\$82,200,000

1 (b) OUTSIDE THE UNITED STATES.—Using amounts
 2 appropriated pursuant to the authorization of appropria-
 3 tions in section 2403(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 De-
 6 fense may acquire real property and carry out military
 7 construction projects for the installations or locations out-
 8 side the United States, and in the amounts, set forth in
 9 the following table:

Defense Agencies: Outside the United States

Country	Installation or Location	Amount
Germany	Geilenkirchen Air Base	\$30,479,000
Japan	Yokota Air Base	\$136,411,000

10 **SEC. 2402. AUTHORIZED ENERGY RESILIENCY AND ENERGY**
 11 **CONSERVATION PROJECTS.**

12 Using amounts appropriated pursuant to the author-
 13 ization of appropriations in section 2403(a), the Secretary
 14 of Defense may carry out energy resiliency and energy
 15 conservation projects under chapter 173 of title 10,

1 United States Code, as specified in the funding table in
2 section 4601.

3 **SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DE-**
4 **FENSE AGENCIES.**

5 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds
6 are hereby authorized to be appropriated for fiscal years
7 beginning after September 30, 2019, for military con-
8 struction, land acquisition, and military family housing
9 functions of the Department of Defense (other than the
10 military departments), as specified in the funding table
11 in section 4601.

12 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION
13 PROJECTS.—Notwithstanding the cost variations author-
14 ized by section 2853 of title 10, United States Code, and
15 any other cost variation authorized by law, the total cost
16 of all projects carried out under section 2401 of this Act
17 may not exceed the total amount authorized to be appro-
18 priated under subsection (a), as specified in the funding
19 table in section 4601.

1 **TITLE XXV—INTERNATIONAL**
2 **PROGRAMS**
3 **Subtitle A—North Atlantic Treaty**
4 **Organization Security Invest-**
5 **ment Program**

6 **SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND**
7 **ACQUISITION PROJECTS.**

8 The Secretary of Defense may make contributions for
9 the North Atlantic Treaty Organization Security Invest-
10 ment Program as provided in section 2806 of title 10,
11 United States Code, in an amount not to exceed the sum
12 of the amount authorized to be appropriated for this pur-
13 pose in section 2502 and the amount collected from the
14 North Atlantic Treaty Organization as a result of con-
15 struction previously financed by the United States.

16 **SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.**

17 (a) AUTHORIZATION.—Funds are hereby authorized
18 to be appropriated for fiscal years beginning after Sep-
19 tember 30, 2019, for contributions by the Secretary of De-
20 fense under section 2806 of title 10, United States Code,
21 for the share of the United States of the cost of projects
22 for the North Atlantic Treaty Organization Security In-
23 vestment Program authorized by section 2501 as specified
24 in the funding table in section 4601.

(b) AUTHORITY TO RECOGNIZE NATO AUTHORIZATION AMOUNTS AS BUDGETARY RESOURCES FOR PROJECT EXECUTION.—When the United States is designated as the Host Nation for the purposes of executing a project under the NATO Security Investment Program (NSIP), the Department of Defense construction agent may recognize the NATO project authorization amounts as budgetary resources to incur obligations for the purposes of executing the NSIP project.

Subtitle B—Host Country In-Kind Contributions

SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations in the Republic of Korea, and in the amounts, set forth in the following table:

Republic of Korea Funded Construction Projects

Component	Installation or Location	Project	Amount
Army	Camp Carroll	Army Prepositioned Stock-4 Wheeled Vehicle Maintenance Facility	\$51,000,000
Army	Camp Humphreys	Unaccompanied Enlisted Personnel Housing, P1	\$154,000,000
Army	Camp Humphreys	Unaccompanied Enlisted Personnel Housing, P2	\$211,000,000
Army	Camp Humphreys	Satellite Communications Facility	\$32,000,000
Air Force ...	Gwangju Air Base	Hydrant Fuel System	\$35,000,000
Air Force ...	Kunsan Air Base	Upgrade Electrical Distribution System	\$14,200,000

Republic of Korea Funded Construction Projects—Continued

Component	Installation or Location	Project	Amount
Air Force ...	Kunsan Air Base	Dining Facility	\$21,000,000
Air Force ...	Suwon Air Base	Hydrant Fuel System	\$24,000,000

1 **TITLE XXVI—GUARD AND**
 2 **RESERVE FORCES FACILITIES**
 3 **SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CON-**
 4 **STRUCTION AND LAND ACQUISITION**
 5 **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 Army may
 10 acquire real property and carry out military construction
 11 projects for the Army National Guard locations inside the
 12 United States, and in the amounts, set forth in the fol-
 13 lowing table:

Army National Guard

State	Location	Amount
Alabama	Anniston Army Depot	\$34,000,000
	Foley	\$12,000,000
California	Camp Roberts	\$12,000,000
Idaho	Orchard Combat Training Center	\$29,000,000
Maryland	Havre De Grace	\$12,000,000
Massachusetts	Camp Edwards	\$9,700,000
Minnesota	New Ulm	\$11,200,000
Mississippi	Camp Shelby	\$8,100,000
Missouri	Springfield	\$12,000,000
Nebraska	Bellevue	\$29,000,000
New Hampshire	Concord	\$5,950,000
New York	Jamaica Armory	\$91,000,000
Pennsylvania	Moon Township	\$23,000,000
Vermont	Jericho	\$30,000,000
Washington	Richland	\$11,400,000

1 **SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION**
 2 **AND LAND ACQUISITION PROJECTS.**

3 Using amounts appropriated pursuant to the author-
 4 ization of appropriations in section 2606 and available for
 5 the National Guard and Reserve as specified in the fund-
 6 ing table in section 4601, the Secretary of the Army may
 7 acquire real property and carry out military construction
 8 projects for the Army Reserve locations inside the United
 9 States, and in the amounts, set forth in the following
 10 table:

Army Reserve

State	Location	Amount
Delaware	Newark Army Reserve Center	\$21,000,000
Wisconsin	Fort McCoy	\$25,000,000

11 **SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE**
 12 **CORPS RESERVE CONSTRUCTION AND LAND**
 13 **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 Navy may
 18 acquire real property and carry out military construction
 19 projects for the Navy Reserve and Marine Corps Reserve
 20 locations inside the United States, and in the amounts,
 21 set forth in the following table:

Navy Reserve and Marine Corps Reserve

State	Location	Amount
Louisiana	New Orleans	\$25,260,000

1 **SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUC-**
2 **TION AND LAND ACQUISITION PROJECTS.**

3 Using amounts appropriated pursuant to the author-
4 ization of appropriations in section 2606 and available for
5 the National Guard and Reserve as specified in the fund-
6 ing table in section 4601, the Secretary of the Air Force
7 may acquire real property and carry out military construc-
8 tion projects for the Air National Guard locations inside
9 the United States, and in the amounts, set forth in the
10 following table:

Air National Guard

State	Location	Amount
California	Moffett Air National Guard Base	\$57,000,000
Georgia	Savannah/Hilton Head International Airport	\$24,000,000
Missouri	Rosecrans Memorial Airport	\$9,500,000
Puerto Rico	Luis Munoz-Marin International Airport	\$50,000,000
Wisconsin	Truax Field	\$34,000,000

11 **SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUC-**
12 **TION AND LAND ACQUISITION PROJECTS.**

13 Using amounts appropriated pursuant to the author-
14 ization of appropriations in section 2606 and available for
15 the National Guard and Reserve as specified in the fund-
16 ing table in section 4601, the Secretary of the Air Force
17 may acquire real property and carry out military construc-
18 tion projects for the Air Force Reserve locations inside

1 the United States, and in the amounts, set forth in the
2 following table:

Air Force Reserve

State	Location	Amount
Georgia	Robins Air Force Base	\$43,000,000
Maryland	Joint Base Andrews	\$15,000,000
Minnesota	Minneapolis-St. Paul IAP	\$9,800,000

3 **SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NA-**
4 **TIONAL GUARD AND RESERVE.**

5 Funds are hereby authorized to be appropriated for
6 fiscal years beginning after September 30, 2019, for the
7 costs of acquisition, architectural and engineering services,
8 and construction of facilities for the Guard and Reserve
9 Forces, and for contributions therefor, under chapter
10 1803 of title 10, United States Code (including the cost
11 of acquisition of land for those facilities), as specified in
12 the funding table in section 4601.

13 **TITLE XXVII—BASE REALIGN-**
14 **MENT AND CLOSURE ACTIVI-**
15 **TIES**

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, 2019, 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 **TITLE XXVIII—MILITARY CON-**
11 **STRUCTION GENERAL PROVI-**
12 **SIONS**

13 **Subtitle A—Military Construction**
14 **Program Changes**

15 **SEC. 2801. PROHIBITION ON USE OF MILITARY CONSTRUC-**
16 **TION FUNDS FOR CONSTRUCTION OF A WALL,**
17 **FENCE, OR OTHER PHYSICAL BARRIER**
18 **ALONG THE SOUTHERN BORDER OF THE**
19 **UNITED STATES.**

20 (a) PROHIBITION.—Military construction funds may
21 not be obligated, expended, or otherwise used to design
22 or carry out a project to construct, replace, or modify a
23 wall, fence, or other physical barrier along the inter-
24 national border between the United States and Mexico.

25 (b) DEFINITIONS.—In this section:

1 (1) MILITARY CONSTRUCTION FUNDS.—The
2 term “military construction funds” means—

3 (A) amounts authorized to be appropriated
4 for a military construction project authorized in
5 this division or authorized in any Military Con-
6 struction Authorization Act for any of fiscal
7 years 2015 through 2019, including any
8 amounts of such an authorization made avail-
9 able to the Department of Defense and trans-
10 ferred to another authorization by the Secretary
11 of Defense pursuant to transfer authority avail-
12 able to the Secretary; and

13 (B) funds appropriated in any Act for a
14 military construction project described in sub-
15 paragraph (A).

16 (2) MILITARY CONSTRUCTION PROJECT.—The
17 term “military construction project” has the mean-
18 ing given that term in section 2801 of title 10,
19 United States Code.

1 **SEC. 2802. MODIFICATION AND CLARIFICATION OF CON-**
2 **STRUCTION AUTHORITY IN THE EVENT OF A**
3 **DECLARATION OF WAR OR NATIONAL EMER-**
4 **GENCY.**

5 (a) LIMITATION ON AMOUNT OF FUNDS AVAILABLE
6 FOR NATIONAL EMERGENCY.—Section 2808 of title 10,
7 United States Code, is amended—

8 (1) by redesignating subsections (b) and (c) as
9 subsections (e) and (f), respectively; and

10 (2) by inserting after subsection (a) the fol-
11 lowing new subsection:

12 “(c) LIMITATION ON AMOUNT OF FUNDS AVAILABLE
13 FOR NATIONAL EMERGENCY.—(1) Except as provided in
14 paragraph (2), in the event of a declaration by the Presi-
15 dent of a national emergency in which the construction
16 authority described in subsection (a) is used, the total cost
17 of all military construction projects undertaken using that
18 authority during the national emergency may not exceed
19 \$500,000,000.

20 “(2) In the event of a national emergency declaration
21 in which the construction authority described in subsection
22 (a) will be used only within the United States, the total
23 cost of all military construction projects undertaken using
24 that authority during the national emergency may not ex-
25 ceed \$100,000,000.”.

1 (b) ADDITIONAL CONDITION ON SOURCE OF
2 FUNDS.—Section 2808(a) of title 10, United States Code,
3 is amended—

4 (1) in the second sentence—

5 (A) by striking “Such projects may” and
6 inserting the following:

7 “(b) CONDITIONS ON SOURCE OF FUNDS.—(1) Mili-
8 tary construction projects to be undertaken using the con-
9 struction authority described in subsection (a) may”; and

10 (B) by inserting before the period at the
11 end of the sentence the following: “and that the
12 Secretary of Defense determines are otherwise
13 unexecutable”; and

14 (2) by adding after the second sentence the fol-
15 lowing:

16 “(2) For purposes of paragraph (1), the Secretary
17 may determine that funds appropriated for military con-
18 struction are unexecutable if—

19 “(A) a military construction project for which
20 the funds were appropriated has been cancelled, for
21 a reason other than to provide funds to carry out
22 military construction under this section; or

23 “(B) the cost of a military construction project
24 for which the funds were appropriated has been re-
25 duced because of project modifications or other cost

1 savings, for a reason other than to provide funds to
2 carry out military construction under this section.”.

3 (c) WAIVER OF OTHER PROVISIONS OF LAW.—Sec-
4 tion 2808 of title 10, United States Code, is amended by
5 inserting after subsection (c), as added by subsection (a),
6 the following new subsection:

7 “(d) WAIVER OF OTHER PROVISIONS OF LAW IN
8 EVENT OF NATIONAL EMERGENCY.—In the event of a
9 declaration by the President of a national emergency in
10 which the construction authority described in subsection
11 (a) is used, the authority provided by such subsection to
12 waive or disregard another provision of law that would
13 otherwise apply to a military construction project author-
14 ized by this section may be used only if—

15 “(1) such other provision of law does not pro-
16 vide a means by which compliance with the require-
17 ments of the law may be waived, modified, or expe-
18 dited; and

19 “(2) the Secretary of Defense determines that
20 the nature of the national emergency necessitates
21 the noncompliance with the requirements of the
22 law.”.

23 (d) ADDITIONAL NOTIFICATION REQUIREMENTS.—
24 Subsection (e) of section 2808 of title 10, United States
25 Code, as redesignated by subsection (a)(1), is amended—

1 (1) by striking “of the decision” and all that
2 follows through the end of the subsection and insert-
3 ing the following: “of the following:

4 “(A) The reasons for the decision to use the
5 construction authority described in subsection (a),
6 including, in the event of a declaration by the Presi-
7 dent of a national emergency, the reasons why use
8 of the armed forces is required in response to the
9 declared national emergency.

10 “(B) The construction projects to be under-
11 taken using the construction authority described in
12 subsection (a), including, in the event of a declara-
13 tion by the President of a national emergency, an
14 explanation of how each construction project directly
15 supports the immediate security, logistical, or short-
16 term housing and ancillary supporting facility needs
17 of the members of the armed forces used in the na-
18 tional emergency.

19 “(C) The estimated cost of the construction
20 projects to be undertaken using the construction au-
21 thority described in subsection (a), including the
22 cost of any real estate action pertaining to the con-
23 struction projects, and certification of compliance
24 with the funding conditions imposed by subsections
25 (b) and (c).

1 “(D) Any determination made pursuant to sub-
2 section (d)(2) to waive or disregard another provi-
3 sion of law to undertake any construction project
4 using the construction authority described in sub-
5 section (a).

6 “(E) The military construction projects, includ-
7 ing any military family housing and ancillary sup-
8 porting facility projects, to be canceled or deferred
9 in order to provide funds to undertake construction
10 projects using the construction authority described
11 in subsection (a) and the possible impact of the can-
12 cellation or deferment of such military construction
13 projects on military readiness and the quality of life
14 of members of the armed forces and their depend-
15 ents.”; and

16 (2) by adding at the end the following new
17 paragraph:

18 “(2) In the event of a declaration by the President
19 of a national emergency in which the construction author-
20 ity described in subsection (a) is used, a construction
21 project to be undertaken using such construction authority
22 may be carried out only after the end of the five-day pe-
23 riod beginning on the date the notification required by
24 paragraph (1) is received by the appropriate committees
25 of Congress.”.

1 (e) CLERICAL AMENDMENTS.—Section 2808 of title
2 10, United States Code, is further amended—

3 (1) in subsection (a), by inserting “CONSTRUC-
4 TION AUTHORIZED.—” after “(a)”;

5 (2) in subsection (e), as redesignated by sub-
6 section (a)(1), by inserting “NOTIFICATION RE-
7 QUIREMENT.—(1)” after “(e)”; and

8 (3) in subsection (f), as redesignated by sub-
9 section (a)(1), by inserting “TERMINATION OF AU-
10 THORITY.—” after “(f)”.

11 **SEC. 2803. INCLUSION OF INFORMATION REGARDING MILI-
12 TARY INSTALLATION RESILIENCE IN MASTER
13 PLANS FOR MAJOR MILITARY INSTALLA-
14 TIONS.**

15 (a) MILITARY INSTALLATION RESILIENCE.—Section
16 2864 of title 10, United States Code, is amended—

17 (1) in subsection (a)(1), by inserting “military
18 installation resilience,” after “master planning,”;

19 (2) by redesignating subsections (c) and (d) as
20 subsections (e) and (f), respectively; and

21 (3) by inserting after subsection (b) the fol-
22 lowing new subsection:

23 “(c) MILITARY INSTALLATION RESILIENCE COMPO-
24 NENT.—To address military installation resilience under

1 subsection (a)(1), each installation master plan shall dis-
2 cuss the following:

3 “(1) Risks and threats to military installation
4 resilience that exist at the time of the development
5 of the plan and that are projected for the future, in-
6 cluding from extreme weather events, mean sea level
7 fluctuation, wildfires, flooding, and other changes in
8 environmental conditions.

9 “(2) Assets or infrastructure located on the
10 military installation vulnerable to the risks and
11 threats described in paragraph (1), with a special
12 emphasis on assets or infrastructure critical to the
13 mission of the installation and the mission of mem-
14 bers of the armed forces.

15 “(3) Lessons learned from the impacts of ex-
16 treme weather events, including changes made to the
17 military installation to address such impacts, since
18 the prior master plan developed under this section.

19 “(4) Ongoing or planned infrastructure projects
20 or other measures, as of the time of the development
21 of the plan, to mitigate the impacts of the risks and
22 threats described in paragraph (1).

23 “(5) Community infrastructure and resources
24 located outside the installation (such as medical fa-

1 facilities, transportation systems, and energy infra-
2 structure) that are—

3 “(A) necessary to maintain mission capa-
4 bility or that impact the resilience of the mili-
5 tary installation; and

6 “(B) vulnerable to the risks and threats
7 described in paragraph (1).

8 “(6) Agreements in effect or planned, as of the
9 time of the development of the plan, with public or
10 private entities for the purpose of maintaining or en-
11 hancing military installation resilience or resilience
12 of the community infrastructure and resources de-
13 scribed in paragraph (5).

14 “(7) Projections from recognized governmental
15 and scientific entities such as the Census Bureau,
16 the National Academies of Sciences, the United
17 States Geological Survey, and the United States
18 Global Change Research Office (or any similar suc-
19 cessor entities) with respect to future risks and
20 threats (including the risks and threats described in
21 paragraph (1)) to the resilience of any project con-
22 sidered in the installation master plan during the
23 50-year lifespan of the installation.”.

24 (b) REPORT ON MASTER PLANS.—Section 2864 of
25 title 10, United States Code, is amended by inserting after

1 subsection (c), as added by subsection (a), the following
2 new subsection:

3 “(d) REPORT.—Not later than March 1 of each year,
4 the Secretary of Defense shall submit to the congressional
5 defense committees a report listing all master plans com-
6 pleted pursuant to this section in the prior calendar
7 year.”.

8 **SEC. 2804. IMPROVED CONSULTATION WITH TRIBAL GOV-**
9 **ERNMENTS WHEN PROPOSED MILITARY CON-**
10 **STRUCTION PROJECTS POTENTIALLY IM-**
11 **PACT INDIAN TRIBES.**

12 Section 2802 of title 10, United States Code, is
13 amended by adding at the end the following new sub-
14 section:

15 “(f)(1) If a proposed military construction project
16 has the potential to significantly affect tribal lands, sacred
17 sites, or tribal treaty rights, the Secretary concerned shall
18 initiate consultation with the tribal government of each
19 impacted Indian tribe—

20 “(A) to determine the nature, extent, and esti-
21 mated costs of the adverse impacts;

22 “(B) to determine whether the adverse impacts
23 can be avoided or mitigated in the design and imple-
24 mentation of the project; and

1 “(C) if the adverse impacts cannot be avoided,
2 to develop feasible measures to mitigate the impacts
3 and estimate the cost of the mitigation measures.

4 “(2) As part of the Department of Defense Form
5 1391 submitted to the appropriate committees of Congress
6 for a military construction project covered by paragraph
7 (1), the Secretary concerned shall include a description of
8 the current status of the consultation conducted under
9 such paragraph and specifically address each of the items
10 specified in subparagraphs (A), (B), and (C) of such para-
11 graph.

12 “(3) In this subsection:

13 “(A) The term ‘Indian tribe’ has the meaning
14 given that term in section 4 of the Indian Self-De-
15 termination and Education Assistance Act (25
16 U.S.C. 5304).

17 “(B) The term ‘tribal government’ means the
18 recognized governing body of an Indian tribe.

19 “(C) The term ‘sacred site’ has the meaning
20 given that term in Executive Order 13007, as in ef-
21 fect on the date of the enactment of the National
22 Defense Authorization Act for Fiscal Year 2020.”.

1 **SEC. 2805. AMENDMENT OF UNIFIED FACILITIES CRITERIA**
2 **TO PROMOTE MILITARY INSTALLATION RE-**
3 **SILIENCE, ENERGY RESILIENCE, ENERGY**
4 **AND CLIMATE RESILIENCY, AND CYBER RE-**
5 **SILIENCE.**

6 (a) AMENDMENT REQUIRED.—Not later than Sep-
7 tember 1, 2020, the Secretary of Defense shall amend the
8 Unified Facility Criteria related to military construction
9 planning and design to ensure that building practices and
10 standards promote military installation resilience, energy
11 resilience, energy and climate resiliency, and cyber resil-
12 ience.

13 (b) CONDITIONAL AVAILABILITY OF FUNDS PEND-
14 ING INITIATION OF AMENDMENT PROCESS.—Not more
15 than 25 percent of the funds authorized to be appro-
16 priated for fiscal year 2020 for Department of Defense
17 planning and design accounts related to military construc-
18 tion projects may be obligated until the date on which the
19 Secretary of Defense submits to the Committees on Armed
20 Services of the House of Representatives and the Senate
21 a certification that the Secretary has initiated the process
22 to amend the Unified Facility Criteria to comply with the
23 requirements of subsection (a) and intends to complete the
24 amendment process by the date specified in such sub-
25 section.

1 (c) IMPLEMENTATION OF UNIFIED FACILITIES CRI-
2 TERIA AMENDMENT.—

3 (1) IMPLEMENTATION.—Any Department of
4 Defense Form 1391 submitted to Congress after the
5 date specified in subsection (a) must be in compli-
6 ance with the Unified Facility Criteria, amended as
7 required by subsection (a).

8 (2) CERTIFICATION.—Not later than March 1,
9 2021, the Secretary of Defense shall certify to the
10 Committees on Armed Services of the House of Rep-
11 resentatives and the Senate that the amendment re-
12 quired by subsection (a) and the amendment re-
13 quired by section 2805(c) of the Military Construc-
14 tion Authorization Act for Fiscal Year 2019 (divi-
15 sion B of Public Law 115–232; 132 Stat. 2262; 10
16 U.S.C. 2864 note) have been completed and fully in-
17 corporated into military construction planning and
18 design.

19 (d) ANNUAL REVIEW.—Beginning with fiscal year
20 2022, and annually thereafter, the Secretary of Defense
21 shall conduct a review comparing the Unified Facility Cri-
22 teria and industry best practices to ensure that military
23 construction building practices and standards related to
24 military installation resilience, energy resilience, energy
25 and climate resiliency, and cyber resilience remain current.

1 (e) DEFINITIONS.—In this section:

2 (1) The terms “energy resilience” and “military
3 installation resilience” have the meanings given
4 those terms in section 101(e) of title 10, United
5 States Code.

6 (2) The term “energy and climate resiliency”
7 has the meaning given that term in section 2864 of
8 title 10, United States Code.

9 **SEC. 2806. MODIFICATION TO DEPARTMENT OF DEFENSE**
10 **FORM 1391 REGARDING CONSIDERATION OF**
11 **POTENTIAL LONG-TERM ADVERSE ENVIRON-**
12 **MENTAL EFFECTS.**

13 (a) MODIFICATION.—

14 (1) CERTIFICATION REQUIREMENT.—The Sec-
15 retary of Defense shall modify Department of De-
16 fense Form 1391 to require, with respect to any pro-
17 posed major or minor military construction project
18 requiring congressional notification or approval, the
19 inclusion of a certification by the Secretary of De-
20 fense or the Secretary of the military department
21 concerned that the proposed military construction
22 project takes into consideration—

23 (A) the potential adverse consequences of
24 long-term changes in environmental conditions,
25 such as increasingly frequent extreme weather

1 events, that could affect the military installation
2 resilience of the installation for which the mili-
3 tary construction project is proposed; and

4 (B) building requirements in effect for the
5 locality in which the military construction
6 project is proposed and industry best practices
7 that are developed to withstand extreme weath-
8 er events and other consequences of changes in
9 environmental conditions.

10 (2) ELEMENTS OF CERTIFICATION.—As part of
11 the certification required by paragraph (1) for a pro-
12 posed military construction project, the Secretary
13 concerned shall identify the potential changes in en-
14 vironmental conditions, such as increasingly frequent
15 extreme weather events, considered and addressed
16 under subparagraphs (A) and (B) of paragraph (1).

17 (b) RELATION TO RECENT MODIFICATION REQUIRE-
18 MENT.—The modification of Department of Defense Form
19 1391 required by subsection (a) is in addition to, and ex-
20 pands upon, the modification of Department of Defense
21 Form 1391 with respect to flood risk disclosure for mili-
22 tary construction required by section 2805(a) of the Mili-
23 tary Construction Authorization Act for Fiscal Year 2019
24 (division B of Public Law 115–232; 132 Stat. 2262; 10
25 U.S.C. 2802 note).

1 (c) MILITARY INSTALLATION RESILIENCE DE-
2 FINED.—In this section, the term “military installation re-
3 silience” has the meaning given that term in section
4 101(e)(8) of title 10, United States Code.

5 **Subtitle B—Military Family**
6 **Housing Reforms**

7 **SEC. 2811. ENHANCED PROTECTIONS FOR MEMBERS OF**
8 **THE ARMED FORCES AND THEIR DEPEND-**
9 **ENTS RESIDING IN PRIVATIZED MILITARY**
10 **HOUSING UNITS.**

11 (a) SPECIFIED RIGHTS OF TENANCY IN PRIVATIZED
12 MILITARY HOUSING UNITS.—

13 (1) IN GENERAL.—Section 2886 of title 10,
14 United States Code, is amended to read as follows:

15 **“§ 2886. Specified rights of tenancy in military hous-**
16 **ing units**

17 **“(a) CONTRACT REQUIREMENT FOR MILITARY**
18 **HOUSING UNITS.—**

19 **“(1) INCLUSION OF RIGHTS OF TENANCY.—**
20 Each contract between the Secretary concerned and
21 a landlord shall guarantee the rights of tenancy
22 specified in this section for military tenants who re-
23 side in military housing units covered by the con-
24 tract.

1 “(2) RULE OF CONSTRUCTION.—The rights of
2 tenancy in military housing units specified in this
3 section are not intended to be exclusive. The omis-
4 sion of a tenant right or protection shall not be con-
5 strued to deny the existence of such a right or pro-
6 tection for military tenants.

7 “(3) WRITTEN LEASE AND EXPLANATION OF
8 TENANCY.—(A) The lease between a landlord and
9 military tenant shall be in writing to establish ten-
10 ancy in a military housing unit. The landlord shall
11 provide the military tenant with a copy of the lease,
12 any addendums, and any other regulations imposed
13 by the landlord regarding occupancy of the military
14 housing unit and use of common areas.

15 “(B) The Secretary concerned shall require that
16 a military tenant receive a plain-language briefing
17 regarding the rights of tenancy guaranteed by this
18 section and the respective responsibilities of land-
19 lords and military tenants related to tenancy, includ-
20 ing the existence of any additional fees authorized by
21 subsection (c)(2), any utilities payments, the proce-
22 dures for submitting and tracking work orders, the
23 identity of the military tenant advocate, and the dis-
24 pute resolution process.

25 “(b) PROTECTION AGAINST RETALIATION.—

1 “(1) IN GENERAL.—A landlord may not retali-
2 ate against a military tenant, directly or through the
3 chain-of-command of a member of the armed forces
4 who is a military tenant, in response to a military
5 tenant making a complaint relating to a military
6 housing unit or common areas. Evidence of retali-
7 ation may include any of the following actions, includ-
8 ing unsuccessful attempts to commit such an action:

9 “(A) Unlawful recovery of, or attempt to
10 recover, possession of a military housing unit.

11 “(B) Unlawfully increasing the rent, de-
12 creasing services, or increasing the obligations
13 of a military tenant.

14 “(C) Interference with a military tenant’s
15 right to privacy.

16 “(D) Harassment of a military tenant.

17 “(E) Refusal to honor the terms of the
18 lease.

19 “(F) Interference with the career of a mili-
20 tary tenant.

21 “(2) INVESTIGATION.—The Inspector General
22 of the Department of Defense and the Inspector
23 General of a military department may investigate al-
24 legations of retaliation against a military tenant in

1 connection with a complaint relating to a military
2 housing unit.

3 “(c) PROHIBITION AGAINST COLLECTION OF
4 AMOUNTS IN ADDITION TO RENT.—

5 “(1) IN GENERAL.—A landlord may not impose
6 on a military tenant a supplemental payment, such
7 as an out-of-pocket fee, in addition to the amount of
8 rent the landlord charges for a unit of similar size
9 and composition to the military housing unit, with-
10 out regard to whether or not the amount of the
11 member’s basic allowance for housing under section
12 403 of title 37 is less than the amount of the rent.

13 “(2) EXCEPTIONS.—Nothing in paragraph (1)
14 shall be construed—

15 “(A) to prohibit a landlord from imposing
16 an additional payment—

17 “(i) for optional services provided to
18 military tenants, such as access to a gym
19 or a parking space;

20 “(ii) for non-essential utility services,
21 as determined in accordance with regula-
22 tions promulgated by the Secretary con-
23 cerned; or

24 “(iii) to recover damages associated
25 with tenant negligence; or

1 “(B) to limit or otherwise affect the au-
2 thority of the Secretary concerned to enter into
3 rental guarantee agreements under section
4 2876 of this title or to make differential lease
5 payments under section 2877 of this title, so
6 long as such agreements or payments do not re-
7 quire a military tenant to pay an out-of-pocket
8 fee or payment in addition to the basic allow-
9 ance for housing of the member.

10 “(d) DISPUTE RESOLUTION PROCESS.—

11 “(1) ESTABLISHMENT.—The Secretary con-
12 cerned shall establish a dispute resolution process
13 for the resolution of disputes between landlords and
14 military tenants related to military housing units.
15 The resolution process shall use neutral arbitrators
16 and minimize costs incurred by military tenants to
17 participate.

18 “(2) TREATMENT OF BASIC ALLOWANCE FOR
19 HOUSING.—During the dispute resolution process
20 between a landlord and military tenant, the Sec-
21 retary concerned may withhold from the landlord
22 amounts of the military tenant’s basic allowance for
23 housing under section 403 of title 37 that otherwise
24 would be paid to the landlord directly by the military

1 tenant or through allotments of the pay of the mili-
2 tary tenant under section 701 of such title.

3 “(e) PROMPT MAINTENANCE AND REPAIRS.—

4 “(1) IN GENERAL.—The Secretary concerned
5 shall ensure that landlords—

6 “(A) respond promptly to requests for the
7 maintenance or repair of a military housing
8 unit; and

9 “(B) communicate effectively with military
10 tenants regarding the schedule and status of
11 maintenance or repair requests.

12 “(2) ELECTRONIC WORK ORDER SYSTEM.—To
13 promote the policy objective described in paragraph
14 (1), the Secretary concerned shall require the estab-
15 lishment of an electronic work order system through
16 which a military tenant may request maintenance or
17 repairs of a military housing unit and track the
18 progress of the work.

19 “(3) ACCESS TO SYSTEM.—The electronic work
20 order system shall be accessible—

21 “(A) to a military tenant to track a work
22 request made through the system by the mili-
23 tary tenant;

24 “(B) to military tenant advocates or a
25 commander of the relevant military installation

1 to track a work request made through the sys-
2 tem; and

3 “(C) to the landlord responsible for the
4 military housing unit to track a work request
5 made through the system by a military tenant.

6 “(f) DISCLOSURE OF HOUSING CODE VIOLATIONS
7 AND HAZARDS.—

8 “(1) IN GENERAL.—Before accepting a rental
9 application from a prospective military tenant to
10 lease a military housing unit, the landlord must dis-
11 close to the prospective military tenant the following:

12 “(A) Any housing code violations with re-
13 spect to the military housing unit incurred
14 within the previous three years.

15 “(B) Either a three-year history of mold
16 contamination with respect to the military hous-
17 ing unit and common areas or proof of proper
18 remediation.

19 “(C) Either a three-year history of lead
20 contamination in water with respect to the mili-
21 tary housing unit and common areas or proof
22 of proper remediation.

23 “(D) Either a three-year history of rodent
24 infestation with respect to the military housing

1 unit and common areas or proof of proper re-
2 mediation.

3 “(E) Any information regarding health-re-
4 lated symptoms among previous residents of the
5 military housing unit that may have been the
6 result of exposure to environmental hazards in
7 the military housing unit or common areas, if
8 such residents agreed to voluntarily disclose
9 such information. The military tenant advocate
10 shall inform military tenants of their option to
11 disclose or decline to disclose such information.

12 “(2) CONTINUED REQUIREMENT.—The landlord
13 must make the information referred to in paragraph
14 (1) accessible to the military tenant throughout the
15 lease of the military housing unit.

16 “(g) UNIT INSPECTIONS.—

17 “(1) MOVE-IN.—A military tenant is entitled to
18 be present for an inspection of a military housing
19 unit before accepting occupancy of the military hous-
20 ing unit to ensure that the military housing unit is
21 habitable and that facilities and common areas of
22 the building are in good repair.

23 “(2) MOVE-OUT.—A military tenant is entitled
24 to be present for the move-out inspection and must
25 be given sufficient time to address any concerns re-

1 lated to the military tenant's occupancy of the mili-
2 tary housing unit.

3 “(h) MILITARY TENANT ADVOCATES.—(1)(A) The
4 Secretary concerned shall assign personnel of the Depart-
5 ment of Defense or contractor personnel to serve as a mili-
6 tary tenant advocate—

7 “(i) to assist in the resolution of a dispute
8 between a landlord and a military tenant; and

9 “(ii) to serve as a liaison between military
10 tenants and landlords, officials in the chain of
11 command at the installation, and the individual
12 designated in paragraph (2) within the Office of
13 the Secretary of Defense, with respect to con-
14 cerns of military tenants at the applicable in-
15 stallation.

16 “(B) A military tenant advocate may not be an em-
17 ployee of a landlord or occupy office-space provided by a
18 landlord.

19 “(2)(A) The Secretary of Defense shall designate an
20 individual within the Office of the Secretary of Defense
21 to serve as the liaison between the Secretary and the Sec-
22 retaries concerned, the military tenant advocates under
23 paragraph (1), landlords, and other offices of the Depart-
24 ment as the Secretary determines appropriate with respect
25 to military tenant issues.

1 “(B) Not later than one year after the date of the
2 enactment of the National Defense Authorization Act for
3 Fiscal Year 2020, and annually thereafter for the next two
4 years, the individual designated under subparagraph (A)
5 shall submit to the Secretary of Defense and the congres-
6 sional defense committees a report containing a descrip-
7 tion of—

8 “(i) common issues encountered by military ten-
9 ants with respect to military housing; and

10 “(ii) the responsiveness of landlords to tenant
11 requests for the maintenance or repair of military
12 housing units.”.

13 (2) CLERICAL AMENDMENT.—The table of sec-
14 tions at the beginning of subchapter IV of title 10,
15 United States Code, is amended by striking the item
16 relating to section 2886 and inserting the following
17 new item:

“2886. Specified rights of tenancy in military housing units.”.

18 (b) DEFINITIONS.—Section 2871 of title 10, United
19 States Code, is amended—

20 (1) by redesignating paragraphs (7) and (8) as
21 paragraphs (10) and (11), respectively; and

22 (2) by inserting after paragraph (6) the fol-
23 lowing new paragraphs:

24 “(7) The term ‘landlord’ means an eligible enti-
25 ty that enters into a contract as a partner with the

1 Secretary concerned for the acquisition or construc-
2 tion of a military housing unit under this subchapter
3 or any subsequent lessor who owns, manages, or is
4 otherwise responsible for a military housing unit.

5 “(8) The term ‘military housing unit’ means a
6 unit of military family housing or military unaccom-
7 panied housing acquired or constructed under this
8 subchapter.

9 “(9) The term ‘military tenant’ means a mem-
10 ber of the armed forces who occupies a military
11 housing unit and any dependent of the member who
12 is a party to a lease for a military housing unit or
13 is authorized to act on behalf of the member in the
14 event of the assignment or deployment of the mem-
15 ber.”.

16 (c) IMPLEMENTATION REPORT.—Not later than
17 March 1, 2020, the Secretary of Defense shall submit to
18 the Committees on Armed Services of the House of Rep-
19 resentatives and the Senate a report containing a plan to
20 implement section 2886 of title 10, United States Code,
21 as amended by subsection (a). In the report, the Secretary
22 shall identify any circumstances that would impede appli-
23 cation of the requirements of such section to existing con-
24 tracts for the acquisition or construction of military family
25 housing units or military unaccompanied housing units

1 under subchapter IV of chapter 169 of such title, and to
2 existing contracts for the management of such military
3 housing units.

4 **SEC. 2812. PROHIBITION ON USE OF NONDISCLOSURE**
5 **AGREEMENTS IN CONNECTION WITH LEASES**
6 **OF MILITARY HOUSING CONSTRUCTED OR**
7 **ACQUIRED USING ALTERNATIVE AUTHORITY**
8 **FOR ACQUISITION AND IMPROVEMENT OF**
9 **MILITARY HOUSING.**

10 (a) NONDISCLOSURE AGREEMENTS PROHIBITED.—
11 Section 2882 of title 10, United States Code, is amended
12 by adding at the end the following new subsection:

13 “(d) PROHIBITION ON USE OF NONDISCLOSURE
14 AGREEMENTS.—(1) A member of the armed forces who
15 leases a housing unit acquired or constructed under this
16 subchapter, and any dependent of the member who is a
17 party to a lease for such a unit or is authorized to act
18 on behalf of the member in the event of the assignment
19 or deployment of the member, may not be required to sign
20 a nondisclosure agreement in connection with entering
21 into, continuing, or terminating the lease. Any such agree-
22 ment against the interests of the member is invalid.

23 “(2) Paragraph (1) shall not apply to a nondisclosure
24 agreement executed as part of the settlement of litiga-
25 tion.”.

1 (b) IMPLEMENTATION.—The Secretary of Defense
2 and the Secretaries of the military departments shall pro-
3 mulgate regulations necessary to give full force and effect
4 to subsection (d) of section 2882 of title 10, United States
5 Code, as added by subsection (a).

6 (c) RETROACTIVE APPLICATION OF AMENDMENT.—
7 Subsection (d) of section 2882 of title 10, United States
8 Code, as added by subsection (a), shall apply with respect
9 to any nondisclosure agreement covered by the terms of
10 such subsection (d) regardless of the date on which the
11 agreement was executed.

12 **SEC. 2813. AUTHORITY TO FURNISH CERTAIN SERVICES IN**
13 **CONNECTION WITH USE OF ALTERNATIVE**
14 **AUTHORITY FOR ACQUISITION AND IM-**
15 **PROVEMENT OF MILITARY HOUSING.**

16 Section 2872a(b) of title 10, United States Code, is
17 amended by adding at the end the following new para-
18 graphs:

19 “(13) Street sweeping.

20 “(14) Tree trimming and removal.”.

1 **SEC. 2814. MODIFICATION TO REQUIREMENTS FOR WIN-**
2 **DOW FALL PREVENTION DEVICES IN MILI-**
3 **TARY FAMILY HOUSING UNITS.**

4 (a) **FALL PREVENTION DEVICE REQUIREMENTS.**—
5 Section 2879(a) of title 10, United States Code, is amend-
6 ed—

7 (1) in paragraph (1), by striking “that protect
8 against unintentional window falls by young children
9 and that are in compliance with applicable Inter-
10 national Building Code (IBC) standards” and insert-
11 ing “described in paragraph (3)”;

12 (2) in paragraph (2)—

13 (A) in subparagraph (A), by striking “De-
14 cember 11, 2017” and inserting “October 1,
15 2019”; and

16 (B) in subparagraph (B), by striking “Sep-
17 tember 1, 2018” and inserting “October 1,
18 2019”; and

19 (3) by adding at the end the following new
20 paragraph:

21 “(3) **FALL PREVENTION DEVICE DESCRIBED.**—
22 A fall prevention device is a window screen or guard
23 that complies with applicable standards in ASTM
24 standard F2090-13 (or any successor standard).”.

1 (b) MODIFICATION TO WINDOW DESCRIPTION.—Sec-
2 tion 2879(e) of title 10, United States Code, is amended
3 by striking “24” and inserting “42”.

4 (c) CONFORMING AMENDMENT.—Section 2879(b)(1)
5 of title 10, United States Code, is amended by striking
6 “paragraph (1)” and inserting “paragraph (3)”.

7 **SEC. 2815. ASSESSMENT OF HAZARDS IN DEPARTMENT OF**
8 **DEFENSE HOUSING.**

9 (a) HAZARD ASSESSMENT TOOL.—

10 (1) DEVELOPMENT REQUIRED.—Not later than
11 180 days after the date of the enactment of this Act,
12 the Secretary of Defense shall develop an assessment
13 tool, such as a rating system or similar mechanism,
14 to identify and measure health and safety hazards in
15 housing under the jurisdiction of the Department of
16 Defense (including privatized housing).

17 (2) COMPONENTS.—The assessment tool shall
18 provide for the identification and measurement of
19 the following hazards:

20 (A) Physiological hazards, including damp-
21 ness and mold growth, lead-based paint, asbes-
22 tos and manmade fibers, radiation, biocides,
23 and volatile organic compounds.

1 (B) Psychological hazards, including ease
2 of access by unlawful intruders, and lighting
3 issues.

4 (C) Infection hazards.

5 (D) Safety hazards.

6 (3) PUBLIC FORUMS.—In developing the assess-
7 ment tool, the Secretary of Defense shall provide for
8 multiple public forums at which the Secretary may
9 receive input with respect to such assessment tool
10 from occupants of housing under the jurisdiction of
11 the Department of Defense (including privatized
12 housing).

13 (4) REPORT.—Not later than 210 days after
14 the date of the enactment of this Act, the Secretary
15 of Defense shall submit to the Committees on Armed
16 Services of the Senate and the House of Representa-
17 tives a report on the assessment tool.

18 (b) HAZARD ASSESSMENTS.—

19 (1) ASSESSMENTS REQUIRED.—Not later than
20 one year after the date of the enactment of this Act,
21 the Secretary of Defense, using the assessment tool
22 developed under subsection (a)(1), shall complete a
23 hazard assessment for each housing facility under
24 the jurisdiction of the Department of Defense (in-
25 cluding privatized housing).

1 (2) TENANT INFORMATION.—As soon as prac-
2 ticable after the completion of the hazard assess-
3 ment conducted for a housing facility under para-
4 graph (1), the Secretary of Defense shall provide to
5 each individual who leases or is assigned to a hous-
6 ing unit in the facility a summary of the results of
7 the assessment.

8 **SEC. 2816. DEVELOPMENT OF PROCESS TO IDENTIFY AND**
9 **ADDRESS ENVIRONMENTAL HEALTH HAZ-**
10 **ARDS IN DEPARTMENT OF DEFENSE HOUS-**
11 **ING.**

12 (a) PROCESS REQUIRED.—Not later than 180 days
13 after the date of the enactment of this Act, the Secretary
14 of Defense, in coordination with the Secretaries of the
15 military departments, shall develop a process to identify,
16 record, and resolve environmental health hazards in hous-
17 ing under the jurisdiction of the Department of Defense
18 (including privatized housing) in a timely manner.

19 (b) ELEMENTS OF PROCESS.—The process developed
20 under subsection (a) shall provide for the following with
21 respect to each identified environmental health hazard:

22 (1) Categorization of the hazard.

23 (2) Identification of health risks posed by the
24 hazard.

1 (3) Identification of the number of housing oc-
2 cupants potentially affected by the hazard.

3 (4) Recording and maintenance of information
4 regarding the hazard.

5 (5) Resolution of the hazard, which shall in-
6 clude—

7 (A) the performance by the Secretary of
8 Defense (or in the case of privatized housing,
9 the landlord) of hazard remediation activities at
10 the affected facility; and

11 (B) follow-up by the Secretary of Defense
12 to collect information on medical care related to
13 the hazard sought or received by individuals af-
14 fected by the hazard.

15 (c) COORDINATION.—The Secretary of Defense shall
16 ensure coordination between military treatment facilities,
17 appropriate public health officials, and housing managers
18 at military installations with respect to the development
19 and implementation of the process required by subsection
20 (a).

21 (d) REPORT.—Not later than 210 days after the date
22 of the enactment of this Act, the Secretary of Defense
23 shall submit to the Committees on Armed Services of the
24 Senate and the House of Representatives a report on the
25 process required by subsection (a).

1 **SEC. 2817. REPORT ON CIVILIAN PERSONNEL SHORTAGES**
2 **FOR APPROPRIATE OVERSIGHT OF MANAGE-**
3 **MENT OF MILITARY HOUSING CONSTRUCTED**
4 **OR ACQUIRED USING ALTERNATIVE AUTHOR-**
5 **ITY FOR ACQUISITION AND IMPROVEMENT**
6 **OF MILITARY HOUSING.**

7 (a) REPORT REQUIRED.—Not later than six months
8 after the date of the enactment of this Act, the Secretary
9 of Defense, in coordination with the Secretaries of the
10 military departments, shall submit to the congressional de-
11 fense committees a report containing the following:

12 (1) An evaluation of the extent to which short-
13 ages in the number of civilian personnel performing
14 oversight functions at Department of Defense hous-
15 ing management offices or assigned to housing-re-
16 lated functions at headquarters levels contribute to
17 problems regarding the management of military
18 housing constructed or acquired using the alter-
19 native authority for the acquisition and improvement
20 of military housing under subchapter IV of chapter
21 169 of title 10, United States Code.

22 (2) Recommendations to address such personnel
23 shortages in order to eliminate management prob-
24 lems regarding such military housing, ensure over-
25 sight of the partner's execution of the housing agree-
26 ment and the delivery of all requirements in accord-

1 ance with implementing guidance provided by the
2 Secretaries of the military departments, improve
3 oversight of and expedite the work-order process,
4 and facilitate a positive experience for members of
5 the Armed Forces and their dependents who reside
6 in military housing.

7 (b) **PERSONNEL RECOMMENDATIONS.**—As part of
8 the recommendations required by subsection (a)(2), the
9 Secretary of Defense shall—

10 (1) determine the number of additional per-
11 sonnel who are required, the installation and head-
12 quarter locations at which they will be employed, the
13 employment positions they will fill, and the duties
14 they will perform;

15 (2) identify the number of additional personnel
16 already hired as of the date on which the report is
17 submitted and their locations and the timeline for
18 employing the remaining required personnel; and

19 (3) estimate the cost of employing the addi-
20 tional personnel.

1 **SEC. 2818. INSPECTOR GENERAL REVIEW OF DEPARTMENT**
2 **OF DEFENSE OVERSIGHT OF PRIVATIZED**
3 **MILITARY HOUSING.**

4 Not later than one year after the date of the enact-
5 ment of this Act, and annually thereafter until 2022, the
6 Inspector General of the Department of Defense shall—

7 (1) conduct a review at not less than 15 ran-
8 domly selected military installations of the oversight
9 by the Secretary of Defense of privatized military
10 housing at such installations; and

11 (2) make publicly available on a website of the
12 Department a summary of the results of such re-
13 view.

14 **SEC. 2819. DEPARTMENT OF DEFENSE INSPECTION AU-**
15 **THORITY REGARDING PRIVATIZED MILITARY**
16 **HOUSING.**

17 (a) INSPECTION AUTHORITY.—Section 2885 of title
18 10, United States Code, is amended by adding at the end
19 the following new subsection:

20 “(g) POST-CONSTRUCTION ACCESS AND INSPECTION
21 AUTHORITY.—

22 “(1) REQUIREMENT.—The Secretary concerned
23 shall retain the authority after the completion of a
24 military housing privatization project to access and
25 inspect any military housing unit, ancillary sup-
26 porting facility, or common area acquired, con-

1 structured, or renovated as part of the project in order
2 to protect the health and safety of members of the
3 armed forces and their dependents who occupy the
4 privatized military housing units.

5 “(2) NOTICE AND RIGHT OF REFUSAL OF AC-
6 CESS AND INSPECTION.—The Secretary concerned
7 shall ensure that the individuals who lease or are as-
8 signed a military housing unit—

9 “(A) are provided not less than 48 hours
10 notice prior to the Secretary concerned access-
11 ing and inspecting the unit as authorized under
12 paragraph (1); and

13 “(B) have the right to refuse the Secretary
14 concerned such access.”.

15 (b) RETROACTIVE APPLICATION OF AMENDMENT.—
16 Subsection (g) of section 2885 of title 10, United States
17 Code, as added by subsection (a), shall apply to each mili-
18 tary housing privatization project completed prior to the
19 date of the enactment of this Act, and to each such project
20 completed on or after such date.

21 **SEC. 2820. IMPROVEMENT OF PRIVATIZED MILITARY HOUS-**
22 **ING.**

23 (a) COMPLAINT DATABASE AND FINANCIAL TRANS-
24 PARENCY.—

1 (1) IN GENERAL.—Subchapter IV of chapter
2 169 of title 10, United States Code, is amended by
3 adding at the end the following new sections:

4 **“§ 2887. Complaint database**

5 “(a) DATABASE REQUIRED.—The Secretary of De-
6 fense shall establish a database that is available to the
7 public of complaints relating to housing units under this
8 subchapter.

9 “(b) FILING OF COMPLAINTS.—The Secretary shall
10 ensure that a tenant of a housing unit under this sub-
11 chapter may file a complaint relating to such housing unit
12 for inclusion in the database under subsection (a).

13 “(c) RESPONSE BY LANDLORD.—(1) The Secretary
14 shall include in any contract with a landlord responsible
15 for a housing unit under this subchapter a requirement
16 that the landlord respond to any complaints included in
17 the database under subsection (a) that relate to the hous-
18 ing unit.

19 “(2) Any response under paragraph (1) shall be in-
20 cluded in the database under subsection (a).

21 **“§ 2888. Financial transparency**

22 “(a) AUDITS OF AGREEMENTS WITH PARTNERS.—
23 (1) Not less frequently than annually, the Comptroller
24 General of the United States, in accordance with best
25 audit practices, shall randomly select one small, medium,

1 and large military installation participating in the Military
2 Privatized Housing Initiative for the purposes of con-
3 ducting a full financial audit of the privatized housing
4 project or projects at each installation. The results of au-
5 dits conducted under this section shall be provided to the
6 Secretary of Defense and the Committees on Armed Serv-
7 ices of the Senate and the House of Representatives.

8 “(2) Audits conducted under paragraph (1) shall in-
9 clude an analysis, at a minimum, of the following:

10 “(A) Base management fees for managing the
11 housing units.

12 “(B) Incentive fees relating to the housing
13 units, including details on the following:

14 “(i) Metrics upon which such incentive fees
15 are paid.

16 “(ii) Whether incentive fees were paid in
17 full or withheld in part or in full during the
18 year covered by the publication, and if so, why.

19 “(C) Asset management fees relating to the
20 housing units.

21 “(D) Preferred return fees relating to the hous-
22 ing units.

23 “(E) Any deferred fees or other fees relating to
24 the housing units.

1 “(F) Residual cash flow distributions relating
2 to the housing units.

3 “(G) Provider’s financial relationship with and
4 use of subsidiaries and third parties to manage/im-
5 plement housing agreements.”.

6 (2) CLERICAL AMENDMENT.—The table of sec-
7 tions at the beginning of subchapter IV of chapter
8 169 of title 10, United States Code, is amended by
9 inserting after the item relating to section 2886 the
10 following new items:

“2887. Complaint database.

“2888. Financial transparency.”.

11 (b) ANNUAL REPORTS ON PRIVATIZED MILITARY
12 HOUSING.—Section 2884 of title 10, United States Code,
13 is amended by adding at the end the following new sub-
14 section:

15 “(d) ANNUAL REPORT ON HOUSING.—(1) Not less
16 frequently than annually, the Secretary of Defense shall
17 submit to the congressional defense committees and pub-
18 lish on a publicly available website of the Department of
19 Defense a report on housing units under this subchapter,
20 disaggregated by military installation.

21 “(2) Each report submitted under paragraph (1)
22 shall include the following:

23 “(A) An assessment of the condition of housing
24 units under this subchapter based on the average

1 age of those units and the estimated time until re-
2 capitalization.

3 “(B) An analysis of complaints of tenants of
4 such housing units.

5 “(C) An assessment of maintenance response
6 times and completion of maintenance requests relat-
7 ing to such housing units.

8 “(D) An assessment of dispute resolution relat-
9 ing to such housing units, which must include an
10 analysis of all denied tenant requests to withhold
11 rent payments, or where the dispute resolution proc-
12 ess resulted in a favorable outcome for the housing
13 provider.

14 “(E) An assessment of overall customer service
15 for tenants of such housing units.

16 “(F) A description of the results of any no-no-
17 tice housing inspections conducted for such housing
18 units.

19 “(G) The results of any resident surveys con-
20 ducted with respect to such housing units.”.

1 **Subtitle C—Real Property and**
2 **Facilities Administration**

3 **SEC. 2831. IMPROVED ENERGY SECURITY FOR MAIN OPER-**
4 **ATING BASES IN EUROPE.**

5 (a) PROHIBITION ON USE OF CERTAIN ENERGY
6 SOURCE.—The Secretary of Defense shall ensure that
7 each contract for the acquisition of furnished energy for
8 a covered military installation in Europe does not use nat-
9 ural gas sourced from inside the Russian Federation as
10 a means of generating the furnished energy for the cov-
11 ered military installation.

12 (b) WAIVER FOR NATIONAL SECURITY INTERESTS.—

13 (1) WAIVER AUTHORITY; CERTIFICATION.—The
14 Secretary of Defense may waive application of sub-
15 section (a) to a specific contract for the acquisition
16 of furnished energy for a covered military installa-
17 tion if the Secretary certifies to the congressional
18 defense committees that—

19 (A) the waiver of such subsection is nec-
20 essary to ensure an adequate supply of fur-
21 nished energy for the covered military installa-
22 tion; and

23 (B) the Secretary has balanced these na-
24 tional security requirements against the poten-

1 tial risk associated with reliance upon the Rus-
2 sian Federation for furnished energy.

3 (2) SUBMISSION OF WAIVER NOTICE.—Not
4 later than 14 days before the execution of any en-
5 ergy contract for which a waiver is granted under
6 paragraph (1), the Secretary of Defense shall submit
7 to the congressional defense committees notice of the
8 waiver. The waiver notice shall include the following:

9 (A) The rationale for the waiver, including
10 the basis for the certifications required by sub-
11 paragraphs (A) and (B) of paragraph (1).

12 (B) An assessment of how the waiver may
13 impact the European energy resiliency strategy.

14 (C) An explanation of the measures the
15 Department of Defense is taking to mitigate
16 the risk of using Russian Federation furnished
17 energy.

18 (c) DEFINITIONS.—In this section:

19 (1) The term “covered military installation”
20 means a military installation in Europe identified by
21 the Department of Defense as a main operating
22 base.

23 (2) The term “furnished energy” means energy
24 furnished to a covered military installation in any

1 form and for any purpose, including heating, cool-
2 ing, and electricity.

3 **SEC. 2832. ACCESS TO DEPARTMENT OF DEFENSE FACILI-**
4 **TIES FOR CREDENTIALLED TRANSPORTATION**
5 **WORKERS.**

6 Section 1050 of the National Defense Authorization
7 Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C.
8 113 note) is amended—

9 (1) by striking subsection (a) and inserting the
10 following new subsection:

11 “(a) ACCESS TO FACILITIES FOR CREDENTIALLED
12 TRANSPORTATION WORKERS.—The Secretary of Defense,
13 to the extent practicable—

14 “(1) shall ensure that the Transportation
15 Worker Identification Credential is accepted as a
16 valid credential for unescorted access to a work site
17 at a maritime terminal of the Department of De-
18 fense; and

19 “(2) may provide that the Transportation
20 Worker Identification Credential be accepted as a
21 valid credential for unescorted access to Department
22 of Defense facilities other than those specified in
23 paragraph (1).”; and

24 (2) in the section heading, by striking “**IN-**
25 **STALLATIONS**” and inserting “**FACILITIES**”.

1 **Subtitle D—Land Conveyances**

2 **SEC. 2841. LAND CONVEYANCE, HILL AIR FORCE BASE,** 3 **UTAH.**

4 (a) CONVEYANCE AUTHORIZED.—The Secretary of
5 the Air Force may convey, without consideration, to the
6 State of Utah or a designee of the State of Utah (in this
7 section referred to as the “State”) all right, title, and in-
8 terest of the United States in and to a parcel of real prop-
9 erty, including improvements thereon, consisting of ap-
10 proximately 35 acres located at Hill Air Force Base (com-
11 monly known as the Defense Nontactical Generator and
12 Rail Center), and such real property adjacent to the Cen-
13 ter as the parties consider to be appropriate, for the pur-
14 pose of permitting the State to construct a new inter-
15 change for Interstate 15.

16 (b) CONDITION OF CONVEYANCE.—As a condition on
17 the conveyance authorized by subsection (a), the State
18 shall agree to the following:

19 (1) That, not later than two years after the
20 date of the conveyance of the property under such
21 subsection, the State, at no cost to the United
22 States, shall—

23 (A) demolish all improvements, and infra-
24 structure associated with the improvements, in

1 existence on the property as of the date of the
2 conveyance; and

3 (B) subject to subsection (c), complete all
4 environmental cleanup and remediation activi-
5 ties as may be required for the planned redevel-
6 opment and use of the property.

7 (2) That, as part of the construction of the new
8 Interstate 15 interchange referred to in subsection
9 (a), the State, at no cost to the United States, shall
10 construct on the property a new gate for Hill Air
11 Force Base in compliance with such construction, se-
12 curity, and other requirements as the Secretary of
13 the Air Force considers to be necessary.

14 (3) That the State shall coordinate any demoli-
15 tion, cleanup, remediation, design, redevelopment,
16 and construction activities performed pursuant to
17 the conveyance of property under subsection (a) with
18 the Secretary and the Utah Department of Trans-
19 portation.

20 (c) ENVIRONMENTAL OBLIGATIONS.—The State
21 shall not have any obligation in relation to any environ-
22 mental conditions on the property to be conveyed under
23 subsection (a) unless—

1 (1) the conditions were in existence and known
2 before the date of the conveyance of the property;
3 and

4 (2) the State agrees to address the conditions
5 under subsection (b)(1)(B).

6 (d) PAYMENT OF COSTS OF CONVEYANCE.—

7 (1) PAYMENT REQUIRED.—The Secretary of
8 the Air Force shall require the State to cover costs
9 to be incurred by the Secretary, or to reimburse the
10 Secretary for such costs incurred, to carry out the
11 conveyance under subsection (a), including survey
12 costs, costs for environmental documentation, and
13 other administrative costs related to the conveyance.
14 If amounts collected are in advance of the Secretary
15 incurring actual costs, and the amount collected ex-
16 ceeds the costs actually incurred by the Secretary to
17 carry out the conveyance, the Secretary shall refund
18 the excess amount.

19 (2) TREATMENT OF AMOUNTS RECEIVED.—
20 Amounts received under paragraph (1) as reim-
21 bursement for costs incurred by the Secretary to
22 carry out the conveyance under subsection (a) shall
23 be credited to the fund or account that was used to
24 cover the costs incurred by the Secretary in carrying
25 out the conveyance, or to an appropriate fund or ac-

1 count currently available to the Secretary for the
2 purposes for which the costs were paid. Amounts so
3 credited shall be merged with amounts in such fund
4 or account and shall be available for the same pur-
5 poses, and subject to the same conditions and limita-
6 tions, as amounts in such fund or account.

7 (e) DESCRIPTION OF PROPERTY.—The exact acreage
8 and legal description of the property to be conveyed under
9 subsection (a) shall be determined by a survey satisfactory
10 to the Secretary of the Air Force.

11 (f) ADDITIONAL TERMS AND CONDITIONS.—The Sec-
12 retary of the Air Force may require such additional terms
13 and conditions in connection with the conveyance under
14 subsection (a) as the Secretary considers appropriate to
15 protect the interests of the United States.

16 **SEC. 2842. RELEASE OF CONDITIONS AND REVERSIONARY**
17 **INTEREST, CAMP JOSEPH T. ROBINSON, AR-**
18 **KANSAS.**

19 (a) RELEASE OF CONDITIONS AND RETAINED INTER-
20 ESTS.—With respect to a parcel of real property at Camp
21 Joseph T. Robinson, Arkansas, consisting of approxi-
22 mately 141.52 acres and conveyed by the United States
23 to the State of Arkansas pursuant to the Act entitled “An
24 Act authorizing the transfer of part of Camp Joseph T.
25 Robinson to the State of Arkansas”, approved June 30,

1 1950 (64 Stat. 311, chapter 429), the Secretary of the
2 Army may release, without consideration, the terms and
3 conditions imposed by the United States and the rever-
4 sionary interest retained by the United States under sec-
5 tion 2 of such Act and the right to reenter and use the
6 property retained by the United States under section 3
7 of such Act.

8 (b) CONDITION OF RELEASE.—As a condition of the
9 release of terms and conditions and retained interests
10 under subsection (a) and subject to subsection (c), the
11 State of Arkansas shall agree to convey, without consider-
12 ation, the parcel of real property described in subsection
13 (a) to the Arkansas Department of Veterans Affairs for
14 the purpose of expanding the Arkansas State Veterans
15 Cemetery in North Little Rock, Arkansas.

16 (c) NEW REVERSIONARY INTEREST.—The convey-
17 ance required by subsection (b) of the real property de-
18 scribed in subsection (a) shall include a reversionary inter-
19 est to protect the interests of the United States. Under
20 the terms of such reversionary interest, if the Secretary
21 of the Army determines at any time that the real property
22 conveyed pursuant to subsection (b) is not being used in
23 accordance with the purpose of the conveyance specified
24 in such subsection, all right, title, and interest in and to
25 the real property, including any improvements thereto,

1 shall, at the option of the Secretary, revert to and become
2 the property of the United States, and the United States
3 shall have the right of immediate entry onto the real prop-
4 erty. A determination by the Secretary under this sub-
5 section shall be made on the record after an opportunity
6 for a hearing.

7 (d) INSTRUMENT OF RELEASE AND DESCRIPTION OF
8 PROPERTY.—The Secretary of the Army may execute and
9 file in the appropriate office a deed of release, amended
10 deed, or other appropriate instrument reflecting the re-
11 lease of terms and conditions and retained interests under
12 subsection (a). The exact acreage and legal description of
13 the property described in this section shall be determined
14 by a survey satisfactory to the Secretary of the Army.

15 (e) PAYMENT OF ADMINISTRATIVE COSTS.—

16 (1) PAYMENT REQUIRED.—The Secretary of
17 the Army may require the State of Arkansas to
18 cover costs to be incurred by the Secretary, or to re-
19 imburse the Secretary for costs incurred by the Sec-
20 retary, to carry out the release of terms and condi-
21 tions and retained interests under subsection (a), in-
22 cluding survey costs, costs related to environmental
23 documentation, and other administrative costs re-
24 lated to the release. If amounts paid to the Sec-
25 retary in advance exceed the costs actually incurred

1 by the Secretary to carry out the release, the Sec-
2 retary shall refund the excess amount to the State.

3 (2) TREATMENT OF AMOUNTS RECEIVED.—

4 Amounts received under subsection (a) as reimburse-
5 ment for costs incurred by the Secretary to carry
6 out the release of terms and conditions and retained
7 interests under subsection (a) shall be credited to
8 the fund or account that was used to cover the costs
9 incurred by the Secretary in carrying out the re-
10 lease. Amounts so credited shall be merged with
11 amounts in such fund or account and shall be avail-
12 able for the same purposes, and subject to the same
13 conditions and limitations, as amounts in such fund
14 or account.

15 (f) ADDITIONAL TERMS AND CONDITIONS.—The Sec-
16 retary of the Army may require such additional terms and
17 conditions in connection with the release of terms and con-
18 ditions and retained interests under subsection (a) as the
19 Secretary considers appropriate to protect the interests of
20 the United States.

21 **SEC. 2843. MODIFICATION OF AUTHORIZED USES OF CER-**
22 **TAIN PROPERTY CONVEYED BY THE UNITED**
23 **STATES IN LOS ANGELES, CALIFORNIA.**

24 (a) IN GENERAL.—Section 2 of Public Law 85–236
25 (71 Stat. 517) is amended in the first sentence by insert-

1 ing after “for other military purposes” the following: “and
2 for purposes of meeting the needs of the homeless (as that
3 term is defined in section 103 of the McKinney-Vento
4 Homeless Assistance Act (42 U.S.C. 11302))”.

5 (b) MODIFICATION OF USE.—

6 (1) APPLICATION.—The State of California
7 shall submit to the Administrator of General Serv-
8 ices an application for use of the property conveyed
9 by section 2 of Public Law 85–236 for purposes of
10 meeting the needs of the homeless in accordance
11 with the amendment made by subsection (a).

12 (2) REVIEW OF APPLICATION.—Not later than
13 60 days after the date of receipt of an application
14 pursuant to paragraph (1), the Administrator and
15 the Secretary of Health and Human Services shall
16 jointly determine whether the use of the property de-
17 scribed in the application is a use for purposes of
18 meeting the needs of the homeless.

19 (3) MODIFICATION OF INSTRUMENT OF CON-
20 VEYANCE.—If the Administrator and the Secretary
21 jointly determine that the use of the property de-
22 scribed in the application is for purposes of meeting
23 the needs of the homeless, the Administrator shall
24 execute and record in the appropriate office an in-
25 strument of modification of the deed of conveyance

1 executed pursuant to Public Law 85–236 in order to
2 authorize such use of the property. The instrument
3 shall include such additional terms and conditions as
4 the Administrator considers appropriate to protect
5 the interests of the United States.

6 (4) COMPATIBILITY WITH MILITARY PUR-
7 POSES.—Before executing any instrument of modi-
8 fication of the deed of conveyance, the Administrator
9 and the Secretary shall request a review by the Chief
10 of the National Guard Bureau, in consultation with
11 the Secretary of the Army, to ensure that any modi-
12 fication of the use of the property described in the
13 application is compatible with the training of mem-
14 bers of the National Guard and other military pur-
15 poses.

16 **Subtitle E—Military Land** 17 **Withdrawals**

18 **SEC. 2851. PUBLIC NOTICE REGARDING UPCOMING PERI-**
19 **ODS OF SECRETARY OF THE NAVY MANAGE-**
20 **MENT OF SHARED USE AREA OF THE JOHN-**
21 **SON VALLEY OFF-HIGHWAY VEHICLE RECRE-**
22 **ATION AREA.**

23 (a) PUBLIC NOTICE REQUIRED.—Section 2942(b)(2)
24 of the Military Land Withdrawals Act of 2013 (title XXIX

1 of Public Law 113–66; 127 Stat. 1036) is amended by
2 adding at the end the following new subparagraph:

3 “(D) PUBLIC NOTICE.—Not later than one
4 year before the date on which a 30-day period
5 of Secretary of the Navy management of the
6 Shared Use Area will start, the Secretary of the
7 Navy, acting through the Resource Manage-
8 ment Group established pursuant to section
9 2944, shall notify the public of the start date
10 and the intention of the Armed Forces to use
11 the Shared Use Area for military training pur-
12 poses. The Secretary of the Navy, upon notice
13 to the Secretary of the Interior, may waive such
14 public notice in the event of an emergent mili-
15 tary training requirement.”.

16 (b) APPLICATION OF AMENDMENT.—Subparagraph
17 (D) of section 2942(b)(2) of the Military Land With-
18 drawals Act of 2013 (title XXIX of Public Law 113–66;
19 127 Stat. 1036), as added by subsection (a), shall apply
20 to periods of Secretary of the Navy management of the
21 Shared Use Area of the Johnson Valley Off-Highway Ve-
22 hicle Recreation Area under such section that start on or
23 after January 1, 2021.

1 **Subtitle F—White Sands National**
2 **Park and White Sands Missile**
3 **Range**

4 **SEC. 2861. SHORT TITLE.**

5 This subtitle may be cited as the “White Sands Na-
6 tional Park Establishment Act”.

7 **SEC. 2862. DEFINITIONS.**

8 In this subtitle:

9 (1) **MAP.**—The term “Map” means the map en-
10 titled “White Sands National Park Proposed Bound-
11 ary Revision & Transfer of Lands Between National
12 Park Service & Department of the Army”, numbered
13 142/136,271, and dated February 14, 2017.

14 (2) **MILITARY MUNITIONS.**—The term “military
15 munitions” has the meaning given the term in sec-
16 tion 101(e) of title 10, United States Code.

17 (3) **MISSILE RANGE.**—The term “Missile
18 Range” means the White Sands Missile Range, New
19 Mexico, administered by the Secretary of the Army.

20 (4) **MONUMENT.**—The term “Monument”
21 means the White Sands National Monument, New
22 Mexico, established by Presidential Proclamation
23 No. 2025 (54 U.S.C. 320301 note), dated January
24 18, 1933, and administered by the Secretary of the
25 Interior.

1 (5) MUNITIONS DEBRIS.—The term “munitions
2 debris” has the meaning given the term in volume
3 8 of the Department of Defense Manual Number
4 6055.09–M entitled “DoD Ammunitions and Explo-
5 sives Safety Standards” and dated February 29,
6 2008 (as in effect on the date of enactment of this
7 Act).

8 (6) NATIONAL PARK.—The term “National
9 Park” means the White Sands National Park estab-
10 lished by this subtitle.

11 (7) PUBLIC LAND ORDER.—The term “Public
12 Land Order” means Public Land Order 833, dated
13 May 21, 1952 (17 Fed. Reg. 4822).

14 **SEC. 2863. FINDINGS.**

15 Congress finds the following:

16 (1) White Sands National Monument was es-
17 tablished on January 18, 1933, by President Her-
18 bert Hoover pursuant to the Antiquities Act of 1906
19 (now chapter 3203 of title 54, United States Code).

20 (2) President Hoover proclaimed that the
21 Monument was established “for the preservation of
22 the white sands and additional features of scenic,
23 scientific, and educational interest”.

1 (3) The Monument was expanded by Presidents
2 Roosevelt, Eisenhower, Carter, and Clinton in 1934,
3 1942, 1953, 1978, and 1996, respectively.

4 (4) The Monument contains a substantially
5 more diverse set of nationally significant historical,
6 archaeological, scientific, and natural resources than
7 were known of at the time the Monument was estab-
8 lished, including a number of recent discoveries.

9 (5) The Monument is recognized as a major
10 unit of the National Park System with extraordinary
11 values enjoyed by more visitors each year since 1995
12 than any other unit in the State of New Mexico.

13 (6) The Monument contributes significantly to
14 the local economy by attracting tourists.

15 (7) Designation of the Monument as a national
16 park would increase public recognition of the diverse
17 array of nationally significant resources at the
18 Monument and visitation to the unit.

19 **SEC. 2864. ESTABLISHMENT OF WHITE SANDS NATIONAL**
20 **PARK IN THE STATE OF NEW MEXICO.**

21 (a) ESTABLISHMENT.—To protect, preserve, and re-
22 store its scenic, scientific, educational, natural, geological,
23 historical, cultural, archaeological, paleontological,
24 hydrological, fish, wildlife, and recreational values and to
25 enhance visitor experiences, there is established the White

1 Sands National Park as a unit of the National Park Sys-
2 tem.

3 (b) ABOLISHMENT OF WHITE SANDS NATIONAL
4 MONUMENT.—

5 (1) ABOLISHMENT.—Due to the establishment
6 of the National Park, the Monument is abolished.

7 (2) INCORPORATION.—The land and interests
8 in land that comprise the Monument are incor-
9 porated in, and shall be considered to be part of, the
10 National Park.

11 (c) REFERENCES.—Any reference in a law, map, reg-
12 ulation, document, paper, or other record of the United
13 States to White Sands National Monument shall be con-
14 sidered to be a reference to White Sands National Park.

15 (d) AVAILABILITY OF FUNDS.—Any funds available
16 for the Monument shall be available for the National Park.

17 (e) ADMINISTRATION.—The Secretary of the Interior
18 shall administer the National Park in accordance with—

19 (1) this subtitle; and

20 (2) the laws generally applicable to units of the
21 National Park System, including section 100101(a),
22 chapter 1003, sections 100751(a), 100752, 100753,
23 and 102101, and chapter 3201 of title 54, United
24 States Code.

25 (f) EFFECT.—Nothing in this section affects—

1 (1) valid existing rights (including water
2 rights);

3 (2) permits or contracts issued by the Monu-
4 ment;

5 (3) existing agreements, including agreements
6 with the Department of Defense;

7 (4) the jurisdiction of the Department of De-
8 fense regarding the restricted airspace above the Na-
9 tional Park; or

10 (5) the airshed classification of the National
11 Park under the Clean Air Act (42 U.S.C. 7401 et
12 seq.).

13 **SEC. 2865. TRANSFERS OF ADMINISTRATIVE JURISDICTION**
14 **RELATED TO THE NATIONAL PARK AND**
15 **WHITE SANDS MISSILE RANGE.**

16 (a) **TRANSFER OF ADMINISTRATIVE JURISDICTION**
17 **TO THE SECRETARY OF THE INTERIOR.—**

18 (1) **IN GENERAL.—**Administrative jurisdiction
19 over the land described in paragraph (2) is trans-
20 ferred from the Secretary of the Army to the Sec-
21 retary of the Interior.

22 (2) **DESCRIPTION OF LAND.—**The land referred
23 to in paragraph (1) consists of the following:

1 (A) The approximately 2,826 acres of land
2 identified as “To NPS, lands inside current
3 boundary” on the Map.

4 (B) The approximately 5,766 acres of land
5 identified as “To NPS, new additions” on the
6 Map.

7 (b) TRANSFER OF ADMINISTRATIVE JURISDICTION
8 TO THE SECRETARY OF THE ARMY.—

9 (1) IN GENERAL.—Administrative jurisdiction
10 over the land described in paragraph (2) is trans-
11 ferred from the Secretary of the Interior to the Sec-
12 retary of the Army.

13 (2) DESCRIPTION OF LAND.—The land referred
14 to in paragraph (1) consists of the approximately
15 3,737 acres of land identified as “To DOA” on the
16 Map.

17 (c) ADMINISTRATION.—

18 (1) NATIONAL PARK.—The Secretary of the In-
19 terior shall administer the land transferred under
20 subsection (a) in accordance with laws (including
21 regulations) applicable to the National Park.

22 (2) MISSILE RANGE.—Subject to subsection (d),
23 the Secretary of the Army shall administer the land
24 transferred to the Secretary of the Army under sub-
25 section (b) as part of the Missile Range.

1 (d) INFRASTRUCTURE; RESOURCE MANAGEMENT.—

2 (1) RANGE ROAD 7.—

3 (A) INFRASTRUCTURE MANAGEMENT.—To
4 the maximum extent practicable, in planning,
5 constructing, and managing infrastructure on
6 the land described in subparagraph (C), the
7 Secretary of the Army shall apply low-impact
8 development techniques and strategies to pre-
9 vent impacts within the Missile Range and the
10 National Park from stormwater runoff from the
11 land described in that subparagraph.

12 (B) RESOURCE MANAGEMENT.—The Sec-
13 retary of the Army shall—

14 (i) manage the land described in sub-
15 paragraph (C) in a manner consistent with
16 the protection of natural and cultural re-
17 sources within the Missile Range and the
18 National Park and in accordance with sec-
19 tion 101(a)(1)(B) of the Sikes Act (16
20 U.S.C. 670a(a)(1)(B)), division A of sub-
21 title III of title 54, United States Code,
22 and the Native American Graves Protec-
23 tion and Repatriation Act (25 U.S.C. 3001
24 et seq.); and

1 (ii) include the land described in sub-
2 paragraph (C) in the integrated natural
3 and cultural resource management plan for
4 the Missile Range.

5 (C) DESCRIPTION OF LAND.—The land re-
6 ferred to in subparagraphs (A) and (B) is the
7 land that is transferred to the administrative
8 jurisdiction of the Secretary of the Army under
9 subsection (b) and located in the area east of
10 Range Road 7 in—

11 (i) T. 17 S., R. 5 E., sec. 31;

12 (ii) T. 18 S., R. 5 E.; and

13 (iii) T. 19 S., R. 5 E., sec. 5.

14 (2) FENCE.—

15 (A) IN GENERAL.—The Secretary of the
16 Army shall continue to allow the Secretary of
17 the Interior to maintain the fence shown on the
18 Map until such time as the Secretary of the In-
19 terior determines that the fence is unnecessary
20 for the management of the National Park.

21 (B) REMOVAL.—If the Secretary of the In-
22 terior determines that the fence is unnecessary
23 for the management of the National Park under
24 subparagraph (A), the Secretary of the Interior

1 shall promptly remove the fence at the expense
2 of the Department of the Interior.

3 (e) RESEARCH.—The Secretary of the Army and the
4 Secretary of the Interior may enter into an agreement to
5 allow the Secretary of the Interior to conduct certain re-
6 search in the area identified as “Cooperative Use Research
7 Area” on the Map.

8 (f) MILITARY MUNITIONS AND MUNITIONS DE-
9 BRIS.—

10 (1) RESPONSE ACTION.—With respect to any
11 Federal liability, the Secretary of the Army shall re-
12 main responsible for any response action addressing
13 military munitions or munitions debris on the land
14 transferred under subsection (a) to the same extent
15 as on the day before the date of enactment of this
16 Act.

17 (2) INVESTIGATION OF MILITARY MUNITIONS
18 AND MUNITIONS DEBRIS.—

19 (A) IN GENERAL.—The Secretary of the
20 Interior may request that the Secretary of the
21 Army conduct one or more investigations of
22 military munitions or munitions debris on any
23 land transferred under subsection (a).

24 (B) ACCESS.—The Secretary of the Inte-
25 rior shall give access to the Secretary of the

1 Army to the land covered by a request under
2 subparagraph (A) for the purposes of con-
3 ducting an investigation under that subpara-
4 graph.

5 (C) LIMITATION.—An investigation con-
6 ducted under this paragraph shall be subject to
7 available appropriations.

8 (3) APPLICABLE LAW.—Any activities under-
9 taken under this subsection shall be carried out in
10 accordance with—

11 (A) the Comprehensive Environmental Re-
12 sponse, Compensation, and Liability Act of
13 1980 (42 U.S.C. 9601 et seq.);

14 (B) the purposes for which the National
15 Park was established; and

16 (C) any other applicable law.

17 **SEC. 2866. BOUNDARY MODIFICATIONS RELATED TO THE**
18 **NATIONAL PARK AND MISSILE RANGE.**

19 (a) NATIONAL PARK.—

20 (1) IN GENERAL.—The boundary of the Na-
21 tional Park is revised to reflect the boundary de-
22 picted on the Map.

23 (2) MAP.—

24 (A) IN GENERAL.—The Secretary of the
25 Interior, in coordination with the Secretary of

1 the Army, shall prepare and keep on file for
2 public inspection in the appropriate office of the
3 Secretary of the Interior a map and a legal de-
4 scription of the revised boundary of the Na-
5 tional Park.

6 (B) EFFECT.—The map and legal descrip-
7 tion under subparagraph (A) shall have the
8 same force and effect as if included in this Act,
9 except that the Secretary of the Interior may
10 correct clerical and typographical errors in the
11 map and legal description.

12 (3) BOUNDARY SURVEY.—As soon as prac-
13 ticable after the date of the establishment of the Na-
14 tional Park and subject to the availability of funds,
15 the Secretary of the Interior shall complete an offi-
16 cial boundary survey of the National Park.

17 (b) MISSILE RANGE.—

18 (1) IN GENERAL.—The boundary of the Missile
19 Range and the Public Land Order are modified to
20 exclude the land transferred to the Secretary of the
21 Interior under subsection (a) of section 2865 and to
22 include the land transferred to the Secretary of the
23 Army under subsection (b) of such section.

1 (2) MAP.—The Secretary of the Interior shall
2 prepare a map and legal description depicting the re-
3 vised boundary of the Missile Range.

4 (c) CONFORMING AMENDMENT.—Section 2854 of the
5 National Defense Authorization Act for Fiscal Year 1997
6 (Public Law 104–201; 54 U.S.C. 320301 note), relating
7 to the modification of boundaries of the Monument and
8 the Missile Range, is repealed.

9 **Subtitle G—Other Matters**

10 **SEC. 2871. INSTALLATION AND MAINTENANCE OF FIRE EX-** 11 **TINGUISHERS IN DEPARTMENT OF DEFENSE** 12 **FACILITIES.**

13 The Secretary of Defense shall ensure that portable
14 fire extinguishers are installed and maintained in all De-
15 partment of Defense facilities in accordance with require-
16 ments of national model fire codes developed by the Na-
17 tional Fire Protection Association and the International
18 Code Council that require redundancy and extinguishers
19 throughout occupancies regardless of the presence of other
20 suppression systems or alarm systems.

1 **SEC. 2872. DEFINITION OF COMMUNITY INFRASTRUCTURE**
2 **FOR PURPOSES OF MILITARY BASE REUSE**
3 **STUDIES AND COMMUNITY PLANNING AS-**
4 **SISTANCE.**

5 Paragraph (4) of section 2391(e) of title 10, United
6 States Code, is amended to read as follows:

7 “(4)(A) The term ‘community infrastructure’
8 means a project or facility described in subpara-
9 graph (B) that—

10 “(i) is located off of a military installation;

11 and

12 “(ii) is—

13 “(I) owned by a State or local govern-
14 ment; or

15 “(II) a not-for-profit, member owned
16 utility service.

17 “(B) A project or facility described in this sub-
18 paragraph is any of the following:

19 “(i) Any transportation project.

20 “(ii) A school, hospital, police, fire, emer-
21 gency response, or other community support fa-
22 cility.

23 “(iii) A water, waste-water, telecommuni-
24 cations, electric, gas, or other utility infrastruc-
25 ture project.”.

1 **SEC. 2873. REPORT ON VULNERABILITIES FROM SEA LEVEL**
2 **RISE TO CERTAIN MILITARY INSTALLATIONS**
3 **LOCATED OUTSIDE THE CONTINENTAL**
4 **UNITED STATES.**

5 (a) REPORT REQUIRED.—Not later than one year
6 after the date of the enactment of this Act, the Secretary
7 of Defense shall submit to the Committees on Armed Serv-
8 ices of the Senate and the House of Representatives a re-
9 port on vulnerabilities from sea level rise to covered instal-
10 lations located outside of the continental United States.

11 (b) CONTENTS.—For each covered installation, the
12 report required by subsection (a) shall include the fol-
13 lowing:

14 (1) An analysis of the impacts to the oper-
15 ations, contingency plans, and readiness of such in-
16 stallation from a sea level rise.

17 (2) A discussion of mitigation efforts, including
18 dredging, reclaiming land, and island building, that
19 may be necessary due to a sea level rise—

20 (A) to ensure the continued operational vi-
21 ability of such installation; and

22 (B) to increase the resiliency of such in-
23 stallation.

24 (3) The estimated costs of the efforts discussed
25 under paragraph (2).

1 (4) An identification of alternative locations for
2 the continuance of operations of such installation if
3 such installation is rendered inoperable.

4 (c) FORM.—The report required under subsection (a)
5 shall be submitted in unclassified form, but may contain
6 a classified annex.

7 (d) COVERED INSTALLATION DEFINED.—In this sec-
8 tion, the term “covered installation” means the following
9 military installations:

10 (1) Naval Support Facility Diego Garcia.

11 (2) Ronald Reagan Ballistic Missile Defense
12 Test Site.

13 **SEC. 2874. BLACK START EXERCISES AT JOINT BASES.**

14 (a) REQUIREMENT.—Not later than September 30,
15 2020, the Secretary of Defense shall conduct a black start
16 exercise at three Joint Bases at which such exercise has
17 not previously been conducted, for the purpose of identi-
18 fying any shortcomings in infrastructure, joint operations,
19 joint coordination, and security that would result from a
20 loss of power at the site.

21 (b) REPORT.—Not later than June 1, 2020, the Sec-
22 retary of Defense shall submit to the congressional defense
23 committees a report that contains a discussion of lessons
24 learned from black start exercises conducted by the Sec-
25 retary of Defense during the period beginning with the

1 first such exercise and ending on December 31, 2019, in-
2 cluding the three most recurring issues identified as a re-
3 sult of such exercises with respect to infrastructure, joint
4 coordination efforts, and security.

5 (c) BLACK START EXERCISE DEFINED.—In this sec-
6 tion, the term “black start exercise” means, with respect
7 to a military installation, an exercise in which commercial
8 utility power at the installation is dropped before backup
9 generation assets start, for the purpose of—

10 (1) testing the ability of the backup systems to
11 start, transfer the load, and carry the load until
12 commercial power is restored;

13 (2) aligning stakeholders on critical energy re-
14 quirements to meet mission requirements;

15 (3) validating mission operation plans, such as
16 continuity of operations plans;

17 (4) identifying infrastructure interdependencies;
18 and

19 (5) verifying backup electric power system per-
20 formance.

1 **TITLE XXIX—OVERSEAS CONTIN-**
 2 **GENY OPERATIONS MILI-**
 3 **TARY CONSTRUCTION**

4 **SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND**
 5 **ACQUISITION PROJECTS.**

6 (a) AUTHORIZATION.—Subject to subsection (b), the
 7 Secretary of the Army may acquire real property and
 8 carry out the military construction projects for the instal-
 9 lations outside the United States, and in the amounts, set
 10 forth in the following table:

Army: Outside the United States

Country	Location	Amount
Cuba	Guantanamo Bay Naval Station	\$33,800,000
Unspecified Europe	European Deterrence Initiative: Various Loca- tions.	\$98,342,000

11 (b) REPORT REQUIRED AS CONDITION OF AUTHOR-
 12 IZATION.—Not later than 90 days after the date of the
 13 enactment of this Act, the Secretary of the Army shall
 14 submit to the congressional defense committees a report
 15 containing a plan to carry out each military construction
 16 project authorized in the final item in the table in sub-
 17 section (a) for an unspecified location for the European
 18 Deterrence Initiative. The plan shall include a Department
 19 of Defense Form 1391 for each proposed project. The Sec-
 20 retary may not commence a project until the report has
 21 been submitted.

1 **SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND**
 2 **ACQUISITION PROJECTS.**

3 (a) AUTHORIZATION.—Subject to subsection (b), the
 4 Secretary of the Navy may acquire real property and carry
 5 out the military construction projects for the installations
 6 outside the United States, and in the amounts, set forth
 7 in the following table:

Navy: Outside the United States

Country	Location	Amount
Bahrain	SW Asia	\$53,360,000
Italy	Sigonella	\$77,400,000
Spain	Rota	\$69,570,000
Unspecified Europe	European Deterrence Initiative: Various Locations	\$56,246,000

8 (b) REPORT REQUIRED AS CONDITION OF AUTHOR-
 9 IZATION.—Not later than 90 days after the date of the
 10 enactment of this Act, the Secretary of the Navy shall sub-
 11 mit to the congressional defense committees a report con-
 12 taining a plan to carry out each military construction
 13 project authorized in the final item in the table in sub-
 14 section (a) for an unspecified location for the European
 15 Deterrence Initiative. The plan shall include a Department
 16 of Defense Form 1391 for each proposed project. The Sec-
 17 retary may not commence a project until the report has
 18 been submitted.

19 **SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND**
 20 **LAND ACQUISITION PROJECTS.**

21 (a) AUTHORIZATION.—Subject to subsection (b), the
 22 Secretary of the Air Force may acquire real property and

1 carry out the military construction projects for the instal-
 2 lations outside the United States, and in the amounts, set
 3 forth in the following table:

Air Force: Outside the United States

Country	Location	Amount
Iceland	Keflavik	\$57,000,000
Jordan	Azraq	\$66,000,000
Spain	Moron	\$8,500,000
Unspecified Europe	European Deterrence Initiative: Various	\$231,246,000

4 (b) REPORT REQUIRED AS CONDITION OF AUTHOR-
 5 IZATION.—Not later than 90 days after the date of the
 6 enactment of this Act, the Secretary of the Air Force shall
 7 submit to the congressional defense committees a report
 8 containing a plan to carry out each military construction
 9 project authorized in the final item in the table in sub-
 10 section (a) for an unspecified location for the European
 11 Deterrence Initiative. The plan shall include a Department
 12 of Defense Form 1391 for each proposed project. The Sec-
 13 retary may not commence a project until the report has
 14 been submitted.

15 **SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUC-**
 16 **TION AND LAND ACQUISITION PROJECTS.**

17 The Secretary of Defense may acquire real property
 18 and carry out the military construction project for the in-
 19 stallation outside the United States, and in the amount,
 20 set forth in the following table:

Defense Agencies: Outside the United States

Country	Location	Amount
Germany	Germersheim	\$46,000,000

1 **SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.**

2 Funds are hereby authorized to be appropriated for
 3 fiscal years beginning after September 30, 2019, 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 **TITLE XXX—AUTHORIZATION OF**
 8 **EMERGENCY MILITARY CON-**
 9 **STRUCTION**

10 **SEC. 3001. AUTHORIZATION OF EMERGENCY NAVY CON-**
 11 **STRUCTION AND LAND ACQUISITION**
 12 **PROJECTS.**

13 Pursuant to section 2802 of title 10, United States
 14 Code, the following real property acquisition and military
 15 construction projects, including planning and design re-
 16 lated to military construction projects, in the following
 17 amounts, are authorized:

Navy Authorization

State or Location	Installation or Location	Project	Amount
North Carolina	Camp Lejeune ...	Various construction	\$967,210,000
	Marine Corps Air Station Cherry Point	Various Construction	\$175,456,000
Unspecified World-wide	Unspecified Worldwide Locations	Planning and Design	\$68,282,000

1 **SEC. 3002. AUTHORIZATION OF EMERGENCY AIR FORCE**
 2 **CONSTRUCTION AND LAND ACQUISITION**
 3 **PROJECTS.**

4 (a) AIR FORCE AUTHORIZATION.—Subject to sub-
 5 section (b), pursuant to section 2802 of title 10, United
 6 States Code, the following real property acquisition and
 7 military construction projects, in the following amounts,
 8 are authorized:

Air Force Authorization

State	Installation or Location	Project	Amount
Florida	Tyndall Air Force Base	Various Construction	\$735,752,000
Nebraska	Offutt Air Force Base	Various Construction	\$300,000,000

9 (b) REPORT REQUIRED AS CONDITION OF AUTHOR-
 10 IZATION.—Not later than 90 days after the date of the
 11 enactment of this Act, the Secretary of the Air Force shall
 12 submit to the Committees on Armed Services of the House
 13 of Representatives and the Senate a report containing a
 14 plan to carry out the military construction projects author-
 15 ized by this section. The plan shall include an explanation
 16 of how each military construction project will incorporate
 17 mitigation measures that reduce the threat from extreme
 18 weather events, mean sea level fluctuation, flooding, and
 19 any other known environmental threat to resilience, in-
 20 cluding a list of any areas in which there is a variance
 21 from the local building requirements and an explanation

1 of the reason for the variance. The plan shall also include
 2 a Department of Defense Form 1391 for each proposed
 3 project. The Secretary may not commence a project until
 4 the report required from the Secretary has been sub-
 5 mitted.

6 **SEC. 3003. AUTHORIZATION OF EMERGENCY ARMY NA-**
 7 **TIONAL GUARD AND ARMY RESERVE CON-**
 8 **STRUCTION AND LAND ACQUISITION**
 9 **PROJECTS.**

10 (a) ARMY NATIONAL GUARD AUTHORIZATION.—Pur-
 11 suant to section 2802 of title 10, United States Code, the
 12 following real property acquisition and military construc-
 13 tion projects, in the following amounts, are authorized:

Army National Guard Authorization

State	Installation or Location	Project	Amount
Florida	Panama City	National Guard Readiness Center	\$25,000,000
North Caro- lina	Military Training Area Fort Fisher	General Purpose Administrative Building	\$25,000,000

14 (b) ARMY RESERVE AUTHORIZATION.—Pursuant to
 15 section 2805 of title 10, United States Code, unspecified
 16 minor construction, in the amount set forth in the fol-
 17 lowing table, is authorized:

Army Reserve Authorization

Country	Installation or Location	Project	Amount
Unspecified World-wide	Unspecified Worldwide Locations	Unspecified Minor Construction	\$3,300,000

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**
8 **Subtitle A—National Security**
9 **Programs and Authorizations**

10 **SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRA-**
11 **TION.**

12 (a) **AUTHORIZATION OF APPROPRIATIONS.—**Funds
13 are hereby authorized to be appropriated to the Depart-
14 ment of Energy for fiscal year 2020 for the activities of
15 the National Nuclear Security Administration in carrying
16 out programs as specified in the funding table in section
17 4701.

18 (b) **AUTHORIZATION OF NEW PLANT PROJECTS.—**
19 From funds referred to in subsection (a) that are available
20 for carrying out plant projects, the Secretary of Energy

1 may carry out new plant projects for the National Nuclear
2 Security Administration as follows:

3 Project 15–D–301, High Explosive Science and
4 Engineering Facility, Pantex Plant, Amarillo, Texas,
5 \$123,000,000.

6 Project 15–D–611, Emergency Operations Cen-
7 ter, Sandia National Laboratories, Albuquerque,
8 New Mexico, \$4,000,000.

9 Project 15–D–612, Emergency Operations Cen-
10 ter, Lawrence Livermore National Laboratory,
11 Livermore, California, \$5,000,000.

12 Project 18–D–150, Surplus Plutonium Disposi-
13 tion, Savannah River Site, Aiken, South Carolina,
14 \$79,000,000.

15 Project 18–D–650, Tritium Finishing Facility,
16 Savannah River Site, Aiken, South Carolina,
17 \$27,000,000.

18 Project 19–D–670, 138k Power Transmission
19 System Replacement, Nevada National Security Site,
20 Mercury, Nevada, \$6,000,000.

21 Project 20–D–931, KL Fuel Development Lab-
22 oratory, Knolls Atomic Power Laboratory, Scheneec-
23 tady, New York, \$23,700,000.

1 **SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.**

2 Funds are hereby authorized to be appropriated to
3 the Department of Energy for fiscal year 2020 for defense
4 environmental cleanup activities in carrying out programs
5 as specified in the funding table in section 4701.

6 **SEC. 3103. OTHER DEFENSE ACTIVITIES.**

7 Funds are hereby authorized to be appropriated to
8 the Department of Energy for fiscal year 2020 for other
9 defense activities in carrying out programs as specified in
10 the funding table in section 4701.

11 **SEC. 3104. NUCLEAR ENERGY.**

12 Funds are hereby authorized to be appropriated to
13 the Department of Energy for fiscal year 2020 for nuclear
14 energy as specified in the funding table in section 4701.

15 **Subtitle B—Program Authoriza-**
16 **tions, Restrictions, Limitations,**
17 **and Other Matters**

18 **SEC. 3111. PERSONNEL LEVELS OF THE OFFICE OF THE AD-**
19 **MINISTRATOR FOR NUCLEAR SECURITY.**

20 (a) PERSONNEL LEVELS.—

21 (1) INCREASE.—Subsection (a) of section
22 3241A of the National Nuclear Security Administra-
23 tion Act (50 U.S.C. 2441a) is amended by striking
24 “1,690” both places it appears and inserting
25 “1,890”.

1 (2) TECHNICAL AMENDMENTS.—Such sub-
2 section is further amended—

3 (A) in paragraph (1), by striking “By Oc-
4 tober 1, 2015, the” and inserting “The”; and

5 (B) in paragraph (2), by striking “2016”
6 and inserting “2020”.

7 (b) REPORTS ON SERVICE SUPPORT CONTRACTS.—
8 Subsection (f) of such section is amended—

9 (1) in the matter preceding paragraph (1), by
10 striking “as of the date of the report” and inserting
11 “for the most recent fiscal year for which data is
12 available”; and

13 (2) by striking paragraph (5) and inserting the
14 following new paragraphs:

15 “(5) With respect to each contract identified
16 under paragraph (2)—

17 “(A) identification of each appropriations
18 account that supports the contract; and

19 “(B) the amount obligated under the con-
20 tract during the fiscal year, listed by each such
21 account.

22 “(6) With respect to each appropriations ac-
23 count identified under paragraph (5)(A), the total
24 amount obligated for contracts identified under
25 paragraph (2).”.

1 **SEC. 3112. OFFICE OF COST ESTIMATING AND PROGRAM**
2 **EVALUATION.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that Congress is concerned that the staffing levels
5 of the Office of Cost Estimating and Program Evaluation
6 of the National Nuclear Security Administration have
7 been persistently below the authorized level.

8 (b) REPORTING.—Section 3221(b)(1) of the National
9 Nuclear Security Administration Act (50 U.S.C.
10 2411(b)(1)) is amended by adding at the end the following
11 new sentence: “The Director shall report directly to the
12 Administrator.”.

13 (c) BRIEFING.—Not later than 180 days after the
14 date of the enactment of this Act, the Administrator for
15 Nuclear Security shall provide to the congressional defense
16 committees a briefing on the plan of the Administrator
17 to fully staff the Office of Cost Estimating and Program
18 Evaluation of the National Nuclear Security Administra-
19 tion pursuant to section 3221(f) of the National Nuclear
20 Security Administration Act (50 U.S.C. 2411(f)).

21 **SEC. 3113. CLARIFICATION OF CERTAIN STOCKPILE RE-**
22 **SPONSIVENESS PROGRAM OBJECTIVES.**

23 Section 4220(c) of the Atomic Energy Defense Act
24 (50 U.S.C. 2538b(c)) is amended—

25 (1) in paragraph (3), by striking “capabilities
26 required, including prototypes” and inserting “capa-

1 bilities as required, such as through the use of pro-
2 totypes”; and

3 (2) in paragraph (6)—

4 (A) by striking “in consultation with the
5 Director of National Intelligence” and inserting
6 “in coordination with the Director of National
7 Intelligence”; and

8 (B) by inserting “if needed to meet intel-
9 ligence requirements” after “foreign countries”.

10 **SEC. 3114. MODIFICATION TO PLUTONIUM PIT PRODUC-**
11 **TION CAPACITY.**

12 (a) FINDING AND SENSE OF CONGRESS.—

13 (1) FINDING.—Congress finds that a recent
14 study by the Institute of Defense Analyses notes, “a
15 key milestone will be achieving the Plutonium
16 Sustainment Program goal of 30 pits per year at
17 Los Alamos National Laboratory”.

18 (2) SENSE OF CONGRESS.—It is the sense of
19 Congress that the National Nuclear Security Admin-
20 istration should prioritize achieving production of 30
21 pits per year at Los Alamos National Laboratory
22 and ensure that efforts to design and construct a
23 second site do not divert resources, including per-
24 sonnel and funding, from Los Alamos National Lab-
25 oratory.

1 (b) 2027 REQUIREMENT.—Section 4219 of the
2 Atomic Energy Defense Act (50 U.S.C. 2538a) is amend-
3 ed—

4 (1) in subsection (a)—

5 (A) in paragraph (3), by inserting “and”
6 after the semicolon;

7 (B) in paragraph (4), by striking “; and”
8 and inserting a period; and

9 (C) by striking paragraph (5);

10 (2) by striking subsection (b); and

11 (3) by redesignating subsections (c) and (d) as
12 subsections (b) and (c), respectively.

13 (c) CONFORMING AMENDMENT.—Subsection (b) of
14 such section, as redesignated by subsection (b), is amend-
15 ed by striking “(or, if the authority under subsection (b)
16 is exercised, 2029)”.

17 **SEC. 3115. ANNUAL CERTIFICATION OF SHIPMENTS TO**
18 **WASTE ISOLATION PILOT PLANT.**

19 Section 3115(a) of the National Defense Authoriza-
20 tion Act for Fiscal Year 2017 (Public Law 114–328; 130
21 Stat. 2759), as amended by section 3137 of the John S.
22 McCain National Defense Authorization Act for Fiscal
23 Year 2019 (Public Law 115–232; 132 Stat. 2303), is fur-
24 ther amended, in the matter preceding paragraph (1), by

1 striking “three-year period” and inserting “10-year pe-
2 riod”.

3 **SEC. 3116. REPEAL OF LIMITATION ON AVAILABILITY OF**
4 **FUNDS FOR ACCELERATION OF NUCLEAR**
5 **WEAPONS DISMANTLEMENT.**

6 Section 3125 of the National Defense Authorization
7 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.
8 2766) is repealed.

9 **SEC. 3117. ELIMINATION OF LIMITATION ON AVAILABILITY**
10 **OF FUNDS RELATING TO SUBMISSION OF AN-**
11 **NUAL REPORTS ON UNFUNDED PRIORITIES.**

12 Section 4716 of the Atomic Energy Defense Act (50
13 U.S.C. 2756) is amended—

14 (1) by striking subsection (c); and

15 (2) by redesignating subsection (d) as sub-
16 section (c).

17 **SEC. 3118. PROGRAM FOR RESEARCH AND DEVELOPMENT**
18 **OF ADVANCED NAVAL NUCLEAR FUEL SYS-**
19 **TEM BASED ON LOW-ENRICHED URANIUM.**

20 (a) ESTABLISHMENT.—Not later than 60 days after
21 the date of the enactment of this Act, the Administrator
22 for Nuclear Security shall establish a program to assess
23 the viability of using low-enriched uranium in naval nu-
24 clear propulsion reactors, including such reactors located

1 on aircraft carriers and submarines, that meet the require-
2 ments of the Navy.

3 (b) ACTIVITIES.—In carrying out the program under
4 subsection (a), the Administrator shall carry out activities
5 to develop an advanced naval nuclear fuel system based
6 on low-enriched uranium, including activities relating to—

7 (1) down-blending of high-enriched uranium
8 into low-enriched uranium;

9 (2) manufacturing of candidate advanced low-
10 enriched uranium fuels;

11 (3) irradiation tests and post-irradiation exam-
12 ination of these fuels; and

13 (4) modification or procurement of equipment
14 and infrastructure relating to such activities.

15 (c) REPORT.—Not later than 120 days after the date
16 of the enactment of this Act, the Administrator shall sub-
17 mit to the congressional defense committees a plan out-
18 lining the activities the Administrator will carry out under
19 the program established under subsection (a), including
20 the funding requirements associated with developing a
21 low-enriched uranium fuel.

22 **SEC. 3119. REPLACEMENT OF W78 WARHEAD.**

23 (a) ANALYSIS OF ALTERNATIVES.—

24 (1) IN GENERAL.—The Administrator for Nu-
25 clear Security shall conduct an analysis of alter-

1 natives with respect to replacing the W78 warhead.
2 Such analysis shall describe the technical risks and
3 costs for each option to replace the W78 warhead.

4 (2) REVIEW.—The Director for Cost Esti-
5 mating and Program Evaluation of the National Nu-
6 clear Security Administration shall review the anal-
7 ysis of alternatives under paragraph (1).

8 (3) REPORT.—Not later than 150 days after
9 the date of the enactment of this Act, the Adminis-
10 trator shall submit to the congressional defense com-
11 mittees a report on the replacement of the W78 war-
12 head. Such report shall include the analysis of alter-
13 natives under paragraph (1) and the review under
14 paragraph (2).

15 (b) LIMITATION.—Of the funds authorized to be ap-
16 propriated by this Act or otherwise made available for fis-
17 cal year 2020 for the National Nuclear Security Adminis-
18 tration for the modernization of the W78 warhead, not
19 more than 75 percent may be obligated or expended until
20 the date on which the report is submitted under subsection
21 (a)(3).

22 (c) INDEPENDENT STUDY.—

23 (1) IN GENERAL.—The Administrator shall
24 seek to enter into an arrangement with the private
25 scientific advisory group known as JASON to con-

1 duct a study of the plan of the Administrator to re-
2 place the W78 warhead. Such study shall include—

3 (A) an assessment of the risks to certifi-
4 cation; and

5 (B) the need for planned upgrades to such
6 warhead.

7 (2) SUBMISSION.—Not later than 150 days
8 after the date of the enactment of this Act, the Ad-
9 ministrator shall submit to the congressional defense
10 committees the study under paragraph (1), without
11 change.

12 **SEC. 3120. NATIONAL LABORATORY JOBS ACCESS PRO-**
13 **GRAM.**

14 (a) IN GENERAL.—Not later than 180 days after the
15 date of enactment of this Act, the Secretary may establish
16 a program known as the “Department of Energy National
17 Lab Jobs ACCESS Program”, under which the Secretary
18 may award, on a competitive basis, 5-year grants to eligi-
19 ble entities described in subsection (c) for the Federal
20 share of the costs of technical, skills-based
21 preapprenticeship and apprenticeship programs that pro-
22 vide employer-driven or recognized postsecondary creden-
23 tials during the grant period.

1 (b) REQUIREMENTS.—A program funded by a grant
2 awarded under this section shall develop and deliver cus-
3 tomized and competency-based training that—

4 (1) leads to recognized postsecondary creden-
5 tials for secondary school and postsecondary stu-
6 dents;

7 (2) is focused on skills and qualifications need-
8 ed, as determined by the Department of Energy in
9 consultation with the national laboratories, to meet
10 the immediate and on-going needs of traditional and
11 emerging technician positions (including machinists
12 and cyber security technicians) at the National Lab-
13 oratories and covered facilities of the National Nu-
14 clear Security Administration;

15 (3) creates an apprenticeship or
16 preapprenticeship program in consultation with a
17 National Laboratory or covered facility of the Na-
18 tional Nuclear Security Administration; and

19 (4) creates an apprenticeship or
20 preapprenticeship program registered with and ap-
21 proved by the Secretary of Labor or a State Appren-
22 ticeship Agency.

23 (c) ELIGIBLE ENTITIES.—An entity that is eligible
24 to receive a grant under this section shall be a workforce

1 intermediary or an eligible sponsor of a preapprenticeship
2 or an apprenticeship program that—

3 (1) demonstrates experience in implementing
4 and providing career planning and career pathways
5 towards apprenticeship or preapprenticeship pro-
6 grams;

7 (2)(A) has a relationship with a National Lab-
8 oratory or covered facility of the National Nuclear
9 Security Administration;

10 (B) has knowledge of technician workforce
11 needs of such laboratory or facility and the associ-
12 ated security requirements of such laboratory or fa-
13 cility; and

14 (C) is eligible to enter into an agreement with
15 such laboratory or facility that would be paid for in
16 part or entirely from grant funds received under this
17 section;

18 (3) demonstrates the ability to recruit and sup-
19 port individuals who plan to work in relevant techni-
20 cian positions upon the successful completion of such
21 programs;

22 (4) provides students who complete such pro-
23 grams with a recognized postsecondary credential,
24 such as a journeyman craft license or an industry-
25 recognized certification;

1 (5) uses a customized training curriculum that
2 is specifically aligned with employers, utilizing work-
3 place learning advisors and on-the-job training to
4 the greatest extent possible; and

5 (6) demonstrates successful outcomes con-
6 necting graduates of such programs to careers rel-
7 evant to such programs.

8 (d) APPLICATIONS.—An eligible entity seeking a
9 grant under this section shall submit to the Secretary an
10 application at such time, in such manner, and containing
11 such information as the Secretary may require.

12 (e) PRIORITY.—In selecting eligible entities to receive
13 grants under this section, the Secretary shall prioritize an
14 eligible entity that—

15 (1) is a member of an industry or sector part-
16 nership;

17 (2) provides the training described in subsection
18 (b)—

19 (A) at an institution of higher education
20 (such as a community college) that includes
21 basic science, technology, and mathematics edu-
22 cation in the curriculum;

23 (B) through an apprenticeship program
24 that was registered with the Department of
25 Labor or a State Apprenticeship Agency before

1 the date on which the eligible entity applies for
2 the grant under subsection (d); or

3 (C) with respect to a preapprenticeship
4 program, at a local educational agency, a sec-
5 ondary school, a provider of adult education, an
6 area career and technical education school, or
7 an appropriate community facility;

8 (3) works with the Secretary of Defense, Sec-
9 retary of Veteran Affairs, or veterans organizations
10 to transition members of the Armed Forces and vet-
11 erans to apprenticeship or preapprenticeship pro-
12 grams in a relevant sector;

13 (4) plans to use the grant to carry out the
14 training described in subsection (b) with an entity
15 that receives State funding or is operated by a State
16 agency; and

17 (5) plans to use the grant to carry out the
18 training described in subsection (b) for—

19 (A) young adults ages 16 to 29, inclusive;

20 or

21 (B) individuals with barriers to employ-
22 ment.

23 (f) **ADDITIONAL CONSIDERATION.**—In making grants
24 under this section, the Secretary shall consider regional
25 diversity.

1 (g) LIMITATION ON APPLICATIONS.—An eligible enti-
2 ty may not submit, either individually or as part of a joint
3 application, more than 1 application for a grant under this
4 section during any 1 fiscal year.

5 (h) LIMITATIONS ON AMOUNT OF GRANT.—The
6 amount of a grant provided under this section for any 24-
7 month period of the 5-year grant period shall not exceed
8 \$500,000.

9 (i) NON-FEDERAL SHARE.—The non-Federal share
10 of the cost of a customized training program carried out
11 using a grant under this section shall be not less than
12 25 percent of the total cost of the program.

13 (j) TECHNICAL ASSISTANCE.—The Secretary may
14 provide technical assistance to eligible entities described
15 in subsection (c) to leverage the existing job training and
16 education programs of the Department of Labor and other
17 relevant programs at appropriate Federal agencies.

18 (k) REPORT.—

19 (1) IN GENERAL.—Not less than once every 2
20 years, the Secretary of Labor shall submit to Con-
21 gress, and make publicly available on the website of
22 the Department of Labor, a report on the program
23 established under this section, including—

24 (A) a description of—

1 (i) any entity that receives a grant
2 under this section;

3 (ii) any activity carried out using the
4 grants under this section; and

5 (iii) best practices used to leverage the
6 investment of the Federal Government
7 under this section; and

8 (B) an assessment of the results achieved
9 by the program established under this section,
10 including the rate of employment for partici-
11 pants after completing a job training and edu-
12 cation program carried out using a grant under
13 this section.

14 (2) PROVISION OF INFORMATION.—The Sec-
15 retary of Energy shall provide such information as
16 necessary to the Secretary of Labor for purposes of
17 the report under paragraph (1).

18 (3) PERFORMANCE REPORTS.—Not later than
19 one year after the start of a new apprenticeship or
20 preapprenticeship program established under this
21 section, and annually thereafter, the entity carrying
22 out the programs shall submit to the Secretary of
23 Labor a report on the effectiveness of the program
24 based on the accountability measures described in
25 clauses (i) and (ii) of section 116(b)(2)(A) of the

1 Workforce Innovation and Opportunity Act (29
2 U.S.C. 3141(b)(2)(A)).

3 (l) DEFINITIONS.—In this section:

4 (1) ESEA TERMS.—The terms “local edu-
5 cational agency” and “secondary school” have the
6 meanings given the terms in section 8101 of the Ele-
7 mentary and Secondary Education Act of 1965 (20
8 U.S.C. 7801).

9 (2) WIOA TERMS.—The terms “career plan-
10 ning”, “community-based organization”, “cus-
11 tomized training”, “economic development agency”,
12 “individual with a barrier to employment”, “indus-
13 try or sector partnership”, “on-the-job training”,
14 “recognized postsecondary credential”, and “work-
15 place learning advisor” have the meanings given
16 such terms in section 3 of the Workforce Innovation
17 and Opportunity Act (29 U.S.C. 3102).

18 (3) APPRENTICESHIP.—The term “apprentice-
19 ship” means an apprenticeship registered under the
20 Act of August 16, 1937 (commonly known as the
21 “National Apprenticeship Act”; 50 Stat. 664, chap-
22 ter 663; 29 U.S.C. 50 et seq.).

23 (4) AREA CAREER AND TECHNICAL EDUCATION
24 SCHOOL.—The term “area career and technical edu-
25 cation school” has the meaning given the term in

1 section 3 of the Carl D. Perkins Career and Tech-
2 nical Education Act of 2006 (20 U.S.C. 2302).

3 (5) COMMUNITY COLLEGE.—The term “commu-
4 nity college” has the meaning given the term “junior
5 or community college” in section 312(f) of the High-
6 er Education Act of 1965 (20 U.S.C. 1058(f)).

7 (6) COVERED FACILITY OF THE NATIONAL NU-
8 CLEAR SECURITY ADMINISTRATION.—The term
9 “covered facility of the National Nuclear Security
10 Administration” means a national security labora-
11 tory or a nuclear weapons production facility as such
12 terms are defined in section 4002 of the Atomic En-
13 ergy Defense Act (50 U.S.C. 2501).

14 (7) ELIGIBLE SPONSOR.—The term “eligible
15 sponsor” means a public organization or an organi-
16 zation described in section 501(c) of the Internal
17 Revenue Code of 1986 and exempt from tax under
18 section 501(a) of that Code, that—

19 (A) with respect to an apprenticeship pro-
20 gram, administers such program through a
21 partnership that may include—

22 (i) an industry or sector partnership;

23 (ii) an employer or industry associa-
24 tion;

25 (iii) a labor-management organization;

1 (iv) a local workforce development
2 board or State workforce development
3 board;

4 (v) a 2- or 4-year institution of higher
5 education that offers an educational pro-
6 gram leading to an associate's or bach-
7 elor's degree in conjunction with a certifi-
8 cate of completion of apprenticeship;

9 (vi) the Armed Forces (including the
10 National Guard and Reserves);

11 (vii) a community-based organization;

12 or

13 (viii) an economic development agen-
14 cy; and

15 (B) with respect to a preapprenticeship
16 program, is a local educational agency, a sec-
17 ondary school, an area career and technical
18 education school, a provider of adult education,
19 a State workforce development board, a local
20 workforce development board, or a community-
21 based organization, that administers such pro-
22 gram with any required coordination and nec-
23 essary approvals from the Secretary of Labor or
24 a State department of labor.

1 (8) INSTITUTION OF HIGHER EDUCATION.—The
2 term “institution of higher education” has the
3 meaning given the term in section 101 of the Higher
4 Education Act of 1965 (20 U.S.C. 1001).

5 (9) LOCAL WORKFORCE DEVELOPMENT
6 BOARD.—The term “local workforce development
7 board” has the meaning given the term “local
8 board” in section 3 of the Workforce Innovation and
9 Opportunity Act (29 U.S.C. 3102).

10 (10) NATIONAL LABORATORY.—The term “Na-
11 tional Laboratory” has the meaning given the term
12 in section 2 of the Energy Policy Act of 2005 (42
13 U.S.C. 15801).

14 (11) PROVIDER OF ADULT EDUCATION.—The
15 term “provider of adult education” has the meaning
16 given that term in section 203 of the Adult Edu-
17 cation and Literacy Act (29 U.S.C. 3272).

18 (12) RELATED INSTRUCTION.—The term “re-
19 lated instruction” means an organized and system-
20 atic form of instruction designed to provide an ap-
21 prentice with the knowledge of the technical subjects
22 related to the occupation of the apprentice.

23 (13) SECRETARY.—The term “Secretary”
24 means the Secretary of Energy, in consultation with

1 the Secretary of Labor, except as otherwise specified
2 in this Act.

3 (14) STATE WORKFORCE DEVELOPMENT
4 BOARD.—The term “State workforce development
5 board” has the meaning given the term “State
6 board” in section 3 of the Workforce Innovation and
7 Opportunity Act (29 U.S.C. 3102).

8 (15) WORKFORCE INTERMEDIARY.—The term
9 “workforce intermediary”—

10 (A) means an organization that proactively
11 addresses workforce needs using a dual cus-
12 tomer approach, which considers the needs of
13 both employees and employers; and

14 (B) may include a community organiza-
15 tion, an employer organization, a community
16 college, a temporary staffing agency, a State
17 workforce development board, a local workforce
18 development board, or a labor organization.

19 **TITLE XXXII—DEFENSE NU-**
20 **CLEAR FACILITIES SAFETY**
21 **BOARD**

22 **SEC. 3201. AUTHORIZATION.**

23 There are authorized to be appropriated for fiscal
24 year 2020, \$29,450,000 for the operation of the Defense

1 Nuclear Facilities Safety Board under chapter 21 of the
2 Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

3 **SEC. 3202. IMPROVEMENTS TO DEFENSE NUCLEAR FACILI-**
4 **TIES SAFETY BOARD.**

5 (a) STAFF.—

6 (1) SENSE OF CONGRESS.—It is the sense of
7 Congress that the Defense Nuclear Facilities Safety
8 Board is not adequately staffed, particularly given
9 the ongoing increase in defense nuclear activities
10 during the decade following the date of the enact-
11 ment of this Act.

12 (2) EXECUTIVE DIRECTOR OF OPERATIONS.—

13 (A) ESTABLISHMENT OF POSITION.—Sub-
14 section (b) of section 313 of the Atomic Energy
15 Act of 1954 (42 U.S.C. 2286b) is amended by
16 adding at the end the following new paragraph:

17 “(3)(A) The Board shall have an Executive Director
18 of Operations who shall be appointed under section
19 311(c)(7).

20 “(B) The Executive Director of Operations shall re-
21 port to the Chairman.

22 “(C) The Executive Director of Operations shall be
23 the senior employee of the Board responsible for—

24 “(i) general administration and technical mat-
25 ters;

1 “(ii) ensuring that the members of the Board
2 are fully and currently informed with respect to mat-
3 ters for which the members are responsible; and

4 “(iii) the functions delegated by the Chairman
5 pursuant to section 311(c)(3)(B).”.

6 (B) DELEGATION OF FUNCTIONS.—Para-
7 graph (3) of section 311(c) of such Act (42
8 U.S.C. 2286(c)) is amended—

9 (i) by striking “The Chairman” and
10 inserting “(A) The Chairman”; and

11 (ii) by adding at the end the following
12 new subparagraph:

13 “(B) In carrying out subparagraph (A), the Chair-
14 man shall delegate to the Executive Director of Operations
15 established under section 313(b)(3) the following func-
16 tions:

17 “(i) Administrative functions of the Board.

18 “(ii) Appointment and supervision of employees
19 of the Board not specified under paragraph (7).

20 “(iii) Distribution of business among the em-
21 ployees and administrative units and offices of the
22 Board.

23 “(iv) Preparation of—

24 “(I) proposals for the reorganization of the
25 administrative units or offices of the Board;

1 “(II) the budget estimate for the Board;
2 and

3 “(III) the proposed distribution of funds
4 according to purposes approved by the Board.”.

5 (3) APPOINTMENT AND REMOVAL POWERS.—
6 Paragraph (7) of such section 311(c) is amended to
7 read as follows:

8 “(7)(A) The Chairman, subject to the approval of the
9 Board, shall appoint the senior employees described in
10 subparagraph (C). Any member of the Board may propose
11 to the Chairman an individual to be so appointed.

12 “(B) The Chairman, subject to the approval of the
13 Board, may remove a senior employee described in sub-
14 paragraph (C). Any member of the Board may propose
15 to the Chairman an individual to be so removed.

16 “(C) The senior employees described in this subpara-
17 graph are the following senior employees of the Board:

18 “(i) The Executive Director of Operations es-
19 tablished under section 313(b)(3).

20 “(ii) The general counsel.”.

21 (4) FULL-TIME EQUIVALENT PERSONNEL LEV-
22 ELS.—Section 313(b)(1)(A) of such Act (42 U.S.C.
23 2286b(b)(1)(A)) is amended by striking “but not”
24 and all that follows through the semicolon and in-
25 serting “but not fewer than the equivalent of 110

1 full-time employees and not more than the equiva-
2 lent of 130 full-time employees;”.

3 (b) PUBLIC HEALTH AND SAFETY.—Section 312(a)
4 of such Act (42 U.S.C. 2286a(a)) is amended by inserting
5 before the period at the end the following: “, including
6 with respect to the health and safety of employees and
7 contractors at such facilities”.

8 (c) ACCESS TO FACILITIES, PERSONNEL, AND INFOR-
9 MATION.—Section 314 of such Act (42 U.S.C. 2286c) is
10 amended—

11 (1) in subsection (a)—

12 (A) by striking “The Secretary of Energy”
13 and inserting “Except as specifically provided
14 by this section, the Secretary of Energy”;

15 (B) by striking “ready access” both places
16 it appears and inserting “prompt and unfet-
17 tered access”; and

18 (C) by adding at the end the following new
19 sentence: “The access provided to facilities, per-
20 sonnel, and information under this subsection
21 shall be provided without regard to the hazard
22 or risk category assigned to a facility by the
23 Secretary.”; and

24 (2) by striking subsection (b) and inserting the
25 following new subsections:

1 “(b) AUTHORITY OF SECRETARY DENY INFORMA-
2 TION.—The Secretary may only deny access to informa-
3 tion pursuant to subsection (a)—

4 “(1) to any person who—

5 “(A) has not been granted an appropriate
6 security clearance or access authorization by
7 the Secretary; or

8 “(B) does not need such access in connec-
9 tion with the duties of such person; or

10 “(2) if such denial is authorized by a provision
11 of Federal law that specifically limits the right of
12 the Board to access such information.

13 “(c) APPLICATION OF NONDISCLOSURE PROTEC-
14 TIONS BY BOARD.—The Board may not publicly disclose
15 information provided under this section if such informa-
16 tion is otherwise protected from disclosure by law, includ-
17 ing deliberative process information.”.

18 **TITLE XXXIV—NAVAL**
19 **PETROLEUM RESERVES**

20 **SEC. 3401. AUTHORIZATION OF APPROPRIATIONS.**

21 (a) AMOUNT.—There are hereby authorized to be ap-
22 propriated to the Secretary of Energy \$14,000,000 for fis-
23 cal year 2020 for the purpose of carrying out activities
24 under chapter 869 of title 10, United States Code, relating
25 to the naval petroleum reserves.

1 (b) PERIOD OF AVAILABILITY.—Funds appropriated
2 pursuant to the authorization of appropriations in sub-
3 section (a) shall remain available until expended.

4 **TITLE XXXV—MARITIME**
5 **MATTERS**

6 **Subtitle A—Maritime**
7 **Administration**

8 **SEC. 3501. AUTHORIZATION OF THE MARITIME ADMINIS-**
9 **TRATION.**

10 There are authorized to be appropriated to the De-
11 partment of Transportation for fiscal year 2020, to be
12 available without fiscal year limitation if so provided in
13 appropriations Acts, for programs associated with main-
14 taining the United States merchant marine, the following
15 amounts:

16 (1) For expenses necessary for operations of the
17 United States Merchant Marine Academy,
18 \$81,944,000, of which—

19 (A) \$77,944,000 shall be for Academy op-
20 erations; and

21 (B) \$4,000,000 shall remain available until
22 expended for capital asset management at the
23 Academy.

24 (2) For expenses necessary to support the State
25 maritime academies, \$38,480,000, of which—

1 (A) \$2,400,000 shall remain available until
2 September 30, 2020, for the Student Incentive
3 Program;

4 (B) \$30,080,000 shall remain available
5 until expended for maintenance and repair of
6 State maritime academy training vessels; and

7 (C) \$6,000,000 shall remain available until
8 expended for direct payments to such acad-
9 emies.

10 (3) For expenses necessary to support the Na-
11 tional Security Multi-Mission Vessel Program,
12 \$300,000,000, which shall remain available until ex-
13 pended.

14 (4) For expenses necessary to support Maritime
15 Administration operations and programs,
16 \$53,273,000.

17 (5) For expenses necessary to dispose of vessels
18 in the National Defense Reserve Fleet, \$5,000,000,
19 which shall remain available until expended.

20 (6) For expenses necessary to maintain and
21 preserve a United States flag merchant marine to
22 serve the national security needs of the United
23 States under chapter 531 of title 46, United States
24 Code, \$300,000,000.

1 (7) For expenses necessary for the loan guar-
2 antee program authorized under chapter 537 of title
3 46, United States Code, \$33,000,000, of which—

4 (A) \$30,000,000 may be used for the cost
5 (as defined in section 502(5) of the Federal
6 Credit Reform Act of 1990 (2 U.S.C. 661a(5)))
7 of loan guarantees under the program; and

8 (B) \$3,000,000 may be used for adminis-
9 trative expenses relating to loan guarantee com-
10 mitments under the program.

11 (8) For expenses necessary to provide small
12 shipyards and maritime communities grants under
13 section 54101 of title 46, United States Code,
14 \$35,000,000.

15 **SEC. 3502. REAUTHORIZATION OF MARITIME SECURITY**
16 **PROGRAM.**

17 (a) AWARD OF OPERATING AGREEMENTS.—Section
18 53103 of title 46, United States Code, is amended by
19 striking “2025” each place it appears and inserting
20 “2035”.

21 (b) EFFECTIVENESS OF OPERATING AGREE-
22 MENTS.—Section 53104(a) of title 46, United States
23 Code, is amended by striking “2025” and inserting
24 “2035”.

1 (c) PAYMENTS.—Section 53106(a)(1) of title 46,
2 United States Code, is amended—

3 (1) in subparagraph (B), by striking “and”;

4 (2) in subparagraph (C), by striking
5 “\$3,700,000 for each of fiscal years 2022, 2023,
6 2024, and 2025.” and inserting “\$5,300,000 for
7 each of fiscal years 2022, 2023, 2024, and 2025;
8 and”; and

9 (3) by adding at the end the following new sub-
10 paragraphs:

11 “(D) \$5,800,000 for each of fiscal years
12 2026, 2027, and 2028;

13 “(E) \$6,300,000 for each of fiscal years
14 2029, 2030, and 2031; and

15 “(F) \$6,800,000 for each of fiscal years
16 2032, 2033, 2034, and 2035.”.

17 (d) AUTHORIZATION OF APPROPRIATIONS.—Section
18 53111 of title 46, United States Code, is amended—

19 (1) in paragraph (2), by striking “and”;

20 (2) in paragraph (3), by striking
21 “\$222,000,000 for each fiscal year thereafter
22 through fiscal year 2025.” and inserting
23 “\$318,000,000 for each of fiscal years 2022, 2023,
24 2024, and 2025;”; and

1 (3) by adding at the end the following new
2 paragraphs:

3 “(4) \$348,000,000 for each of fiscal years
4 2026, 2027, and 2028;

5 “(5) \$378,000,000 for each of fiscal years
6 2029, 2030, and 2031; and

7 “(6) \$408,000,000 for each of fiscal years
8 2032, 2033, 2034, and 2035.”.

9 **SEC. 3503. MARITIME OCCUPATIONAL SAFETY AND HEALTH**
10 **ADVISORY COMMITTEE.**

11 Section 7 of the Occupational Safety and Health Act
12 of 1970 (29 U.S.C. 656) is amended by adding at the end
13 the following:

14 “(d) There is established a Maritime Occupational
15 Safety and Health Advisory Committee, which shall be a
16 continuing body and shall provide advice to the Secretary
17 in formulating maritime industry standards and regarding
18 matters pertaining to the administration of this Act re-
19 lated to the maritime industry. The composition of such
20 advisory committee shall be consistent with the advisory
21 committees established under subsection (b). A member
22 of the advisory committee who is otherwise qualified may
23 continue to serve until a successor is appointed. The Sec-
24 retary may promulgate or amend regulations as necessary
25 to implement this subsection.”.

1 **Subtitle B—Tanker Security Fleet**

2 **SEC. 3511. TANKER SECURITY FLEET.**

3 (a) IN GENERAL.—Subtitle VII of title 46, United
4 States Code, is amended by adding at the end the fol-
5 lowing:

6 **“CHAPTER 707—TANKER SECURITY FLEET**

“70701. Definitions.

“70702. Establishment of the Tanker Security Fleet.

“70703. Vessel standards.

“70704. Award of operating agreements.

“70705. Effectiveness of operating agreements.

“70706. Obligations and rights under operating agreements.

“70707. Payments.

“70708. National security requirements.

“70709. Regulatory relief.

“70710. Special rule regarding age of participating Fleet vessels.

“70711. Regulations.

“70712. Authorization of appropriations.

“70713. Acquisition of Fleet vessels.

7 **“§ 70701. Definitions**

8 “In this chapter:

9 “(1) FOREIGN COMMERCE.—The term ‘foreign
10 commerce’ means—

11 “(A) commerce or trade between the
12 United States, its territories or possessions, or
13 the District of Columbia, and a foreign country;
14 and

15 “(B) commerce or trade between foreign
16 countries including trade between foreign ports
17 in accordance with normal commercial bulk
18 shipping practices in such a manner as will per-
19 mit vessels of the United States freely to com-

1 pete with foreign-flag liquid bulk carrying ves-
2 sels in their operation or in competing charters,
3 subject to rules and regulations promulgated by
4 the Secretary of Transportation pursuant to
5 this chapter or subtitle.

6 “(2) PARTICIPATING FLEET VESSEL.—The
7 term ‘participating Fleet vessel’ means any tank ves-
8 sel covered by an operating agreement under this
9 chapter on or after January 1, 2021.

10 “(3) PERSON.—The term ‘person’ includes cor-
11 porations, partnerships, and associations existing
12 under, or authorized by, laws of the United States,
13 or any State, territory, district, or possession there-
14 of, or any foreign country.

15 “(4) TANK VESSEL.—The term ‘tank vessel’
16 has the meaning that term has under section 2101
17 of this title.

18 “(5) UNITED STATES CITIZEN TRUST.—The
19 term ‘United States citizen trust’—

20 “(A) means a trust for which—

21 “(i) each of the trustees is a citizen of
22 the United States; and

23 “(ii) the application for documenta-
24 tion of the vessel under chapter 121 of this
25 title includes an affidavit of each trustee

1 stating that the trustee is not aware of any
2 reason involving a beneficiary of the trust
3 that is not a citizen of the United States,
4 or involving any other person who is not a
5 citizen of the United States, as a result of
6 which the beneficiary or other person
7 would hold more than 25 percent of the
8 aggregate power to influence or limit the
9 exercise of the authority of the trustee with
10 respect to matters involving any ownership
11 or operation of the vessel that may ad-
12 versely affect the interests of the United
13 States;

14 “(B) does not include a trust for which
15 any person that is not a citizen of the United
16 States has authority to direct, or participate in
17 directing, a trustee for a trust in matters in-
18 volving any ownership or operation of the vessel
19 that may adversely affect the interests of the
20 United States or in removing a trustee without
21 cause, either directly or indirectly through the
22 control of another person, unless the trust in-
23 strument provides that persons who are not citi-
24 zens of the United States may not hold more

1 than 25 percent of the aggregate authority to
2 so direct or remove a trustee; and

3 “(C) may include a trust for which a per-
4 son who is not a citizen of the United States
5 holds more than 25 percent of the beneficial in-
6 terest in the trust.

7 **“§ 70702. Establishment of the Tanker Security Fleet**

8 “(a) IN GENERAL.—The Secretary of Transpor-
9 tation, in consultation with the Secretary of Defense, shall
10 establish a fleet of active, commercially viable, militarily
11 useful, privately owned product tankers to meet national
12 defense and other security requirements and maintain a
13 United States presence in international commercial ship-
14 ping. The fleet shall consist of privately owned vessels of
15 the United States for which there are in effect operating
16 agreements under this chapter, and shall be known as the
17 ‘Tanker Security Fleet’ (hereinafter in this chapter re-
18 ferred to as the ‘Fleet’).

19 “(b) VESSEL ELIGIBILITY.—A vessel is eligible to be
20 included in the Fleet if the vessel—

21 “(1) meets the requirements under paragraph
22 (1), (2), (3), or (4) of subsection (c);

23 “(2) is operated (or in the case of a vessel to
24 be constructed, will be operated) in providing trans-
25 portation in United States foreign commerce;

1 “(3) is self-propelled;

2 “(4) is not more than ten years of age on the
3 date the vessel is first included in the Fleet and not
4 more than 25 years of age at any time during which
5 the vessel is included in the Fleet;

6 “(5) is determined by the Secretary of Defense
7 to be suitable for use by the United States for na-
8 tional defense or military purposes in time of war or
9 national emergency; and

10 “(6) is commercially viable, as determined by
11 the Secretary of Transportation; and

12 “(7) is—

13 “(A) a vessel of the United States; or

14 “(B) not a vessel of the United States,
15 but—

16 “(i) the owner of the vessel has dem-
17 onstrated an intent to have the vessel doc-
18 umented under chapter 121 of this title if
19 it is included in the Fleet; and

20 “(ii) at the time an operating agree-
21 ment is entered into under this chapter,
22 the vessel is eligible for documentation
23 under chapter 121 of this title.

24 “(c) REQUIREMENTS REGARDING CITIZENSHIP OF
25 OWNERS, CHARTERERS, AND OPERATORS.—

1 “(1) VESSELS OWNED AND OPERATED BY SEC-
2 TION 50501 CITIZENS.—A vessel meets the require-
3 ments of this paragraph if, during the period of an
4 operating agreement under this chapter that applies
5 to the vessel, the vessel will be owned and operated
6 by one or more persons that are citizens of the
7 United States under section 50501 of this title.

8 “(2) VESSELS OWNED BY A SECTION 50501 CIT-
9 IZEN, OR UNITED STATES CITIZEN TRUST, AND
10 CHARTERED TO A DOCUMENTATION CITIZEN.—A
11 vessel meets the requirements of this paragraph if—

12 “(A) during the period of an operating
13 agreement under this chapter that applies to
14 the vessel, the vessel will be—

15 “(i) owned by a person that is a cit-
16 izen of the United States under section
17 50501 of this title or that is a United
18 States citizen trust; and

19 “(ii) demise chartered to a person—

20 “(I) that is eligible to document
21 the vessel under chapter 121 of this
22 title;

23 “(II) the chairman of the board
24 of directors, chief executive officer,
25 and a majority of the members of the

1 board of directors of which are citi-
2 zens of the United States under sec-
3 tion 50501 of this title, and are ap-
4 pointed and subjected to removal only
5 upon approval by the Secretary; and

6 “(III) that certifies to the Sec-
7 retary that there are no treaties, stat-
8 utes, regulations, or other laws that
9 would prohibit the owner or operator
10 for the vessel from performing its ob-
11 ligations under an operating agree-
12 ment under this chapter;

13 “(B) in the case of a vessel that will be de-
14 mise chartered to a person that is owned or
15 controlled by another person that is not a cit-
16 izen of the United States under section 50501
17 of this title, the other person enters into an
18 agreement with the Secretary not to influence
19 the operation of the vessel in a manner that will
20 adversely affect the interests of the United
21 States; and

22 “(C) the Secretary of Transportation and
23 the Secretary of Defense notify the Committee
24 on Armed Services and the Committee on Com-
25 merce, Science, and Transportation of the Sen-

1 ate and the Committee on Armed Services and
2 the Committee on Transportation and Infra-
3 structure of the House of Representatives that
4 the Secretaries concur with the certification re-
5 quired under subparagraph (A)(ii)(III), and
6 have reviewed and agree that there are no legal,
7 operational, or other impediments that would
8 prohibit the owner or operator for the vessel
9 from performing its obligations under an oper-
10 ating agreement under this chapter.

11 “(3) VESSELS OWNED AND OPERATED BY A DE-
12 FENSE OWNER OR OPERATOR.—A vessel meets the
13 requirements of this paragraph if—

14 “(A) during the period of an operating
15 agreement under this chapter that applies to
16 the vessel, the vessel will be owned and oper-
17 ated by a person that—

18 “(i) is eligible to document a vessel
19 under chapter 121 of this title;

20 “(ii) operates or manages other ves-
21 sels of the United States for the Secretary
22 of Defense, or charters other vessels to the
23 Secretary of Defense;

1 “(iii) has entered into a special secu-
2 rity agreement for the purpose of this
3 paragraph with the Secretary of Defense;

4 “(iv) makes the certification described
5 in paragraph (2)(A)(ii)(III); and

6 “(v) in the case of a vessel described
7 in paragraph (2)(B), enters into an agree-
8 ment referred to in that subparagraph; and

9 “(B) the Secretary of Transportation and
10 the Secretary of Defense notify the Committee
11 on Armed Services and the Committee on Com-
12 merce, Science, and Transportation of the Sen-
13 ate and the Committee on Armed Services and
14 the Committee on Transportation and Infra-
15 structure of the House of Representatives that
16 they concur with the certification required
17 under subparagraph (A)(iv), and have reviewed
18 and agree that there are no legal, operational,
19 or other impediments that would prohibit the
20 owner or operator for the vessel from per-
21 forming its obligations under an operating
22 agreement under this chapter.

23 “(4) VESSELS OWNED BY DOCUMENTATION
24 CITIZENS AND CHARTERED TO SECTION 50501 CITI-
25 ZENS.—A vessel meets the requirements of this

1 paragraph if, during the period of an operating
2 agreement under this chapter, the vessel will be—

3 “(A) owned by a person who is eligible to
4 document a vessel under chapter 121 of this
5 title; and

6 “(B) demise chartered to a person that is
7 a citizen of the United States under section
8 50501 of this title.

9 “(d) REQUEST BY SECRETARY OF DEFENSE.—The
10 Secretary of Defense shall request that the Commandant
11 of the Coast Guard issue any waiver under section 501
12 of this title that the Secretary of Defense determines is
13 necessary for purposes of this chapter.

14 “(e) VESSEL STANDARDS.—

15 “(1) CERTIFICATE OF INSPECTION.—A vessel
16 used to provide oceangoing transportation that the
17 Commandant of the Coast Guard determines meets
18 the criteria of subsection (b) but which, on the date
19 of enactment of this section, is not documented
20 under chapter 121 of this title, shall be eligible for
21 a certificate of inspection if the Commandant of the
22 Coast Guard determines that—

23 “(A) the vessel is classed by and designed
24 in accordance with the rules of the American
25 Bureau of Shipping, or another classification

1 society accepted by the Commandant of the
2 Coast Guard;

3 “(B) the vessel complies with applicable
4 international agreements and associated guide-
5 lines, as determined by the country in which the
6 vessel was documented immediately before be-
7 coming documented under chapter 121 of this
8 title; and

9 “(C) the country has not been identified by
10 the Commandant of the Coast Guard as inad-
11 equately enforcing international vessel regula-
12 tions as to that vessel.

13 “(2) RELIANCE ON CLASSIFICATION SOCIETY.—

14 “(A) IN GENERAL.—The Commandant of
15 the Coast Guard may rely on a certification
16 from the American Bureau of Shipping or, sub-
17 ject to subparagraph (B), another classification
18 society accepted by the Commandant of the
19 Coast Guard, to establish that a vessel is in
20 compliance with the requirements of paragraph
21 (1).

22 “(B) FOREIGN CLASSIFICATION SOCI-
23 ETY.—The Secretary may accept certification
24 from a foreign classification society under sub-
25 paragraph (A) only—

1 “(i) to the extent that the government
2 of the foreign country in which the society
3 is headquartered provides access on a re-
4 ciprocal basis to the American Bureau of
5 Shipping; and

6 “(ii) if the foreign classification soci-
7 ety has offices and maintains records in
8 the United States.

9 **“§ 70703. Vessel standards**

10 “(a) CERTIFICATE OF INSPECTION.—A vessel used to
11 provide transportation service as a common carrier that
12 the Secretary of Transportation determines meets the cri-
13 teria of section 53102(b) of this title, which on the date
14 of enactment of this section is not a documented vessel
15 (as that term is defined in section 106 of this title), shall
16 be eligible for a certificate of inspection if the Secretary
17 determines that—

18 “(1) the vessel is classed by and designed in ac-
19 cordance with the rules of the American Bureau of
20 Shipping or another classification society accepted
21 by the Secretary;

22 “(2) the vessel complies with applicable inter-
23 national agreements and associated guidelines, as
24 determined by the country in which the vessel was

1 documented immediately before becoming a docu-
2 mented vessel (as defined in that section); and

3 “(3) that country has not been identified by the
4 Secretary as inadequately enforcing international
5 vessel regulations as to that vessel.

6 “(b) CONTINUED ELIGIBILITY FOR CERTIFICATE.—
7 Subsection (a) does not apply to any vessel that has failed
8 to comply with the applicable international agreements
9 and association guidelines referred to in subsection (a)(2).

10 “(c) RELIANCE ON CLASSIFICATION SOCIETY.—

11 “(1) IN GENERAL.—The Secretary may rely on
12 a certification from the American Bureau of Ship-
13 ping or, subject to paragraph (2), another classifica-
14 tion society accepted by the Secretary, to establish
15 that a vessel is in compliance with the requirements
16 of subsections (a) and (b).

17 “(2) FOREIGN CLASSIFICATION SOCIETY.—The
18 Secretary may accept certification from a foreign
19 classification society under paragraph (1) only—

20 “(A) to the extent that the government of
21 the foreign country in which the society is
22 headquartered provides access on a reciprocal
23 basis to the American Bureau of Shipping; and

1 “(B) if the foreign classification society
2 has offices and maintains records in the United
3 States.

4 **“§ 70704. Award of operating agreements**

5 “(a) IN GENERAL.—The Secretary of Transportation
6 shall require, as a condition of including any vessel in the
7 Fleet, that the owner or operator of the vessel enter into
8 an operating agreement with the Secretary under this sec-
9 tion.

10 “(b) PROCEDURE FOR APPLICATIONS.—

11 “(1) PARTICIPATING FLEET VESSELS.—

12 “(A) IN GENERAL.—The Secretary of
13 Transportation shall accept an application for
14 an operating agreement for a participating
15 Fleet vessel under the priority under paragraph
16 (2) only from a person that has authority to
17 enter into an operating agreement under this
18 chapter.

19 “(B) VESSEL UNDER DEMISE CHARTER.—

20 For purposes of subparagraph (A), in the case
21 of a vessel that is subject to a demise charter
22 that terminates by its own terms on September
23 30, 2035 (without giving effect to any extension
24 provided therein for completion of a voyage or
25 to effect the actual redelivery of the vessel), or

1 that is terminable at the will of the owner of
2 the vessel after such date, only the owner of the
3 vessel shall be treated as having the authority
4 referred to in subparagraph (A).

5 “(C) VESSEL OWNED BY A UNITED STATES
6 CITIZEN TRUST.—For purposes of subpara-
7 graph (B), in the case of a vessel owned by a
8 United States citizen trust, the term ‘owner of
9 the vessel’ includes the beneficial owner of the
10 vessel with respect to such trust.

11 “(2) DISCRETION WITHIN PRIORITY.—The Sec-
12 retary of Transportation—

13 “(A) may award operating agreements
14 under paragraph (1) according to such prior-
15 ities as the Secretary considers appropriate; and

16 “(B) shall award operating agreements
17 within any such priority—

18 “(i) in accordance with operational re-
19 quirements specified by the Secretary of
20 Defense;

21 “(ii) in the case of operating agree-
22 ments awarded under subparagraph (B) of
23 paragraph (1), according to applicants’
24 records of owning and operating vessels;
25 and

1 “(iii) subject to approval of the Sec-
2 retary of Defense.

3 “(c) LIMITATION.—For any fiscal year, the Secretary
4 may not award operating agreements under this chapter
5 that require payments under section 70707 of this title
6 for more than 10 vessels.

7 **“§ 70705. Effectiveness of operating agreements**

8 “(a) IN GENERAL.—Subject to the availability of ap-
9 propriations for such purpose, the Secretary of Transpor-
10 tation may enter into an operating agreement under this
11 chapter for fiscal year 2021 and any subsequent fiscal
12 year. Each such agreement may be renewed annually for
13 up to seven years.

14 “(b) VESSELS UNDER CHARTER TO THE UNITED
15 STATES.—The owner or operator of a vessel under charter
16 to the United States is eligible to receive payments pursu-
17 ant to any operating agreement that covers such vessel.

18 “(c) TERMINATION.—

19 “(1) TERMINATION BY SECRETARY FOR LACK
20 OF OWNER OR OPERATOR COMPLIANCE.—If the
21 owner or operator with respect to an operating
22 agreement materially fails to comply with the terms
23 of the agreement—

24 “(A) the Secretary shall notify the owner
25 or operator and provide a reasonable oppor-

1 tunity to comply with the operating agreement;
2 and

3 “(B) the Secretary shall terminate the op-
4 erating agreement if the owner or operator fails
5 to achieve such compliance.

6 “(2) TERMINATION BY OWNER OR OPER-
7 ATOR.—

8 “(A) IN GENERAL.—If an owner or oper-
9 ator provides notice of the intent to terminate
10 an operating agreement under this chapter on
11 a date specified by not later than 60 days prior
12 to such date, such agreement shall terminate on
13 the date specified by the owner or operator.

14 “(B) REPLACEMENT.—An operating agree-
15 ment with respect to a vessel shall terminate on
16 the date that is three years after the date on
17 which the vessel begins operating under the
18 agreement, if—

19 “(i) the owner or operator notifies the
20 Secretary, by not later than two years
21 after the date the vessel begins operating
22 under the agreement, that the owner or op-
23 erator intends to terminate the agreement
24 under this subparagraph; and

1 “(ii) the Secretary of Transportation,
2 in coordination with the Secretary of De-
3 fense, determines that—

4 “(I) an application for an oper-
5 ating agreement under this chapter
6 has been received for a replacement
7 vessel that is acceptable to the Secre-
8 taries; and

9 “(II) during the period of an oper-
10 ating agreement under this chapter
11 that applies to the replacement vessel,
12 the replacement vessel will be—

13 “(aa) owned and operated
14 by one or more persons that are
15 citizens of the United States
16 under section 50501 of this title;
17 or

18 “(bb) owned by a person
19 who is eligible to document the
20 vessel under chapter 121 of this
21 title, and operated by a person
22 that is a citizen of the United
23 States under section 50501 of
24 this title.

25 “(d) NONRENEWAL FOR LACK OF FUNDS.—

1 “(1) IN GENERAL.—If sufficient funds are not
2 made available to carry out an operating agreement
3 under this chapter—

4 “(A) the Secretary of Transportation shall
5 submit to the Committee on Armed Services
6 and the Committee on Commerce, Science, and
7 Transportation of the Senate and the Com-
8 mittee on Armed Services and the Committee
9 on Transportation and Infrastructure of the
10 House of Representatives notice that such
11 agreement shall be not renewed effective on the
12 60th day of the fiscal year, unless such funds
13 are made available before such day; and

14 “(B) effective on the 60th day of such fis-
15 cal year, terminate such agreement and provide
16 notice of such termination to the owner or oper-
17 ator of the vessel covered by the agreement.

18 “(2) RELEASE OF VESSELS FROM OBLIGA-
19 TIONS.—If an operating agreement for a vessel
20 under this chapter is not renewed pursuant to para-
21 graph (1), then the owner or operator of the vessel
22 is released from any further obligation under the op-
23 erating agreement as of the date of such termination
24 or nonrenewal.

1 “(3) FOREIGN TRANSFER AND REGISTRA-
2 TION.—The owner or operator of a vessel covered by
3 an operating agreement under this chapter may
4 transfer and register such vessel under a foreign
5 registry that is acceptable to the Secretary and the
6 Secretary of Defense, notwithstanding section 70701
7 of this title.

8 “(4) REQUISITION.—If chapter 563 of this title
9 is applicable to a vessel after registration, then the
10 vessel is available to be requisitioned by the Sec-
11 retary pursuant to chapter 563 of this title.

12 **“§ 70706. Obligations and rights under operating**
13 **agreements**

14 “(a) OPERATION OF VESSEL.—An operating agree-
15 ment under this chapter shall require that, during the pe-
16 riod the vessel covered by the agreement is operating
17 under the agreement the vessel shall—

18 “(1) be operated in the United States foreign
19 commerce, mixed United States foreign commerce
20 and domestic trade allowed under a registry endorse-
21 ment issued under section 12111 of this title, for-
22 eign-to-foreign commerce, or under a charter to the
23 United States;

24 “(2) not be operated in the coastwise trade ex-
25 cept as described in paragraph (1); and

1 “(3) be documented under chapter 121 of this
2 title.

3 “(b) OPERATING AGREEMENT IS AN OBLIGATION OF
4 THE UNITED STATES GOVERNMENT.—An operating
5 agreement under this chapter constitutes a contractual ob-
6 ligation of the United States Government to pay the
7 amounts provided for in the agreement to the extent of
8 actual appropriations.

9 “(c) OBLIGATIONS OF OWNER OR OPERATOR.—

10 “(1) IN GENERAL.—The owner or operator of a
11 vessel covered by an operating agreement under this
12 chapter shall agree, as a condition of such agree-
13 ment, to remain obligated to carry out the require-
14 ments described in paragraph (2) until the termi-
15 nation date specified in the agreement, even in the
16 case of early termination of the agreement under
17 section 70705(c) of this title. This subsection shall
18 not apply in the case of an operating agreement ter-
19 minated for lack of funds under section 70705(d) of
20 this title.

21 “(2) REQUIREMENTS.—The requirements de-
22 scribed in this paragraph are the following:

23 “(A) To continue the documentation of the
24 vessel under chapter 121 of this title.

1 “(B) To be bound by the requirements of
2 section 70708 of this title.

3 “(C) That all terms and conditions of an
4 emergency preparedness agreement entered into
5 under section 70708 of this title shall remain in
6 effect, except that the terms of such emergency
7 preparedness agreement may be modified by the
8 mutual consent of the owner or operator, the
9 Secretary and the Secretary of Defense as pro-
10 vided in such section.

11 “(d) TRANSFER OF OPERATING AGREEMENTS.—The
12 owner or operator of a vessel covered by an operating
13 agreement under this chapter may transfer that agree-
14 ment (including all rights and obligations under the agree-
15 ment) to any person that is eligible to enter into that oper-
16 ating agreement under this chapter, if the transfer is ap-
17 proved by the Secretary of Transportation and the Sec-
18 retary of Defense.

19 “(e) REPLACEMENT OF VESSELS COVERED BY
20 AGREEMENTS.—A owner or operator may replace a vessel
21 covered by an operating agreement with another vessel
22 that is eligible to be included in the Fleet under section
23 70702(b), if the Secretary of Transportation, in coordina-
24 tion with the Secretary of Defense, approves the replace-

1 ment of the vessel. In selecting a replacement vessel, the
2 owner or operator shall give primary consideration to—

3 “(1) the commercial viability of the vessel;

4 “(2) the utility of the vessel with respect to the
5 operating requirements of the owner or operator;
6 and

7 “(3) ensuring that the commercial and military
8 utility of any replacement vessel is not less than that
9 of the initial vessel.

10 **“§ 70707. Payments**

11 “(a) ANNUAL PAYMENT.—Subject to the availability
12 of appropriations for such purpose and the other provi-
13 sions of this chapter, the Secretary shall pay to the owner
14 or operator of a vessel covered by an operating agreement
15 under this chapter an amount equal to \$6,000,000 for
16 each vessel covered by the agreement for each fiscal year
17 that the vessel is covered by the agreement. Such amount
18 shall be paid in equal monthly installments on the last day
19 of each month. The amount payable under this subsection
20 may not be reduced except as provided by this section.

21 “(b) CERTIFICATION REQUIRED FOR PAYMENT.—As
22 a condition of receiving payment under this section for a
23 fiscal year for a vessel, the owner or operator for the vessel
24 shall certify, in accordance with regulations issued by the
25 Secretary, that the vessel has been and will be operated

1 in accordance with section 70706 of this title for at least
2 320 days during the fiscal year. Days during which the
3 vessel is drydocked, surveyed, inspected, or repaired shall
4 be considered days of operation for purposes of this sub-
5 section.

6 “(c) GENERAL LIMITATIONS.—The Secretary may
7 not make any payment under this chapter for a vessel with
8 respect to any days for which the vessel is—

9 “(1) not operated or maintained in accordance
10 with an operating agreement under this chapter; or

11 “(2) more than 25 years of age.

12 “(d) REDUCTIONS IN PAYMENTS.—With respect to
13 payments under this chapter for a vessel covered by an
14 operating agreement, the Secretary—

15 “(1) except as provided in paragraph (2), may
16 not reduce such a payment for the operation of the
17 vessel to carry military or other preference cargoes
18 under section 55302(a), 55304, 55305, or 55314 of
19 this title, section 2631 of title 10, or any other cargo
20 preference law of the United States;

21 “(2) may not make such a payment for any day
22 that the vessel is engaged in transporting more than
23 7,500 tons of civilian bulk preference cargoes pursu-
24 ant to section 55302(a), 55305, or 55314 of this
25 title, section 901(a) or (b) of the Merchant Marine

1 Act, 1936 (46 App. U.S.C. 1241(a), 1241(b), or
2 1241(f)), that is bulk cargo; and

3 “(3) shall make a pro rata reduction for each
4 day less than 320 in a fiscal year that the vessel is
5 not operated in accordance with section 70706 of
6 this title.

7 “(e) LIMITATIONS REGARDING NONCONTIGUOUS DO-
8 MESTIC TRADE.—

9 “(1) IN GENERAL.—No owner or operator shall
10 receive payments pursuant to this chapter during a
11 period in which it participates in noncontiguous do-
12 mestic trade.

13 “(2) LIMITATION ON APPLICATION.—Paragraph
14 (1) shall not apply to a owner or operator that is a
15 citizen of the United States within the meaning of
16 section 50501 of this title, applying the 75 percent
17 ownership requirement of that section.

18 “(3) PARTICIPATES IN A NONCONTIGUOUS
19 TRADE DEFINED.—In this subsection the term ‘par-
20 ticipates in a noncontiguous domestic trade’ means
21 directly or indirectly owns, charters, or operates a
22 vessel engaged in transportation of cargo between a
23 point in the contiguous 48 States and a point in
24 Alaska, Hawaii, or Puerto Rico, other than a point
25 in Alaska north of the Arctic Circle.

1 **“§ 70708. National security requirements**

2 “(a) EMERGENCY PREPAREDNESS AGREEMENT RE-
3 QUIRED.—The Secretary of Transportation, in coordina-
4 tion with the Secretary of Defense, shall establish an
5 emergency preparedness program under this section under
6 which the owner or operator of a vessel covered by an op-
7 erating agreement under this chapter shall agree, as a
8 condition of the operating agreement, to enter into an
9 emergency preparedness agreement with the Secretaries.
10 Each such emergency preparedness agreement shall be en-
11 tered into as promptly as practicable after the owner or
12 operator has entered into the operating agreement.

13 “(b) TERMS OF AGREEMENT.—The terms of an
14 agreement under this section—

15 “(1) shall provide that upon request by the Sec-
16 retary of Defense during time of war or national
17 emergency, or whenever determined by the Secretary
18 of Defense to be necessary for national security or
19 contingency operation (as that term is defined in
20 section 101 of title 10), the owner or operator shall
21 make available commercial transportation resources
22 (including services) described in subsection (d) to
23 the Secretary of Defense;

24 “(2) shall include such additional terms as may
25 be established by the Secretary of Transportation
26 and the Secretary of Defense; and

1 “(3) shall allow for the modification or addition
2 of terms upon agreement by the Secretary of Trans-
3 portation and the owner or operator and the ap-
4 proval by the Secretary of Defense.

5 “(c) PARTICIPATION AFTER EXPIRATION OF OPER-
6 ATING AGREEMENT.—Except as provided by section
7 70706 of this title, the Secretary may not require, through
8 an emergency preparedness agreement or an operating
9 agreement, that an owner or operator of a vessel covered
10 by an operating agreement continue to participate in an
11 emergency preparedness agreement after the operating
12 agreement has expired according to its terms or is other-
13 wise no longer in effect. After the expiration of an emer-
14 gency preparedness agreement, a owner or operator may
15 voluntarily continue to participate in the agreement.

16 “(d) RESOURCES MADE AVAILABLE.—The commer-
17 cial transportation resources to be made available under
18 an emergency preparedness agreement shall include ves-
19 sels or capacity in vessels, terminal facilities, management
20 services, and other related services, or any agreed portion
21 of such nonvessel resources for activation as the Secretary
22 of Defense may determine to be necessary, seeking to min-
23 imize disruption of the owner or operator’s service to com-
24 mercial customers.

25 “(e) COMPENSATION.—

1 “(1) IN GENERAL.—Each emergency prepared-
2 ness agreement under this section shall provide that
3 the Secretary of Defense shall pay fair and reason-
4 able compensation for all commercial transportation
5 resources provided pursuant to this section.

6 “(2) SPECIFIC REQUIREMENTS.—Compensation
7 under this subsection—

8 “(A) shall not be less than the owner or
9 operator’s commercial market charges for like
10 transportation resources;

11 “(B) shall be fair and reasonable consid-
12 ering all circumstances;

13 “(C) shall be provided from the time that
14 a vessel or resource is required by the Secretary
15 of Defense until the time it is redelivered to the
16 owner or operator and is available to reenter
17 commercial service; and

18 “(D) shall be in addition to and shall not
19 in any way reflect amounts payable under sec-
20 tion 70707 of this title.

21 “(f) TEMPORARY REPLACEMENT VESSELS.—Not-
22 withstanding section 55302(a), 55304, 55305, or 55314
23 of this title, section 2631 of title 10, or any other cargo
24 preference law of the United States—

1 “(1) an owner or operator may operate or em-
2 ploy in foreign commerce a foreign-flag vessel or for-
3 eign-flag vessel capacity as a temporary replacement
4 for a vessel of the United States or vessel of the
5 United States capacity that is activated by the Sec-
6 retary of Defense under an emergency preparedness
7 agreement or a primary Department of Defense sea-
8 lift readiness program; and

9 “(2) such replacement vessel or vessel capacity
10 shall be eligible during the replacement period to
11 transport preference cargoes subject to sections
12 55302(a), 55304, 55305, and 55314 of this title and
13 section 2631 of title 10 to the same extent as the
14 eligibility of the vessel or vessel capacity replaced.

15 “(g) REDELIVERY AND LIABILITY OF THE UNITED
16 STATES FOR DAMAGES.—

17 “(1) IN GENERAL.—All commercial transpor-
18 tation resources activated under an emergency pre-
19 paredness agreement shall, upon termination of the
20 period of activation, be redelivered to the owner or
21 operator in the same good order and condition as
22 when received, less ordinary wear and tear, or the
23 Secretary of Defense shall fully compensate the
24 owner or operator for any necessary repair or re-
25 placement.

1 “(2) LIMITATION ON UNITED STATES LIABIL-
2 ITY.—Except as may be expressly agreed in an
3 emergency preparedness agreement, or as otherwise
4 provided by law, the Government shall not be liable
5 for disruption of an owner or operator’s commercial
6 business or other consequential damages to an owner
7 or operator arising from the activation of commer-
8 cial transportation resources under an emergency
9 preparedness agreement.

10 **“§ 70709. Regulatory relief**

11 “(a) OPERATION IN FOREIGN COMMERCE.—An
12 owner or operator for a vessel included in an operating
13 agreement under this chapter may operate the vessel in
14 the foreign commerce of the United States without restric-
15 tion.

16 “(b) OTHER RESTRICTIONS.—The restrictions of sec-
17 tion 55305(a) of this title concerning the building, rebuild-
18 ing, or documentation of a vessel in a foreign country shall
19 not apply to a vessel for any day the operator of the vessel
20 is receiving payments for the operation of that vessel
21 under an operating agreement under this chapter.

22 “(c) TELECOMMUNICATIONS EQUIPMENT.—The tele-
23 communications and other electronic equipment on an ex-
24 isting vessel that is redocumented under the laws of the
25 United States for operation under an operating agreement

1 under this chapter shall be deemed to satisfy all Federal
2 Communications Commission equipment certification re-
3 quirements, if—

4 “(1) such equipment complies with all applica-
5 ble international agreements and associated guide-
6 lines as determined by the country in which the ves-
7 sel was documented immediately before becoming
8 documented under the laws of the United States;

9 “(2) that country has not been identified by the
10 Secretary as inadequately enforcing international
11 regulations as to that vessel; and

12 “(3) at the end of its useful life, such equip-
13 ment shall be replaced with equipment that meets
14 Federal Communications Commission equipment
15 certification standards.

16 **“§ 70710. Special rule regarding age of participating**
17 **Fleet vessels**

18 “Any age restriction under section 70702(b)(4) of
19 this title shall not apply to a participating Fleet vessel
20 during the 30-month period beginning on the date the ves-
21 sel begins operating under an operating agreement under
22 this chapter, if the Secretary of Transportation determines
23 that the owner or operator of the vessel has entered into
24 an arrangement to obtain and operate under the operating
25 agreement for the participating Fleet vessel a replacement

1 vessel that, upon commencement of such operation, will
2 be eligible to be included in the Fleet under section
3 70702(b) of this title.

4 **“§ 70711. Regulations**

5 “The Secretary of Transportation and the Secretary
6 of Defense may each prescribe rules as necessary to carry
7 out their respective responsibilities under this chapter.

8 **“§ 70712. Authorization of appropriations**

9 “There is authorized to be appropriated for payments
10 under section 70707, \$60,000,000 for each of fiscal years
11 2021 through 2035, to remain available until expended.

12 **“§ 70713. Acquisition of Fleet vessels**

13 “(a) IN GENERAL.—Upon replacement of a Fleet
14 Vessel under an operating agreement under this chapter,
15 and subject to agreement by the owner or operator of the
16 vessel, the Secretary of Transportation is authorized, sub-
17 ject to the concurrence of the Secretary of Defense, to ac-
18 quire the vessel being replaced for inclusion in the Na-
19 tional Defense Reserve Fleet.

20 “(b) REQUIREMENTS.—To be eligible for acquisition
21 by the Secretary of Transportation under this section a
22 vessel shall—

23 “(1) have been covered by an operating agree-
24 ment under this chapter for not less than three
25 years; and

1 “(2) meet recapitalization requirements for the
2 Ready Reserve Force.

3 “(c) FAIR MARKET VALUE.—A fair market value
4 shall be established by the Maritime Administration for
5 acquisition of an eligible vessel under this section.

6 “(d) APPROPRIATIONS.—Vessel acquisitions under
7 this section shall be subject to the availability of appro-
8 priations. Amounts made available to carry out this sec-
9 tion shall be derived from amounts authorized to be appro-
10 priated for the National Defense Reserve Fleet. Amounts
11 authorized to be appropriated to carry out the Maritime
12 Security Program may not be use to carry out this sec-
13 tion.”.

14 (b) CLERICAL AMENDMENT.—The table of chapters
15 for subtitle VII of title 46, United States Code, is amend-
16 ed by adding at the end the following:

“707. Tanker Security Fleet 70701”.

17 (c) DEADLINE FOR ACCEPTING APPLICATIONS.—

18 (1) IN GENERAL.—The Secretary of Transpor-
19 tation shall begin accepting applications for enroll-
20 ment of vessels in the Tanker Security Fleet estab-
21 lished under chapter 707 of title 46, United States
22 Code, as added by subsection (a), by not later than
23 30 days after the date of the enactment of this Act.

24 (2) APPROVAL.—Not later than 90 days after
25 receipt of an application for the enrollment of a ves-

1 sel in the Tanker Security Fleet, the Secretary, in
2 coordination with the Secretary of Defense shall—

3 (A) approve the application and enter into
4 an operating agreement with the applicant; or

5 (B) provide to the applicant a written ex-
6 planation for the denial of the application.

7 **DIVISION D—FUNDING TABLES**

8 **SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TA-** 9 **BLES.**

10 (a) **IN GENERAL.**—Whenever a funding table in this
11 division specifies a dollar amount authorized for a project,
12 program, or activity, the obligation and expenditure of the
13 specified dollar amount for the project, program, or activ-
14 ity is hereby authorized, subject to the availability of ap-
15 propriations.

16 (b) **MERIT-BASED DECISIONS.**—A decision to com-
17 mit, obligate, or expend funds with or to a specific entity
18 on the basis of a dollar amount authorized pursuant to
19 subsection (a) shall—

20 (1) be based on merit-based selection proce-
21 dures in accordance with the requirements of sec-
22 tions 2304(k) and 2374 of title 10, United States
23 Code, or on competitive procedures; and

24 (2) comply with other applicable provisions of
25 law.

1 (c) RELATIONSHIP TO TRANSFER AND PROGRAM-
 2 MING AUTHORITY.—An amount specified in the funding
 3 tables in this division may be transferred or repro-
 4 grammed under a transfer or reprogramming authority
 5 provided by another provision of this Act or by other law.
 6 The transfer or reprogramming of an amount specified in
 7 such funding tables shall not count against a ceiling on
 8 such transfers or reprogrammings under section 1001 or
 9 section 1512 of this Act or any other provision of law,
 10 unless such transfer or reprogramming would move funds
 11 between appropriation accounts.

12 (d) APPLICABILITY TO CLASSIFIED ANNEX.—This
 13 section applies to any classified annex that accompanies
 14 this Act.

15 (e) ORAL AND WRITTEN COMMUNICATIONS.—No
 16 oral or written communication concerning any amount
 17 specified in the funding tables in this division shall super-
 18 sede the requirements of this section.

19 TITLE XLI—PROCUREMENT

20 SEC. 4101. PROCUREMENT.

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
AIRCRAFT PROCUREMENT, ARMY			
FIXED WING			
002	UTILITY F/W AIRCRAFT	16,000	0
	Early to need		[-16,000]
004	RQ-11 (RAVEN)	23,510	21,510
	Unit cost growth		[-2,000]
ROTARY			
005	TACTICAL UNMANNED AIRCRAFT SYSTEM (TUAS)	12,100	12,100
007	HELICOPTER, LIGHT UTILITY (LUH)		11,000
	Program increase for sustainment improvements		[11,000]
008	AH-64 APACHE BLOCK IIIA REMAN	806,849	786,009
	Unjustified cost growth		[-20,840]
009	AH-64 APACHE BLOCK IIIA REMAN	190,870	174,970
	Unjustified cost growth		[-15,900]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
012	UH-60 BLACKHAWK M MODEL (MYP)	1,411,540	1,411,540
013	UH-60 BLACKHAWK M MODEL (MYP)	79,572	79,572
014	UH-60 BLACK HAWK L AND V MODELS	169,290	169,290
015	CH-47 HELICOPTER	140,290	131,290
	Unit cost growth		[-9,000]
016	CH-47 HELICOPTER	18,186	46,186
	Advanced procurement for CH-47F Block II		[28,000]
	MODIFICATION OF AIRCRAFT		
019	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS)	2,090	2,090
020	GRAY EAGLE MODS2	14,699	14,699
021	MULTI SENSOR ABN RECON (MIP)	35,189	35,189
022	AH-64 MODS	58,172	58,172
023	CH-47 CARGO HELICOPTER MODS (MYP)	11,785	6,785
	Unobligated balances		[-5,000]
024	GRCS SEMA MODS (MIP)	5,677	5,677
025	ARL SEMA MODS (MIP)	6,566	6,566
026	EMARSS SEMA MODS (MIP)	3,859	3,859
027	UTILITY/CARGO AIRPLANE MODS	15,476	13,476
	Unit cost discrepancy		[-2,000]
028	UTILITY HELICOPTER MODS	6,744	6,744
029	NETWORK AND MISSION PLAN	105,442	98,442
	Cost growth		[-7,000]
030	COMMS, NAV SURVEILLANCE	164,315	164,315
032	GATM ROLLUP	30,966	30,966
033	RQ-7 UAV MODS	8,983	38,983
	Program increase		[30,000]
034	UAS MODS	10,205	10,205
	GROUND SUPPORT AVIONICS		
035	AIRCRAFT SURVIVABILITY EQUIPMENT	52,297	52,297
036	SURVIVABILITY CM	8,388	8,388
037	CMWS	13,999	13,999
038	COMMON INFRARED COUNTERMEASURES (CIRCM)	168,784	168,784
	OTHER SUPPORT		
039	AVIONICS SUPPORT EQUIPMENT	1,777	1,777
040	COMMON GROUND EQUIPMENT	18,624	18,624
041	AIRCREW INTEGRATED SYSTEMS	48,255	48,255
042	AIR TRAFFIC CONTROL	32,738	32,738
044	LAUNCHER, 2.75 ROCKET	2,201	2,201
045	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	991	991
	TOTAL AIRCRAFT PROCUREMENT, ARMY	3,696,429	3,687,689
	MISSILE PROCUREMENT, ARMY		
	SURFACE-TO-AIR MISSILE SYSTEM		
001	SYSTEM INTEGRATION AND TEST PROCUREMENT	113,857	113,857
002	M-SHORAD—PROCUREMENT	103,800	56,800
	Early to need		[-47,000]
003	MSE MISSILE	698,603	698,603
004	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	9,337	9,337
	AIR-TO-SURFACE MISSILE SYSTEM		
006	HELLFIRE SYS SUMMARY	193,284	173,284
	Unit cost growth		[-20,000]
007	JOINT AIR-TO-GROUND MSLS (JAGM)	233,353	198,353
	Contract and schedule delays		[-35,000]
	ANTI-TANK/ASSAULT MISSILE SYS		
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	138,405	138,405
009	TOW 2 SYSTEM SUMMARY	114,340	110,340
	Unit cost growth		[-4,000]
010	TOW 2 SYSTEM SUMMARY	10,500	10,500
011	GUIDED MLRS ROCKET (GMLRS)	797,213	767,213
	Program adjustment		[-30,000]
012	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	27,555	27,555
014	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM	209,842	184,842
	Excess to need		[-25,000]
	MODIFICATIONS		
016	PATRIOT MODS	279,464	279,464
017	ATACMS MODS	85,320	80,320
	Unit cost growth		[-5,000]
018	GMLRS MOD	5,094	5,094
019	STINGER MODS	81,615	81,615
020	AVENGER MODS	14,107	14,107
021	ITAS/TOW MODS	3,469	3,469
022	MLRS MODS	39,019	39,019
023	HIMARS MODIFICATIONS	12,483	12,483
	SPARES AND REPAIR PARTS		
024	SPARES AND REPAIR PARTS	26,444	26,444
	SUPPORT EQUIPMENT & FACILITIES		
025	AIR DEFENSE TARGETS	10,593	10,593
	TOTAL MISSILE PROCUREMENT, ARMY	3,207,697	3,041,697

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
PROCUREMENT OF W&TCV, ARMY			
TRACKED COMBAT VEHICLES			
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	264,040	259,040
	Unit cost discrepancy		[-5,000]
MODIFICATION OF TRACKED COMBAT VEHICLES			
003	STRYKER (MOD)	144,387	393,587
	Accelerate Stryker medium caliber weapon system—Army unfunded priority ...		[249,200]
004	STRYKER UPGRADE	550,000	550,000
005	BRADLEY PROGRAM (MOD)	638,781	573,781
	Program delay		[-65,000]
006	M109 FOV MODIFICATIONS	25,756	25,756
007	PALADIN INTEGRATED MANAGEMENT (PIM)	553,425	553,425
009	ASSAULT BRIDGE (MOD)	2,821	2,821
010	ASSAULT BREACHER VEHICLE	31,697	31,697
011	M88 FOV MODS	4,500	4,500
012	JOINT ASSAULT BRIDGE	205,517	205,517
013	M1 ABRAMS TANK (MOD)	348,800	408,800
	Vehicle protection system for one armored brigade		[60,000]
014	ABRAMS UPGRADE PROGRAM	1,752,784	1,752,784
WEAPONS & OTHER COMBAT VEHICLES			
016	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S	19,420	19,420
017	GUN AUTOMATIC 30MM M230	20,000	20,000
019	MORTAR SYSTEMS	14,907	14,907
020	XM320 GRENADE LAUNCHER MODULE (GLM)	191	191
021	PRECISION SNIPER RIFLE	7,977	7,977
022	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM	9,860	9,860
023	CARBINE	30,331	30,331
024	SMALL ARMS—FIRE CONTROL	8,060	60
	Late contract award		[-8,000]
025	COMMON REMOTELY OPERATED WEAPONS STATION	24,007	24,007
026	HANDGUN	6,174	6,174
MOD OF WEAPONS AND OTHER COMBAT VEH			
028	MK-19 GRENADE MACHINE GUN MODS	3,737	3,737
029	M777 MODS	2,367	2,367
030	M4 CARBINE MODS	17,595	17,595
033	M240 MEDIUM MACHINE GUN MODS	8,000	8,000
034	SNIPER RIFLES MODIFICATIONS	2,426	2,426
035	M119 MODIFICATIONS	6,269	6,269
036	MORTAR MODIFICATION	1,693	1,693
037	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV)	4,327	4,327
SUPPORT EQUIPMENT & FACILITIES			
038	ITEMS LESS THAN \$5.0M (WOCV-WTCV)	3,066	3,066
039	PRODUCTION BASE SUPPORT (WOCV-WTCV)	2,651	2,651
	TOTAL PROCUREMENT OF W&TCV, ARMY	4,715,566	4,946,766
PROCUREMENT OF AMMUNITION, ARMY			
SMALL/MEDIUM CAL AMMUNITION			
001	CTG, 5.56MM, ALL TYPES	68,949	63,949
	Prior-year carryover		[-5,000]
002	CTG, 7.62MM, ALL TYPES	114,228	111,228
	Prior-year carryover		[-3,000]
003	CTG, HANDGUN, ALL TYPES	17,807	12,807
	Program adjustment		[-5,000]
004	CTG, .50 CAL, ALL TYPES	63,966	63,966
005	CTG, 20MM, ALL TYPES	35,920	27,920
	Unit cost growth		[-8,000]
006	CTG, 25MM, ALL TYPES	8,990	8,990
007	CTG, 30MM, ALL TYPES	68,813	57,229
	Prior-year carry over		[-1,134]
	Program adjustment		[-10,450]
008	CTG, 40MM, ALL TYPES	103,952	103,952
MORTAR AMMUNITION			
009	60MM MORTAR, ALL TYPES	50,580	49,580
	Unit cost discrepancy		[-1,000]
010	81MM MORTAR, ALL TYPES	59,373	44,673
	Contract delays		[-14,700]
011	120MM MORTAR, ALL TYPES	125,452	123,452
	Unit cost growth		[-2,000]
TANK AMMUNITION			
012	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES	171,284	113,084
	Unit cost growth		[-58,200]
ARTILLERY AMMUNITION			
013	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES	44,675	44,675
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES	266,037	266,037
015	PROJ 155MM EXTENDED RANGE M982	57,434	57,434
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	271,602	265,602
	Cost growth and unjustified product improvements		[-6,000]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
MINES			
017	MINES & CLEARING CHARGES, ALL TYPES	55,433	39,433
	Contract delay		[-16,000]
ROCKETS			
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	74,878	74,878
019	ROCKET, HYDRA 70, ALL TYPES	175,994	165,994
	Excess support costs		[-10,000]
OTHER AMMUNITION			
020	CAD/PAD, ALL TYPES	7,595	7,595
021	DEMOLITION MUNITIONS, ALL TYPES	51,651	51,651
022	GRENADERS, ALL TYPES	40,592	40,592
023	SIGNALS, ALL TYPES	18,609	18,609
024	SIMULATORS, ALL TYPES	16,054	16,054
MISCELLANEOUS			
025	AMMO COMPONENTS, ALL TYPES	5,261	5,261
026	NON-LETHAL AMMUNITION, ALL TYPES	715	715
027	ITEMS LESS THAN \$5 MILLION (AMMO)	9,213	9,213
028	AMMUNITION PECULIAR EQUIPMENT	10,044	10,044
029	FIRST DESTINATION TRANSPORTATION (AMMO)	18,492	18,492
030	CLOSEOUT LIABILITIES	99	99
PRODUCTION BASE SUPPORT			
031	INDUSTRIAL FACILITIES	474,511	474,511
032	CONVENTIONAL MUNITIONS DEMILITARIZATION	202,512	202,512
033	ARMS INITIATIVE	3,833	3,833
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	2,694,548	2,554,064
OTHER PROCUREMENT, ARMY			
TACTICAL VEHICLES			
001	TACTICAL TRAILERS/DOLLY SETS	12,993	12,993
002	SEMITRAILERS, FLATBED:	102,386	102,386
003	AMBULANCE, 4 LITTR, 5/4 TON, 4X4	127,271	127,271
004	GROUND MOBILITY VEHICLES (GMV)	37,038	35,038
	Unit cost growth		[-2,000]
006	JOINT LIGHT TACTICAL VEHICLE	996,007	976,507
	Army requested transfer to RDTE, A line 169		[-4,500]
	Simulator delay		[-15,000]
007	TRUCK, DUMP, 20T (CCE)	10,838	10,838
008	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	72,057	138,057
	Program increase		[66,000]
009	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP	28,048	28,048
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	9,969	9,969
011	PLS ESP	6,280	6,280
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	30,841	131,841
	Program increase		[101,000]
013	HMMWV RECAPITALIZATION PROGRAM	5,734	5,734
014	TACTICAL WHEELED VEHICLE PROTECTION KITS	45,113	45,113
015	MODIFICATION OF IN SVC EQUIP	58,946	58,946
NON-TACTICAL VEHICLES			
017	HEAVY ARMORED VEHICLE	791	791
018	PASSENGER CARRYING VEHICLES	1,416	1,416
019	NON-TACTICAL VEHICLES, OTHER	29,891	29,891
COMM—JOINT COMMUNICATIONS			
021	SIGNAL MODERNIZATION PROGRAM	153,933	148,933
	Excess funding for spares		[-5,000]
022	TACTICAL NETWORK TECHNOLOGY MOD IN SVC	387,439	411,439
	ITN-M for one armored brigade combat team		[24,000]
023	SITUATION INFORMATION TRANSPORT	46,693	46,693
025	JCSE EQUIPMENT (USRDECOM)	5,075	5,075
COMM—SATELLITE COMMUNICATIONS			
028	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	101,189	101,189
029	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	77,141	77,141
030	SHF TERM	16,054	16,054
031	ASSURED POSITIONING, NAVIGATION AND TIMING	41,074	24,914
	Contract delays		[-28,760]
	Program cancellation		[-7,400]
	Program increase		[20,000]
032	SMART-T (SPACE)	10,515	10,515
033	GLOBAL BRDCST SVC—GBS	11,800	11,800
034	ENROUTE MISSION COMMAND (EMC)	8,609	8,609
COMM—C3 SYSTEM			
038	COE TACTICAL SERVER INFRASTRUCTURE (TSD)	77,533	77,533
COMM—COMBAT COMMUNICATIONS			
039	HANDHELD MANPACK SMALL FORM FIT (HMS)	468,026	468,026
	Program delay		[-25,000]
	SFAB technology refresh		[25,000]
040	RADIO TERMINAL SET, MIDS LVT(2)	23,778	23,778
044	SPIDER FAMILY OF NETWORKED MUNITIONS INCR	10,930	10,930
046	UNIFIED COMMAND SUITE	9,291	8,291

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	Excess program management costs		[-1,000]
047	COTS COMMUNICATIONS EQUIPMENT	55,630	55,630
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	16,590	16,590
049	ARMY COMMUNICATIONS & ELECTRONICS	43,457	43,457
	COMM—INTELLIGENCE COMM		
051	CI AUTOMATION ARCHITECTURE (MIP)	10,470	10,470
052	DEFENSE MILITARY DECEPTION INITIATIVE	3,704	3,704
	INFORMATION SECURITY		
053	FAMILY OF BIOMETRICS	1,000	1,000
054	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	3,600	3,600
055	COMMUNICATIONS SECURITY (COMSEC)	160,899	141,899
	Unit cost growth		[-19,000]
056	DEFENSIVE CYBER OPERATIONS	61,962	61,962
057	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO	756	756
058	PERSISTENT CYBER TRAINING ENVIRONMENT	3,000	3,000
	COMM—LONG HAUL COMMUNICATIONS		
059	BASE SUPPORT COMMUNICATIONS	31,770	26,770
	Insufficient budget justification		[-5,000]
	COMM—BASE COMMUNICATIONS		
060	INFORMATION SYSTEMS	159,009	139,009
	Unjustified growth		[-15,000]
	Unjustified growth in SRM HW		[-5,000]
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	4,854	4,854
062	HOME STATION MISSION COMMAND CENTERS (HSMCC)	47,174	47,174
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	297,994	247,994
	Insufficient budget justification		[-50,000]
	ELECT EQUIP—TACT INT REL ACT (TIARA)		
066	JTT/CIBS-M (MIP)	7,686	7,686
068	DCGS-A (MIP)	180,350	180,350
070	TROJAN (MIP)	17,368	17,368
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	59,052	59,052
	ELECT EQUIP—ELECTRONIC WARFARE (EW)		
077	LIGHTWEIGHT COUNTER MORTAR RADAR	5,400	5,400
078	EW PLANNING & MANAGEMENT TOOLS (EWPMT)	7,568	7,568
079	AIR VIGILANCE (AV) (MIP)	8,953	8,953
081	MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST	6,420	6,420
083	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	501	501
084	CI MODERNIZATION (MIP)	121	121
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)		
085	SENTINEL MODS	115,210	114,210
	Excess support costs		[-1,000]
086	NIGHT VISION DEVICES	236,604	160,604
	Insufficient justification (IVAS)		[-76,000]
088	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	22,623	22,623
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	29,127	29,127
091	FAMILY OF WEAPON SIGHTS (FWS)	120,883	81,541
	Excess unit cost growth		[-39,342]
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	265,667	240,167
	Program adjustment		[-25,500]
095	JOINT EFFECTS TARGETING SYSTEM (JETS)	69,720	44,720
	Program delay		[-25,000]
096	MOD OF IN-SVC EQUIP (LLDR)	6,044	6,044
097	COMPUTER BALLISTICS: LHMCB XM32	3,268	3,268
098	MORTAR FIRE CONTROL SYSTEM	13,199	13,199
099	MORTAR FIRE CONTROL SYSTEMS MODIFICATIONS	10,000	10,000
100	COUNTERFIRE RADARS	16,416	16,416
	ELECT EQUIP—TACTICAL C2 SYSTEMS		
102	FIRE SUPPORT C2 FAMILY	13,197	13,197
103	AIR & MSL DEFENSE PLANNING & CONTROL SYS	24,730	24,730
104	LAMD BATTLE COMMAND SYSTEM	29,629	29,629
105	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	6,774	6,774
106	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	24,448	24,448
107	MANEUVER CONTROL SYSTEM (MCS)	260	260
108	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A)	17,962	17,962
109	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP)	18,674	18,674
110	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	11,000	11,000
111	MOD OF IN-SVC EQUIPMENT (ENFIRE)	7,317	15,317
	Program increase—land surveying systems		[8,000]
	ELECT EQUIP—AUTOMATION		
112	ARMY TRAINING MODERNIZATION	14,578	14,578
113	AUTOMATED DATA PROCESSING EQUIP	139,342	129,342
	Program decrease		[-5,000]
	Unjustified growth		[-5,000]
114	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM	15,802	15,802
115	HIGH PERF COMPUTING MOD PGM (HPCMP)	67,610	67,610
116	CONTRACT WRITING SYSTEM	15,000	15,000
117	CSS COMMUNICATIONS	24,700	24,700
118	RESERVE COMPONENT AUTOMATION SYS (RCAS)	27,879	27,879

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	ELECT EQUIP—AUDIO VISUAL SYS (A/V)		
120	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)	5,000	5,000
	ELECT EQUIP—SUPPORT		
122	BCT EMERGING TECHNOLOGIES	22,302	22,302
	CLASSIFIED PROGRAMS		
122A	CLASSIFIED PROGRAMS	11,910	11,910
	CHEMICAL DEFENSIVE EQUIPMENT		
126	CBRN DEFENSE	25,828	25,828
127	SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM)	5,050	5,050
	BRIDGING EQUIPMENT		
128	TACTICAL BRIDGING	59,821	57,821
	Contract delays		[-2,000]
129	TACTICAL BRIDGE, FLOAT-RIBBON	57,661	57,661
130	BRIDGE SUPPLEMENTAL SET	17,966	17,966
131	COMMON BRIDGE TRANSPORTER (CBT) RECAP	43,155	43,155
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
132	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	7,570	7,570
133	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	37,025	37,025
135	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	83,082	54,082
	Unjustified unit cost growth		[-29,000]
136	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	2,000	2,000
137	EOD ROBOTICS SYSTEMS RECAPITALIZATION	23,115	23,115
138	ROBOTICS AND APPLIQUE SYSTEMS	101,056	101,056
140	RENDER SAFE SETS KITS OUTFITS	18,684	18,684
142	FAMILY OF BOATS AND MOTORS	8,245	6,245
	Unit cost growth		[-2,000]
	COMBAT SERVICE SUPPORT EQUIPMENT		
143	HEATERS AND ECU'S	7,336	7,336
145	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	4,281	4,281
146	GROUND SOLDIER SYSTEM	111,955	111,955
147	MOBILE SOLDIER POWER	31,364	29,364
	Unit cost growth		[-2,000]
149	FIELD FEEDING EQUIPMENT	1,673	1,673
150	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	43,622	43,622
151	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS	11,451	11,451
152	ITEMS LESS THAN \$5M (ENG SPT)	5,167	5,167
	PETROLEUM EQUIPMENT		
154	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	74,867	74,867
	MEDICAL EQUIPMENT		
155	COMBAT SUPPORT MEDICAL	68,225	68,225
	MAINTENANCE EQUIPMENT		
156	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	55,053	55,053
157	ITEMS LESS THAN \$5.0M (MAINT EQ)	5,608	5,608
	CONSTRUCTION EQUIPMENT		
161	HYDRAULIC EXCAVATOR	500	500
162	TRACTOR, FULL TRACKED	4,835	4,835
163	ALL TERRAIN CRANES	23,936	23,936
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	27,188	27,188
166	CONST EQUIP ESP	34,790	34,790
167	ITEMS LESS THAN \$5.0M (CONST EQUIP)	4,381	4,381
	RAIL FLOAT CONTAINERIZATION EQUIPMENT		
168	ARMY WATERCRAFT ESP	35,194	35,194
169	MANEUVER SUPPORT VESSEL (MSV)	14,185	14,185
170	ITEMS LESS THAN \$5.0M (FLOAT/RAIL)	6,920	6,920
	GENERATORS		
171	GENERATORS AND ASSOCIATED EQUIP	58,566	58,566
172	TACTICAL ELECTRIC POWER RECAPITALIZATION	14,814	14,814
	MATERIAL HANDLING EQUIPMENT		
173	FAMILY OF FORKLIFTS	14,864	14,864
	TRAINING EQUIPMENT		
174	COMBAT TRAINING CENTERS SUPPORT	123,411	123,411
175	TRAINING DEVICES, NONSYSTEM	220,707	220,707
176	SYNTHETIC TRAINING ENVIRONMENT (STE)	20,749	15,749
	Program adjustment		[-5,000]
178	AVIATION COMBINED ARMS TACTICAL TRAINER	4,840	4,840
179	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING	15,463	15,463
	TEST MEASURE AND DIG EQUIPMENT (TMD)		
180	CALIBRATION SETS EQUIPMENT	3,030	3,030
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	76,980	76,980
182	TEST EQUIPMENT MODERNIZATION (TEMOD)	16,415	13,415
	Historical underexecution		[-3,000]
	OTHER SUPPORT EQUIPMENT		
184	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	9,877	9,877
185	PHYSICAL SECURITY SYSTEMS (OPA3)	82,158	82,158
186	BASE LEVEL COMMON EQUIPMENT	15,340	15,340
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	50,458	50,458
189	BUILDING, PRE-FAB, RELOCATABLE	14,400	14,400
190	SPECIAL EQUIPMENT FOR USER TESTING	9,821	9,821

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	OPA2		
192	INITIAL SPARES—C&E	9,757	9,757
	TOTAL OTHER PROCUREMENT, ARMY	7,451,301	7,292,799
	AIRCRAFT PROCUREMENT, NAVY		
	COMBAT AIRCRAFT		
001	F/A-18E/F (FIGHTER) HORNET	1,748,934	1,730,934
	ECO and ancillary equipment excess growth		[-18,000]
002	F/A-18E/F (FIGHTER) HORNET	55,128	51,128
	Excess engine cost growth		[-4,000]
003	JOINT STRIKE FIGHTER CV	2,272,301	2,162,301
	Target cost savings		[-110,000]
004	JOINT STRIKE FIGHTER CV	339,053	339,053
005	JSF STOVL	1,342,035	1,256,035
	Target cost savings		[-86,000]
006	JSF STOVL	291,804	291,804
007	CH-53K (HEAVY LIFT)	807,876	807,876
008	CH-53K (HEAVY LIFT)	215,014	215,014
009	V-22 (MEDIUM LIFT)	966,666	1,184,766
	Program increase		[248,100]
	Support cost growth		[-30,000]
010	V-22 (MEDIUM LIFT)	27,104	27,104
011	H-1 UPGRADES (UH-1Y/AH-1Z)	62,003	62,003
013	MH-60R (MYP)	894	894
014	P-8A POSEIDON	1,206,701	1,636,601
	Contract negotiations savings		[-42,900]
	Line shutdown costs early to need		[-68,400]
	Navy unfunded priority		[541,200]
016	E-2D ADV HAWKEYE	744,484	896,784
	GFE excess cost growth		[-3,500]
	Navy unfunded priority		[173,000]
	NRE excess cost growth		[-17,200]
017	E-2D ADV HAWKEYE	190,204	190,204
	TRAINER AIRCRAFT		
019	ADVANCED HELICOPTER TRAINING SYSTEM	261,160	261,160
	OTHER AIRCRAFT		
020	KC-130J	240,840	221,840
	Unit cost growth		[-19,000]
021	KC-130J	66,061	66,061
022	F-5	39,676	39,676
023	MQ-4 TRITON	473,134	448,134
	PGSE excess cost growth		[-25,000]
024	MQ-4 TRITON	20,139	20,139
025	MQ-8 UAV	44,957	44,957
026	STUASLO UAV	43,819	43,819
028	VH-92A EXECUTIVE HELO	658,067	658,067
	MODIFICATION OF AIRCRAFT		
029	AEA SYSTEMS	44,470	44,470
030	AV-8 SERIES	39,472	39,472
031	ADVERSARY	3,415	3,415
032	F-18 SERIES	1,207,089	1,138,089
	Accelerate RWR modernization		[10,000]
	Early to need		[-79,000]
033	H-53 SERIES	68,385	68,385
034	MH-60 SERIES	149,797	152,297
	Demonstrate alternative low frequency active sonars		[2,500]
035	H-1 SERIES	114,059	114,059
036	EP-3 SERIES	8,655	8,655
038	E-2 SERIES	117,059	117,059
039	TRAINER A/C SERIES	5,616	5,616
040	C-2A	15,747	15,747
041	C-130 SERIES	122,671	122,671
042	FEWSG	509	509
043	CARGO/TRANSPORT A/C SERIES	8,767	8,767
044	E-6 SERIES	169,827	169,827
045	EXECUTIVE HELICOPTERS SERIES	8,933	8,933
047	T-45 SERIES	186,022	184,314
	NRE previously funded		[-1,708]
048	POWER PLANT CHANGES	16,136	16,136
049	JPATS SERIES	21,824	21,824
050	AVIATION LIFE SUPPORT MODS	39,762	39,762
051	COMMON ECM EQUIPMENT	162,839	159,565
	Program decrease		[-3,274]
052	COMMON AVIONICS CHANGES	102,107	75,107
	Computing and displays concurrency and equipment growth early to need		[-27,000]
053	COMMON DEFENSIVE WEAPON SYSTEM	2,100	2,100
054	ID SYSTEMS	41,437	33,637
	Unjustified unit cost growth		[-7,800]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
055	P-8 SERIES	107,539	107,539
056	MAGTF EW FOR AVIATION	26,536	26,536
057	MQ-8 SERIES	34,686	34,686
058	V-22 (TILT/ROTOR ACFT) OSPREY	325,367	325,367
059	NEXT GENERATION JAMMER (NGJ)	6,223	6,223
060	F-35 STOVL SERIES	65,585	65,585
061	F-35 CV SERIES	15,358	15,358
062	QRC	165,016	146,558
	Program decrease		[-18,458]
063	MQ-4 SERIES	27,994	27,994
064	RQ-21 SERIES	66,282	66,282
	AIRCRAFT SPARES AND REPAIR PARTS		
067	SPARES AND REPAIR PARTS	2,166,788	2,102,788
	MQ-4 Triton spares excess growth		[-64,000]
	AIRCRAFT SUPPORT EQUIP & FACILITIES		
068	COMMON GROUND EQUIPMENT	491,025	470,025
	Other flight training previously funded		[-21,000]
069	AIRCRAFT INDUSTRIAL FACILITIES	71,335	71,335
070	WAR CONSUMABLES	41,086	32,086
	BRU-61 previously funded		[-9,000]
072	SPECIAL SUPPORT EQUIPMENT	135,740	115,740
	Program decrease		[-20,000]
073	FIRST DESTINATION TRANSPORTATION	892	892
	TOTAL AIRCRAFT PROCUREMENT, NAVY	18,522,204	18,821,764
	WEAPONS PROCUREMENT, NAVY		
	MODIFICATION OF MISSILES		
001	TRIDENT II MODS	1,177,251	1,157,651
	W76-2 low-yield deployment		[-19,600]
	SUPPORT EQUIPMENT & FACILITIES		
002	MISSILE INDUSTRIAL FACILITIES	7,142	7,142
	STRATEGIC MISSILES		
003	TOMAHAWK	386,730	386,730
	TACTICAL MISSILES		
004	AMRAAM	224,502	191,502
	Unit cost growth		[-33,000]
005	SIDEWINDER	119,456	119,456
007	STANDARD MISSILE	404,523	379,523
	SM-6 multi-year procurement savings		[-25,000]
008	STANDARD MISSILE	96,085	96,085
009	SMALL DIAMETER BOMB II	118,466	118,466
010	RAM	106,765	106,765
012	HELLFIRE	1,525	1,525
015	AERIAL TARGETS	145,880	145,880
016	DRONES AND DECOYS	20,000	20,000
017	OTHER MISSILE SUPPORT	3,388	3,388
018	LRASM	143,200	168,200
	Navy unfunded priority		[25,000]
019	LCS OTH MISSILE	38,137	38,137
	MODIFICATION OF MISSILES		
020	ESSM	128,059	118,059
	Production support excess to need		[-10,000]
021	HARPOON MODS	25,447	25,447
022	HARM MODS	183,740	183,740
023	STANDARD MISSILES MODS	22,500	22,500
	SUPPORT EQUIPMENT & FACILITIES		
024	WEAPONS INDUSTRIAL FACILITIES	1,958	1,958
025	FLEET SATELLITE COMM FOLLOW-ON	67,380	67,380
	ORDNANCE SUPPORT EQUIPMENT		
027	ORDNANCE SUPPORT EQUIPMENT	109,427	109,427
	TORPEDOES AND RELATED EQUIP		
028	SSTD	5,561	5,561
029	MK-48 TORPEDO	114,000	130,000
	Program increase		[16,000]
030	ASW TARGETS	15,095	15,095
	MOD OF TORPEDOES AND RELATED EQUIP		
031	MK-54 TORPEDO MODS	119,453	111,453
	HAAWC cost growth		[-8,000]
032	MK-48 TORPEDO ADCAP MODS	39,508	39,508
033	QUICKSTRIKE MINE	5,183	5,183
	SUPPORT EQUIPMENT		
034	TORPEDO SUPPORT EQUIPMENT	79,028	79,028
035	ASW RANGE SUPPORT	3,890	3,890
	DESTINATION TRANSPORTATION		
036	FIRST DESTINATION TRANSPORTATION	3,803	3,803
	GUNS AND GUN MOUNTS		
037	SMALL ARMS AND WEAPONS	14,797	14,797
	MODIFICATION OF GUNS AND GUN MOUNTS		

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
038	CIWS MODS	44,126	0
	Unjustified OCO request		[-44,126]
039	COAST GUARD WEAPONS	44,980	44,980
040	GUN MOUNT MODS	66,376	66,376
041	LCS MODULE WEAPONS	14,585	0
	Program decrease		[-14,585]
043	AIRBORNE MINE NEUTRALIZATION SYSTEMS	7,160	7,160
	SPARES AND REPAIR PARTS		
045	SPARES AND REPAIR PARTS	126,138	126,138
	TOTAL WEAPONS PROCUREMENT, NAVY	4,235,244	4,121,933
	PROCUREMENT OF AMMO, NAVY & MC		
	NAVY AMMUNITION		
001	GENERAL PURPOSE BOMBS	36,028	20,028
	Fuze contract delay and unit cost growth		[-16,000]
002	JDAM	70,413	62,913
	JDAM tail kit unit cost growth		[-7,500]
003	AIRBORNE ROCKETS, ALL TYPES	31,756	22,256
	Unit cost growth		[-9,500]
004	MACHINE GUN AMMUNITION	4,793	4,793
005	PRACTICE BOMBS	34,708	27,208
	Q1300 LGTR unit cost growth		[-7,500]
006	CARTRIDGES & CART ACTUATED DEVICES	45,738	38,738
	Contract and schedule delays		[-7,000]
007	AIR EXPENDABLE COUNTERMEASURES	77,301	67,801
	Unit cost growth		[-9,500]
008	JATOS	7,262	7,262
009	5 INCH/54 GUN AMMUNITION	22,594	22,594
010	INTERMEDIATE CALIBER GUN AMMUNITION	37,193	37,193
011	OTHER SHIP GUN AMMUNITION	39,491	29,491
	CART 20MM contract award delay		[-10,000]
012	SMALL ARMS & LANDING PARTY AMMO	47,896	47,896
013	PYROTECHNIC AND DEMOLITION	10,621	10,621
015	AMMUNITION LESS THAN \$5 MILLION	2,386	2,386
	MARINE CORPS AMMUNITION		
016	MORTARS	55,543	50,543
	Prior year underexecution		[-5,000]
017	DIRECT SUPPORT MUNITIONS	131,765	131,765
018	INFANTRY WEAPONS AMMUNITION	78,056	74,556
	Underexecution and schedule delays		[-3,500]
019	COMBAT SUPPORT MUNITIONS	40,048	34,048
	Unit cost growth		[-6,000]
020	AMMO MODERNIZATION	14,325	14,325
021	ARTILLERY MUNITIONS	188,876	167,476
	DA 54 contract delay		[-21,400]
022	ITEMS LESS THAN \$5 MILLION	4,521	4,521
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	981,314	878,414
	SHIPBUILDING AND CONVERSION, NAVY		
	FLEET BALLISTIC MISSILE SHIPS		
001	OHIO REPLACEMENT SUBMARINE	1,698,907	1,823,907
	Submarine supplier development		[125,000]
	OTHER WARSHIPS		
002	CARRIER REPLACEMENT PROGRAM	2,347,000	1,952,000
	Basic construction/conversion excess cost growth		[-302,000]
	Propulsion equipment excess cost growth		[-93,000]
003	VIRGINIA CLASS SUBMARINE	7,155,946	6,605,946
	Block V MYP savings redirected to fund USS Boise, USS Hartford, and USS Columbus availabilities.		[-550,000]
004	VIRGINIA CLASS SUBMARINE	2,769,552	2,769,552
005	CVN REFUELING OVERHAULS	647,926	453,926
	CVN-74 RCOH basic construction/conversion excess cost growth		[-165,000]
	CVN-74 RCOH ordnance excess cost growth		[-46,000]
	CVN-75 RCOH restoration		[17,000]
007	DDG 1000	155,944	155,944
008	DDG-51	5,099,295	5,013,295
	Basic ship construction excess cost growth		[-86,000]
009	DDG-51	224,028	224,028
011	FFG-FRIGATE	1,281,177	1,266,177
	Change order early to need		[-15,000]
	AMPHIBIOUS SHIPS		
012	LPD FLIGHT II		100,000
	Transfer from line 13		[100,000]
013	LPD FLIGHT II	247,100	147,100
	Transfer to line 12		[-100,000]
017	EXPEDITIONARY FAST TRANSPORT (EPF)		49,000
	Medical transport modification for EPF-14 Navy unfunded priority		[49,000]
	AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST		

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
018	TAO FLEET OILER	981,215	607,215
	Full funding early to need		[-447,000]
	Transfer from Line 19		[73,000]
019	TAO FLEET OILER	73,000	0
	Transfer to Line 18		[-73,000]
020	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	150,282	150,282
022	LCU 1700	85,670	85,670
023	OUTFITTING	754,679	643,554
	ESB-9 Outfitting early to need		[-11,125]
	Excess cost growth		[-100,000]
024	SHIP TO SHORE CONNECTOR		84,800
	Program increase		[130,000]
	Program decrease		[-45,200]
025	SERVICE CRAFT	56,289	56,289
028	COMPLETION OF PY SHIPBUILDING PROGRAMS	55,700	25,700
	ESB change order prior year carryover		[-30,000]
	TOTAL SHIPBUILDING AND CONVERSION, NAVY	23,783,710	22,214,385
	OTHER PROCUREMENT, NAVY		
	SHIP PROPULSION EQUIPMENT		
001	SURFACE POWER EQUIPMENT	14,490	14,490
	GENERATORS		
002	SURFACE COMBATANT HM&E	31,583	23,503
	Excess cost growth		[-8,080]
	NAVIGATION EQUIPMENT		
003	OTHER NAVIGATION EQUIPMENT	77,404	60,830
	Excess cost growth		[-16,574]
	OTHER SHIPBOARD EQUIPMENT		
004	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG	160,803	160,803
005	DDG MOD	566,140	566,140
006	FIREFIGHTING EQUIPMENT	18,223	18,223
007	COMMAND AND CONTROL SWITCHBOARD	2,086	2,086
008	LHA/LHD MIDLIFE	95,651	64,651
	Excess cost growth		[-31,000]
009	POLLUTION CONTROL EQUIPMENT	23,910	23,910
010	SUBMARINE SUPPORT EQUIPMENT	44,895	25,300
	Acoustic superiority early to need		[-11,855]
	Excess cost growth		[-7,740]
011	VIRGINIA CLASS SUPPORT EQUIPMENT	28,465	28,465
012	LCS CLASS SUPPORT EQUIPMENT	19,426	19,426
013	SUBMARINE BATTERIES	26,290	26,290
014	LPD CLASS SUPPORT EQUIPMENT	46,945	46,945
015	DDG 1000 CLASS SUPPORT EQUIPMENT	9,930	9,930
016	STRATEGIC PLATFORM SUPPORT EQUIP	14,331	14,331
017	DSSP EQUIPMENT	2,909	2,909
018	CG MODERNIZATION	193,990	193,990
019	LCAC	3,392	3,392
020	UNDERWATER EOD PROGRAMS	71,240	71,240
021	ITEMS LESS THAN \$5 MILLION	102,543	102,543
022	CHEMICAL WARFARE DETECTORS	2,961	2,961
023	SUBMARINE LIFE SUPPORT SYSTEM	6,635	6,635
	REACTOR PLANT EQUIPMENT		
024	REACTOR POWER UNITS	5,340	5,340
025	REACTOR COMPONENTS	465,726	465,726
	OCEAN ENGINEERING		
026	DIVING AND SALVAGE EQUIPMENT	11,854	10,706
	Excess cost growth		[-1,148]
	SMALL BOATS		
027	STANDARD BOATS	79,102	73,967
	Excess cost growth		[-5,135]
	PRODUCTION FACILITIES EQUIPMENT		
028	OPERATING FORCES IPE	202,238	202,238
	OTHER SHIP SUPPORT		
029	LCS COMMON MISSION MODULES EQUIPMENT	51,553	33,237
	Excess cost growth		[-18,316]
030	LCS MCM MISSION MODULES	197,129	77,129
	Excess cost growth		[-120,000]
031	LCS ASW MISSION MODULES	27,754	25,254
	Demonstrate alternate low frequency active sonar		[2,500]
	Excess cost growth		[-5,000]
032	LCS SUW MISSION MODULES	26,566	14,566
	Excess cost growth		[-12,000]
033	LCS IN-SERVICE MODERNIZATION	84,972	84,972
034	SMALL & MEDIUM UUV	40,547	10,601
	Early to need		[-29,946]
	LOGISTIC SUPPORT		
035	LSD MIDLIFE & MODERNIZATION	40,269	40,269
	SHIP SONARS		

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized
036	SPQ-9B RADAR	26,195	26,195
037	AN/SQQ-89 SURF ASW COMBAT SYSTEM	125,237	125,237
038	SSN ACOUSTIC EQUIPMENT	366,968	354,968
	Low cost conformal array contract delay		[-12,000]
039	UNDERSEA WARFARE SUPPORT EQUIPMENT	8,967	8,967
	ASW ELECTRONIC EQUIPMENT		
040	SUBMARINE ACOUSTIC WARFARE SYSTEM	23,545	23,545
041	SSTD	12,439	12,439
042	FIXED SURVEILLANCE SYSTEM	128,441	128,441
043	SURTASS	21,923	21,923
	ELECTRONIC WARFARE EQUIPMENT		
044	AN/SLQ-32	420,154	420,154
	RECONNAISSANCE EQUIPMENT		
045	SHIPBOARD IW EXPLOIT	194,758	194,758
046	AUTOMATED IDENTIFICATION SYSTEM (AIS)	5,368	5,368
	OTHER SHIP ELECTRONIC EQUIPMENT		
047	COOPERATIVE ENGAGEMENT CAPABILITY	35,128	35,128
048	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	15,154	15,154
049	ATDLS	52,753	52,753
050	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	3,390	3,390
051	MINESWEEPING SYSTEM REPLACEMENT	19,448	19,448
052	SHALLOW WATER MCM	8,730	8,730
053	NAVSTAR GPS RECEIVERS (SPACE)	32,674	32,674
054	AMERICAN FORCES RADIO AND TV SERVICE	2,617	2,617
055	STRATEGIC PLATFORM SUPPORT EQUIP	7,973	7,973
	AVIATION ELECTRONIC EQUIPMENT		
056	ASHORE ATC EQUIPMENT	72,406	72,406
057	AFLOAT ATC EQUIPMENT	67,410	67,410
058	ID SYSTEMS	26,059	15,464
	OE-120/UPX antenna insufficient budget justification		[-10,595]
059	JOINT PRECISION APPROACH AND LANDING SYSTEM	92,695	61,348
	Early to need		[-31,347]
060	NAVAL MISSION PLANNING SYSTEMS	15,296	15,296
	OTHER SHORE ELECTRONIC EQUIPMENT		
061	TACTICAL/MOBILE C4I SYSTEMS	36,226	36,226
062	DCGS-N	21,788	21,788
063	CANES	426,654	396,654
	Program decrease		[-30,000]
064	RADLAC	6,450	6,450
065	CANES-INTELL	52,713	52,713
066	GPETE	13,028	13,028
067	MASF	5,193	5,193
068	INTEG COMBAT SYSTEM TEST FACILITY	6,028	6,028
069	EMI CONTROL INSTRUMENTATION	4,209	4,209
070	ITEMS LESS THAN \$5 MILLION	168,436	151,593
	Excess cost growth		[-16,843]
	SHIPBOARD COMMUNICATIONS		
071	SHIPBOARD TACTICAL COMMUNICATIONS	55,853	55,853
072	SHIP COMMUNICATIONS AUTOMATION	137,861	117,861
	STACC cost growth		[-20,000]
073	COMMUNICATIONS ITEMS UNDER \$5M	35,093	35,093
	SUBMARINE COMMUNICATIONS		
074	SUBMARINE BROADCAST SUPPORT	50,833	50,833
075	SUBMARINE COMMUNICATION EQUIPMENT	69,643	60,643
	Buoy shape improvement unjustified request		[-9,000]
	SATELLITE COMMUNICATIONS		
076	SATELLITE COMMUNICATIONS SYSTEMS	45,841	45,841
077	NAVY MULTIBAND TERMINAL (NMT)	88,021	88,021
	SHORE COMMUNICATIONS		
078	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	4,293	4,293
	CRYPTOGRAPHIC EQUIPMENT		
079	INFO SYSTEMS SECURITY PROGRAM (ISSP)	166,540	166,540
080	MIO INTEL EXPLOITATION TEAM	968	968
	CRYPTOLOGIC EQUIPMENT		
081	CRYPTOLOGIC COMMUNICATIONS EQUIP	13,090	13,090
	OTHER ELECTRONIC SUPPORT		
083	COAST GUARD EQUIPMENT	61,370	61,370
	SONOBUOYS		
085	SONOBUOYS—ALL TYPES	260,644	296,344
	Navy unfunded priority		[35,700]
	AIRCRAFT SUPPORT EQUIPMENT		
086	MINOTAUR	5,000	5,000
087	WEAPONS RANGE SUPPORT EQUIPMENT	101,843	94,843
	Excess cost growth		[-7,000]
088	AIRCRAFT SUPPORT EQUIPMENT	145,601	112,181
	Excess cost growth		[-20,000]
	Program decrease		[-13,420]
089	ADVANCED ARRESTING GEAR (AAG)	4,725	4,725

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
090	METEOROLOGICAL EQUIPMENT	14,687	14,687
092	LEGACY AIRBORNE MCM	19,250	19,250
093	LAMPS EQUIPMENT	792	792
094	AVIATION SUPPORT EQUIPMENT	55,415	52,415
	Contract delay		[-3,000]
095	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL	32,668	32,668
	SHIP GUN SYSTEM EQUIPMENT		
096	SHIP GUN SYSTEMS EQUIPMENT	5,451	5,451
	SHIP MISSILE SYSTEMS EQUIPMENT		
097	HARPOON SUPPORT EQUIPMENT	1,100	1,100
098	SHIP MISSILE SUPPORT EQUIPMENT	228,104	243,304
	Excess cost growth		[-25,000]
	Program increase		[40,200]
099	TOMAHAWK SUPPORT EQUIPMENT	78,593	78,593
	FBM SUPPORT EQUIPMENT		
100	STRATEGIC MISSILE SYSTEMS EQUIP	280,510	280,510
	ASW SUPPORT EQUIPMENT		
101	SSN COMBAT CONTROL SYSTEMS	148,547	138,547
	Excess cost growth		[-10,000]
102	ASW SUPPORT EQUIPMENT	21,130	21,130
	OTHER ORDNANCE SUPPORT EQUIPMENT		
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	15,244	15,244
104	ITEMS LESS THAN \$5 MILLION	5,071	5,071
	OTHER EXPENDABLE ORDNANCE		
105	ANTI-SHIP MISSILE DECOY SYSTEM	41,962	41,962
106	SUBMARINE TRAINING DEVICE MODS	75,057	75,057
107	SURFACE TRAINING EQUIPMENT	233,175	189,253
	LCS trainer equipment early to need		[-43,922]
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
108	PASSENGER CARRYING VEHICLES	4,562	4,562
109	GENERAL PURPOSE TRUCKS	10,974	10,974
110	CONSTRUCTION & MAINTENANCE EQUIP	43,191	43,191
111	FIRE FIGHTING EQUIPMENT	21,142	11,642
	Contract delays		[-9,500]
112	TACTICAL VEHICLES	33,432	32,032
	JLTV contract delay		[-1,400]
114	POLLUTION CONTROL EQUIPMENT	2,633	2,633
115	ITEMS UNDER \$5 MILLION	53,467	53,467
116	PHYSICAL SECURITY VEHICLES	1,173	1,173
	SUPPLY SUPPORT EQUIPMENT		
117	SUPPLY EQUIPMENT	16,730	16,730
118	FIRST DESTINATION TRANSPORTATION	5,389	5,389
119	SPECIAL PURPOSE SUPPLY SYSTEMS	654,674	654,674
	TRAINING DEVICES		
120	TRAINING SUPPORT EQUIPMENT	3,633	3,633
121	TRAINING AND EDUCATION EQUIPMENT	97,636	82,536
	Reduction in one Training Support Vessel		[-15,100]
	COMMAND SUPPORT EQUIPMENT		
122	COMMAND SUPPORT EQUIPMENT	66,102	50,102
	Prior year underexecution		[-16,000]
123	MEDICAL SUPPORT EQUIPMENT	3,633	3,633
125	NAVAL MIP SUPPORT EQUIPMENT	6,097	6,097
126	OPERATING FORCES SUPPORT EQUIPMENT	16,905	16,905
127	C4ISR EQUIPMENT	30,146	30,146
128	ENVIRONMENTAL SUPPORT EQUIPMENT	21,986	21,986
129	PHYSICAL SECURITY EQUIPMENT	160,046	160,046
130	ENTERPRISE INFORMATION TECHNOLOGY	56,899	56,899
	OTHER		
133	NEXT GENERATION ENTERPRISE SERVICE	122,832	122,832
	CLASSIFIED PROGRAMS		
133A	CLASSIFIED PROGRAMS	16,346	16,346
	SPARES AND REPAIR PARTS		
134	SPARES AND REPAIR PARTS	375,608	352,140
	JPALS spares early to need		[-8,137]
	LCS spares early to need		[-15,331]
	TOTAL OTHER PROCUREMENT, NAVY	9,652,956	9,146,967
	PROCUREMENT, MARINE CORPS		
	TRACKED COMBAT VEHICLES		
001	AAV7A1 PIP	39,495	39,495
002	AMPHIBIOUS COMBAT VEHICLE 1.1	317,935	313,135
	Excess engineering change orders		[-4,800]
003	LAV PIP	60,734	60,734
	ARTILLERY AND OTHER WEAPONS		
004	155MM LIGHTWEIGHT TOWED HOWITZER	25,065	25,065
005	ARTILLERY WEAPONS SYSTEM	100,002	90,002
	Equipment previously funded and cost growth		[-10,000]
006	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION	31,945	31,945

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	OTHER SUPPORT		
007	MODIFICATION KITS	22,760	22,760
	GUIDED MISSILES		
008	GROUND BASED AIR DEFENSE	175,998	175,998
009	ANTI-ARMOR MISSILE-JAVELIN	20,207	20,207
010	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS)	21,913	21,913
011	ANTI-ARMOR MISSILE-TOW	60,501	60,501
012	GUIDED MLRS ROCKET (GMLRS)	29,062	28,062
	Unit cost discrepancy		[-1,000]
	COMMAND AND CONTROL SYSTEMS		
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C	37,203	32,203
	AN/MRQ-13 communications subsystems upgrades unjustified growth		[-5,000]
	REPAIR AND TEST EQUIPMENT		
014	REPAIR AND TEST EQUIPMENT	55,156	55,156
	OTHER SUPPORT (TEL)		
015	MODIFICATION KITS	4,945	4,945
	COMMAND AND CONTROL SYSTEM (NON-TEL)		
016	ITEMS UNDER \$5 MILLION (COMM & ELEC)	112,124	83,124
	Unit cost growth		[-29,000]
017	AIR OPERATIONS C2 SYSTEMS	17,408	17,408
	RADAR + EQUIPMENT (NON-TEL)		
018	RADAR SYSTEMS	329	329
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	273,022	273,022
	INTELL/COMM EQUIPMENT (NON-TEL)		
021	GCSS-MC	4,484	4,484
022	FIRE SUPPORT SYSTEM	35,488	35,488
023	INTELLIGENCE SUPPORT EQUIPMENT	56,896	54,396
	Unjustified growth		[-2,500]
025	UNMANNED AIR SYSTEMS (INTEL)	34,711	34,711
026	DCGS-MC	32,562	32,562
	OTHER SUPPORT (NON-TEL)		
030	NEXT GENERATION ENTERPRISE NETWORK (NGEN)	114,901	114,901
031	COMMON COMPUTER RESOURCES	51,094	51,094
032	COMMAND POST SYSTEMS	108,897	108,897
033	RADIO SYSTEMS	227,320	212,320
	Cost growth and early to need		[-15,000]
034	COMM SWITCHING & CONTROL SYSTEMS	31,685	23,685
	ECP small form factor previously funded		[-8,000]
035	COMM & ELEC INFRASTRUCTURE SUPPORT	21,140	21,140
036	CYBERSPACE ACTIVITIES	27,632	27,632
	CLASSIFIED PROGRAMS		
036A	CLASSIFIED PROGRAMS	5,535	5,535
	ADMINISTRATIVE VEHICLES		
037	COMMERCIAL CARGO VEHICLES	28,913	28,913
	TACTICAL VEHICLES		
038	MOTOR TRANSPORT MODIFICATIONS	19,234	19,234
039	JOINT LIGHT TACTICAL VEHICLE	558,107	556,107
	ECP previously funded		[-2,000]
040	FAMILY OF TACTICAL TRAILERS	2,693	2,693
	ENGINEER AND OTHER EQUIPMENT		
041	ENVIRONMENTAL CONTROL EQUIP ASSORT	495	495
042	TACTICAL FUEL SYSTEMS	52	52
043	POWER EQUIPMENT ASSORTED	22,441	22,441
044	AMPHIBIOUS SUPPORT EQUIPMENT	7,101	7,101
045	EOD SYSTEMS	44,700	44,700
	MATERIALS HANDLING EQUIPMENT		
046	PHYSICAL SECURITY EQUIPMENT	15,404	15,404
	GENERAL PROPERTY		
047	FIELD MEDICAL EQUIPMENT	2,898	2,898
048	TRAINING DEVICES	149,567	126,567
	ODS unjustified request		[-23,000]
049	FAMILY OF CONSTRUCTION EQUIPMENT	35,622	35,622
050	ULTRA-LIGHT TACTICAL VEHICLE (ULTV)	647	647
	OTHER SUPPORT		
051	ITEMS LESS THAN \$5 MILLION	10,956	10,956
	SPARES AND REPAIR PARTS		
052	SPARES AND REPAIR PARTS	33,470	33,470
	TOTAL PROCUREMENT, MARINE CORPS	3,090,449	2,990,149
	AIRCRAFT PROCUREMENT, AIR FORCE		
	TACTICAL FORCES		
001	F-35	4,274,359	5,126,409
	Program increase		[1,042,800]
	Target cost savings		[-190,750]
002	F-35	655,500	655,500
003	F-15E	1,050,000	941,000
	Unjustified non-recurring engineering		[-109,000]
	TACTICAL AIRLIFT		

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
005	KC-46A MDAP	2,234,529	2,199,705
	Excess to need		[-34,824]
	OTHER AIRLIFT		
006	C-130J	12,156	404,156
	Program increase		[392,000]
008	MC-130J	871,207	871,207
009	MC-130J	40,000	40,000
	HELICOPTERS		
010	COMBAT RESCUE HELICOPTER	884,235	876,235
	Excess to need		[-8,000]
	MISSION SUPPORT AIRCRAFT		
011	C-37A	161,000	161,000
012	CIVIL AIR PATROL A/C	2,767	2,767
	OTHER AIRCRAFT		
014	TARGET DRONES	130,837	130,837
015	COMPASS CALL	114,095	114,095
017	MQ-9	189,205	313,005
	Program increase		[137,800]
	Unit cost growth		[-14,000]
	STRATEGIC AIRCRAFT		
019	B-2A	9,582	9,582
020	B-1B	22,111	22,111
021	B-52	69,648	69,648
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES	43,758	43,758
	TACTICAL AIRCRAFT		
023	A-10	132,069	132,069
024	E-11 BACN/HAG	70,027	90,027
	Aircraft increase		[20,000]
025	F-15	481,073	480,443
	F-15C MUOS ahead of need		[-630]
026	F-16	234,782	234,782
028	F-22A	323,597	323,597
030	F-35 MODIFICATIONS	343,590	343,590
031	F-15 EPAW	149,047	25,047
	Prior-year carryover		[-124,000]
032	INCREMENT 3.2B	20,213	20,213
033	KC-46A MDAP	10,213	3,639
	Excess to need		[-6,574]
	AIRLIFT AIRCRAFT		
034	C-5	73,550	73,550
036	C-17A	60,244	60,244
037	C-21	216	216
038	C-32A	11,511	11,511
039	C-37A	435	435
	TRAINER AIRCRAFT		
040	GLIDER MODS	138	138
041	T-6	11,826	11,826
042	T-1	26,787	26,787
043	T-38	37,341	45,041
	T-38 A/B ejection seat safety		[7,700]
	OTHER AIRCRAFT		
044	U-2 MODS	86,896	119,896
	Increase for U-2 enhancements		[33,000]
045	KC-10A (ATCA)	2,108	2,108
046	C-12	3,021	3,021
047	VC-25A MOD	48,624	48,624
048	C-40	256	256
049	C-130	52,066	186,066
	3.5 Engine Enhancement Package		[79,000]
	NP-2000 prop blade upgrades		[55,000]
050	C-130J MODS	141,686	141,686
051	C-135	124,491	124,491
053	COMPASS CALL	110,754	110,754
054	COMBAT FLIGHT INSPECTION—CFIN	508	508
055	RC-135	227,673	227,673
056	E-3	216,299	216,299
057	E-4	58,477	58,477
058	E-8	28,778	56,778
	Increase for re-engining		[28,000]
059	AIRBORNE WARNING AND CNTRL SYS (AWACS) 40/45	36,000	36,000
060	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	7,910	7,910
061	H-1	3,817	3,817
062	H-60	20,879	20,879
063	RQ-4 MODS	1,704	1,704
064	HC/MC-130 MODIFICATIONS	51,482	51,482
065	OTHER AIRCRAFT	50,098	50,098
066	MQ-9 MODS	383,594	251,594
	Production rate adjustment of DAS-4 sensor		[-132,000]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
068	CV-22 MODS	65,348	65,348
	AIRCRAFT SPARES AND REPAIR PARTS		
069	INITIAL SPARES/REPAIR PARTS	708,230	584,830
	Unjustified F-15C requirements		[-123,400]
	COMMON SUPPORT EQUIPMENT		
072	AIRCRAFT REPLACEMENT SUPPORT EQUIP	84,938	84,938
	POST PRODUCTION SUPPORT		
073	B-2A	1,403	1,403
074	B-2B	42,234	42,234
075	B-52	4,641	4,641
076	C-17A	124,805	124,805
079	F-15	2,589	2,589
081	F-16	15,348	14,748
	Line shutdown early to need		[-600]
084	RQ-4 POST PRODUCTION CHARGES	47,246	47,246
	INDUSTRIAL PREPAREDNESS		
086	INDUSTRIAL RESPONSIVENESS	17,705	17,705
	WAR CONSUMABLES		
087	WAR CONSUMABLES	32,102	32,102
	OTHER PRODUCTION CHARGES		
088	OTHER PRODUCTION CHARGES	1,194,728	1,106,728
	F-22 NGEN lab excess		[-72,000]
	RQ-4 delayed obligations		[-16,000]
	CLASSIFIED PROGRAMS		
090A	CLASSIFIED PROGRAMS	34,193	34,193
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	16,784,279	17,747,801
	MISSILE PROCUREMENT, AIR FORCE		
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC		
001	MISSILE REPLACEMENT EQ-BALLISTIC	55,888	55,888
	TACTICAL		
002	REPLAC EQUIP & WAR CONSUMABLES	9,100	9,100
003	JOINT AIR-TO-GROUND MUNITION	15,000	0
	Unjustified requirement (JAGM-F)		[-15,000]
004	JOINT AIR-SURFACE STANDOFF MISSILE	482,525	482,525
006	SIDEWINDER (AIM-9X)	160,408	160,408
007	AMRAAM	332,250	332,250
008	PREDATOR HELLFIRE MISSILE	118,860	111,160
	Unit cost savings		[-7,700]
009	SMALL DIAMETER BOMB	275,438	275,438
010	SMALL DIAMETER BOMB II	212,434	201,434
	Unit cost growth		[-11,000]
	INDUSTRIAL FACILITIES		
011	INDUSTRIAL PREPAREDNESS/POL PREVENTION	801	801
	CLASS IV		
012	ICBM FUZE MOD	5,000	5,000
013	ICBM FUZE MOD	14,497	14,497
014	MM III MODIFICATIONS	50,831	50,831
015	AGM-65D MAVERICK	294	294
016	AIR LAUNCH CRUISE MISSILE (ALCM)	77,387	77,387
	MISSILE SPARES AND REPAIR PARTS		
018	MSL SPARES/REPAIR PARTS (INITIAL)	1,910	1,910
019	REPLEN SPARES/REPAIR PARTS	82,490	82,490
	SPECIAL PROGRAMS		
023	SPECIAL UPDATE PROGRAMS	144,553	144,553
	CLASSIFIED PROGRAMS		
023A	CLASSIFIED PROGRAMS	849,521	849,521
	TOTAL MISSILE PROCUREMENT, AIR FORCE	2,889,187	2,855,487
	SPACE PROCUREMENT, AIR FORCE		
	SPACE PROGRAMS		
001	ADVANCED EHF	31,894	31,894
002	AF SATELLITE COMM SYSTEM	56,298	56,298
004	COUNTERSPACE SYSTEMS	5,700	5,700
005	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	34,020	24,020
	Unjustified growth		[-10,000]
007	GENERAL INFORMATION TECH—SPACE	3,244	3,244
008	GPSIII FOLLOW ON	414,625	414,625
009	GPS III SPACE SEGMENT	31,466	31,466
012	SPACEBORNE EQUIP (COMSEC)	32,031	32,031
013	MILSATCOM	11,096	11,096
015	EVOLVED EXPENDABLE LAUNCH VEH(SPACE)	1,237,635	1,237,635
016	SBIR HIGH (SPACE)	233,952	218,012
	Unjustified growth		[-15,940]
017	NUDET DETECTION SYSTEM	7,432	7,432
018	ROCKET SYSTEMS LAUNCH PROGRAM	11,473	11,473
019	SPACE FENCE	71,784	50,284
	Unjustified growth		[-21,500]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
020	SPACE MODS	106,330	86,330
	Unjustified growth		[-20,000]
021	SPACELIFT RANGE SYSTEM SPACE	118,140	118,140
	SSPARES		
022	SPARES AND REPAIR PARTS	7,263	7,263
	TOTAL SPACE PROCUREMENT, AIR FORCE	2,414,383	2,346,943
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	ROCKETS		
001	ROCKETS	133,268	115,268
	APKWS Mk 66 rocket motor price adjustment		[-18,000]
	CARTRIDGES		
002	CARTRIDGES	140,449	140,449
	BOMBS		
003	PRACTICE BOMBS	29,313	29,313
004	GENERAL PURPOSE BOMBS	85,885	85,885
006	JOINT DIRECT ATTACK MUNITION	1,066,224	1,019,224
	LJDAM sensor cost adjustment		[-10,000]
	Tailkit unit cost adjustment		[-37,000]
007	B61	80,773	80,773
	OTHER ITEMS		
009	CAD/PAD	47,069	47,069
010	EXPLOSIVE ORDNANCE DISPOSAL (EOD)	6,133	6,133
011	SPARES AND REPAIR PARTS	533	533
012	MODIFICATIONS	1,291	1,291
013	ITEMS LESS THAN \$5,000,000	1,677	1,677
	FLARES		
015	FLARES	36,116	36,116
	FUZES		
016	FUZES	1,734	1,734
	SMALL ARMS		
017	SMALL ARMS	37,496	32,496
	Program decrease		[-5,000]
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	1,667,961	1,597,961
	OTHER PROCUREMENT, AIR FORCE		
	PASSENGER CARRYING VEHICLES		
001	PASSENGER CARRYING VEHICLES	15,238	15,238
	CARGO AND UTILITY VEHICLES		
002	MEDIUM TACTICAL VEHICLE	34,616	29,616
	Unjustified unit cost increases		[-5,000]
003	CAP VEHICLES	1,040	3,567
	Program increase—communications		[1,867]
	Program increase—vehicles		[660]
004	CARGO AND UTILITY VEHICLES	23,133	18,588
	Program increase		[455]
	Program reduction		[-5,000]
	SPECIAL PURPOSE VEHICLES		
005	JOINT LIGHT TACTICAL VEHICLE	32,027	22,027
	Program reduction		[-10,000]
006	SECURITY AND TACTICAL VEHICLES	1,315	1,315
007	SPECIAL PURPOSE VEHICLES	14,593	9,593
	Program reduction—prior year carryover		[-5,000]
	FIRE FIGHTING EQUIPMENT		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	28,604	28,604
	MATERIALS HANDLING EQUIPMENT		
009	MATERIALS HANDLING VEHICLES	21,848	21,848
	BASE MAINTENANCE SUPPORT		
010	RUNWAY SNOW REMOV AND CLEANING EQU	2,925	3,259
	Program increase		[334]
011	BASE MAINTENANCE SUPPORT VEHICLES	55,776	52,876
	Program increase		[2,100]
	Program reduction		[-5,000]
	COMM SECURITY EQUIPMENT(COMSEC)		
013	COMSEC EQUIPMENT	91,461	91,461
	INTELLIGENCE PROGRAMS		
014	INTERNATIONAL INTEL TECH & ARCHITECTURES	11,386	11,386
015	INTELLIGENCE TRAINING EQUIPMENT	7,619	7,619
016	INTELLIGENCE COMM EQUIPMENT	35,558	32,058
	IMAD unjustified procurement		[-3,500]
	ELECTRONICS PROGRAMS		
017	AIR TRAFFIC CONTROL & LANDING SYS	17,939	17,939
019	BATTLE CONTROL SYSTEM—FIXED	3,063	3,063
021	WEATHER OBSERVATION FORECAST	31,447	31,447
022	STRATEGIC COMMAND AND CONTROL	5,090	5,090
023	CHEYENNE MOUNTAIN COMPLEX	10,145	10,145
024	MISSION PLANNING SYSTEMS	14,508	14,508
026	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN)	9,901	9,901

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
SPCL COMM-ELECTRONICS PROJECTS			
027	GENERAL INFORMATION TECHNOLOGY	26,933	26,933
028	AF GLOBAL COMMAND & CONTROL SYS	2,756	2,756
029	BATTLEFIELD AIRBORNE CONTROL NODE (BACN)	48,478	48,478
030	MOBILITY COMMAND AND CONTROL	21,186	21,186
031	AIR FORCE PHYSICAL SECURITY SYSTEM	178,361	158,361
	Program reduction		[-20,000]
032	COMBAT TRAINING RANGES	233,993	247,593
	Joint threat emitter increase		[13,600]
033	MINIMUM ESSENTIAL EMERGENCY COMM N	132,648	132,648
034	WIDE AREA SURVEILLANCE (WAS)	80,818	47,929
	Program decrease		[-32,889]
035	C3 COUNTERMEASURES	25,036	25,036
036	INTEGRATED PERSONNEL AND PAY SYSTEM	20,900	20,900
037	GCSS-AF FOS	11,226	11,226
038	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS	1,905	1,905
039	MAINTENANCE REPAIR & OVERHAUL INITIATIVE	1,912	1,912
040	THEATER BATTLE MGT C2 SYSTEM	6,337	6,337
041	AIR & SPACE OPERATIONS CENTER (AOC)	33,243	33,243
AIR FORCE COMMUNICATIONS			
043	BASE INFORMATION TRANSPRT INFRAST (BITI) WIRED	69,530	59,530
	Program decrease		[-10,000]
044	AFNET	147,063	147,063
045	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	6,505	6,505
046	USCENTCOM	20,190	20,190
047	USSTRATCOM	11,244	11,244
ORGANIZATION AND BASE			
048	TACTICAL C-E EQUIPMENT	143,757	143,757
050	RADIO EQUIPMENT	15,402	15,402
051	CCTV/AUDIOVISUAL EQUIPMENT	3,211	3,211
052	BASE COMM INFRASTRUCTURE	43,123	43,123
MODIFICATIONS			
053	COMM ELECT MODS	14,500	14,500
PERSONAL SAFETY & RESCUE EQUIP			
054	PERSONAL SAFETY AND RESCUE EQUIPMENT	50,634	47,634
	Unit cost increase and early to need		[-3,000]
DEPOT PLANT+MTRLS HANDLING EQ			
055	POWER CONDITIONING EQUIPMENT	11,000	11,000
056	MECHANIZED MATERIAL HANDLING EQUIP	11,901	11,901
BASE SUPPORT EQUIPMENT			
057	BASE PROCURED EQUIPMENT	23,963	23,963
058	ENGINEERING AND EOD EQUIPMENT	34,124	34,124
059	MOBILITY EQUIPMENT	26,439	26,439
060	FUELS SUPPORT EQUIPMENT (FSE)	24,255	24,255
061	BASE MAINTENANCE AND SUPPORT EQUIPMENT	38,986	38,986
SPECIAL SUPPORT PROJECTS			
063	DARP RC135	26,716	26,716
064	DCGS-AF	116,055	116,055
066	SPECIAL UPDATE PROGRAM	835,148	835,148
CLASSIFIED PROGRAMS			
066A	CLASSIFIED PROGRAMS	18,292,807	18,292,807
SPARES AND REPAIR PARTS			
067	SPARES AND REPAIR PARTS	81,340	81,340
	TOTAL OTHER PROCUREMENT, AIR FORCE	21,342,857	21,262,484
PROCUREMENT, DEFENSE-WIDE			
MAJOR EQUIPMENT, OSD			
022	MAJOR EQUIPMENT, DPAA	1,504	1,504
045	MAJOR EQUIPMENT, OSD	43,705	43,705
MAJOR EQUIPMENT, NSA			
044	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	1,533	133
	Realignment to DISA for Sharkseer		[-1,400]
MAJOR EQUIPMENT, WHS			
049	MAJOR EQUIPMENT, WHS	507	507
MAJOR EQUIPMENT, DISA			
008	INFORMATION SYSTEMS SECURITY	3,318	4,718
	Realignment for Sharkseer		[1,400]
009	TELEPORT PROGRAM	25,103	25,103
010	ITEMS LESS THAN \$5 MILLION	26,416	26,416
012	DEFENSE INFORMATION SYSTEM NETWORK	17,574	17,574
014	WHITE HOUSE COMMUNICATION AGENCY	45,079	45,079
015	SENIOR LEADERSHIP ENTERPRISE	78,669	78,669
016	JOINT REGIONAL SECURITY STACKS (JRSS)	88,000	83,000
	Program decrease		[-5,000]
017	JOINT SERVICE PROVIDER	107,907	107,907
MAJOR EQUIPMENT, DLA			
019	MAJOR EQUIPMENT	8,122	8,122
MAJOR EQUIPMENT, DSS			

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
023	MAJOR EQUIPMENT	496	496
	MAJOR EQUIPMENT, TJS		
046	MAJOR EQUIPMENT, TJS	6,905	6,905
047	MAJOR EQUIPMENT—TJS CYBER	1,458	1,458
	MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY		
028	THAAD	425,863	425,863
029	GROUND BASED MIDCOURSE	9,471	9,471
031	AEGIS BMD	600,773	600,773
032	AEGIS BMD	96,995	96,995
033	BMDS AN/TPY-2 RADARS	10,046	10,046
034	ARROW 3 UPPER TIER SYSTEMS	55,000	55,000
035	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	50,000	50,000
036	AEGIS ASHORE PHASE III	25,659	25,659
037	IRON DOME	95,000	95,000
038	AEGIS BMD HARDWARE AND SOFTWARE	124,986	124,986
	MAJOR EQUIPMENT, DHRA		
003	PERSONNEL ADMINISTRATION	5,030	5,030
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
025	VEHICLES	211	211
026	OTHER MAJOR EQUIPMENT	11,521	11,521
	MAJOR EQUIPMENT, DODEA		
021	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	1,320	1,320
	MAJOR EQUIPMENT, DCMA		
002	MAJOR EQUIPMENT	2,432	2,432
	MAJOR EQUIPMENT, DMACT		
020	MAJOR EQUIPMENT	10,961	10,961
	CLASSIFIED PROGRAMS		
049A	CLASSIFIED PROGRAMS	589,366	589,366
	AVIATION PROGRAMS		
053	ROTARY WING UPGRADES AND SUSTAINMENT	172,020	172,020
054	UNMANNED ISR	15,208	15,208
055	NON-STANDARD AVIATION	32,310	32,310
056	U-28	10,898	10,898
057	MH-47 CHINOOK	173,812	170,312
	Excess growth		[-3,500]
058	CV-22 MODIFICATION	17,256	17,256
059	MQ-9 UNMANNED AERIAL VEHICLE	5,338	5,338
060	PRECISION STRIKE PACKAGE	232,930	232,930
061	AC/MC-130J	173,419	153,119
	Realignment for RFCM		[-8,500]
	Realignment to Future Vertical Lift		[-8,800]
	RFCM excess to need		[-3,000]
062	C-130 MODIFICATIONS	15,582	15,582
	SHIPBUILDING		
063	UNDERWATER SYSTEMS	58,991	58,991
	AMMUNITION PROGRAMS		
064	ORDNANCE ITEMS <\$5M	279,992	279,992
	OTHER PROCUREMENT PROGRAMS		
065	INTELLIGENCE SYSTEMS	100,641	100,641
066	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	12,522	12,522
067	OTHER ITEMS <\$5M	103,910	103,910
068	COMBATANT CRAFT SYSTEMS	33,088	33,088
069	SPECIAL PROGRAMS	63,467	63,467
070	TACTICAL VEHICLES	77,832	77,832
071	WARRIOR SYSTEMS <\$5M	298,480	298,480
072	COMBAT MISSION REQUIREMENTS	19,702	19,702
073	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,787	4,787
074	OPERATIONAL ENHANCEMENTS INTELLIGENCE	8,175	8,175
075	OPERATIONAL ENHANCEMENTS	282,532	282,532
	CBDP		
076	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	162,406	162,406
077	CB PROTECTION & HAZARD MITIGATION	188,188	188,188
	TOTAL PROCUREMENT, DEFENSE-WIDE	5,114,416	5,085,616
	JOINT URGENT OPERATIONAL NEEDS FUND		
	JOINT URGENT OPERATIONAL NEEDS FUND		
001	JOINT URGENT OPERATIONAL NEEDS FUND	99,200	0
	Program decrease		[-99,200]
	TOTAL JOINT URGENT OPERATIONAL NEEDS FUND	99,200	0
	TOTAL PROCUREMENT	132,343,701	130,592,919

1 SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY

2 OPERATIONS.

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
AIRCRAFT PROCUREMENT, ARMY			
FIXED WING			
003	MQ-1 UAV	54,000	54,000
ROTARY			
015	CH-47 HELICOPTER	25,000	25,000
MODIFICATION OF AIRCRAFT			
021	MULTI SENSOR ABN RECON (MIP)	80,260	80,260
024	GRCS SEMA MODS (MIP)	750	750
026	EMARSS SEMA MODS (MIP)	22,180	22,180
027	UTILITY/CARGO AIRPLANE MODS	8,362	8,362
029	NETWORK AND MISSION PLAN	10	10
031	DEGRADED VISUAL ENVIRONMENT	49,450	0
	Early to need		[-49,450]
GROUND SUPPORT AVIONICS			
037	CMWS	130,219	130,219
038	COMMON INFRARED COUNTERMEASURES (CIRCM)	9,310	9,310
OTHER SUPPORT			
045	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	2,000	2,000
	TOTAL AIRCRAFT PROCUREMENT, ARMY	381,541	332,091
MISSILE PROCUREMENT, ARMY			
SURFACE-TO-AIR MISSILE SYSTEM			
002	M-SHORAD—PROCUREMENT	158,300	158,300
003	MSE MISSILE	37,938	37,938
AIR-TO-SURFACE MISSILE SYSTEM			
006	HELLFIRE SYS SUMMARY	236,265	236,265
ANTI-TANK/ASSAULT MISSILE SYS			
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	4,389	4,389
011	GUIDED MLRS ROCKET (GMLRS)	431,596	431,596
014	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM	130,770	130,770
015	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)	83,300	83,300
MODIFICATIONS			
019	STINGER MODS	7,500	7,500
022	MLRS MODS	348,000	325,000
	Excess to need		[-23,000]
	TOTAL MISSILE PROCUREMENT, ARMY	1,438,058	1,415,058
PROCUREMENT OF W&TCV, ARMY			
TRACKED COMBAT VEHICLES			
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	221,638	221,638
MODIFICATION OF TRACKED COMBAT VEHICLES			
003	STRYKER (MOD)	4,100	4,100
008	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	80,146	80,146
013	M1 ABRAMS TANK (MOD)	13,100	13,100
WEAPONS & OTHER COMBAT VEHICLES			
015	M240 MEDIUM MACHINE GUN (7.62MM)	900	900
016	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S	2,400	2,400
019	MORTAR SYSTEMS	18,941	18,941
020	XM320 GRENADE LAUNCHER MODULE (GLM)	526	526
023	CARBINE	1,183	1,183
025	COMMON REMOTELY OPERATED WEAPONS STATION	4,182	4,182
026	HANDGUN	248	248
MOD OF WEAPONS AND OTHER COMBAT VEH			
031	M2 50 CAL MACHINE GUN MODS	6,090	6,090
	TOTAL PROCUREMENT OF W&TCV, ARMY	353,454	353,454
PROCUREMENT OF AMMUNITION, ARMY			
SMALL/MEDIUM CAL AMMUNITION			
001	CTG, 5.56MM, ALL TYPES	567	567
002	CTG, 7.62MM, ALL TYPES	40	40
003	CTG, HANDGUN, ALL TYPES	17	17
004	CTG, .50 CAL, ALL TYPES	189	189
007	CTG, 30MM, ALL TYPES	24,900	24,900
ARTILLERY AMMUNITION			
015	PROJ 155MM EXTENDED RANGE M982	36,052	36,052
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	7,271	7,271
ROCKETS			
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	176	176
019	ROCKET, HYDRA 70, ALL TYPES	79,459	79,459
MISCELLANEOUS			
027	ITEMS LESS THAN \$5 MILLION (AMMO)	11	11
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	148,682	148,682

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS			
(In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
OTHER PROCUREMENT, ARMY			
TACTICAL VEHICLES			
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	26,917	26,917
011	PLS ESP	16,941	16,941
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	62,734	62,734
014	TACTICAL WHEELED VEHICLE PROTECTION KITS	50,000	50,000
015	MODIFICATION OF IN SVC EQUIP	28,000	28,000
COMM—JOINT COMMUNICATIONS			
022	TACTICAL NETWORK TECHNOLOGY MOD IN SVC	40,000	40,000
COMM—SATELLITE COMMUNICATIONS			
029	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	6,930	6,930
031	ASSURED POSITIONING, NAVIGATION AND TIMING	11,778	11,778
032	SMART-T (SPACE)	825	825
COMM—COMBAT COMMUNICATIONS			
040	RADIO TERMINAL SET, MIDS LVT(2)	350	350
047	COTS COMMUNICATIONS EQUIPMENT	20,400	20,400
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	1,231	1,231
COMM—INTELLIGENCE COMM			
051	CI AUTOMATION ARCHITECTURE (MIP)	6,200	6,200
COMM—LONG HAUL COMMUNICATIONS			
059	BASE SUPPORT COMMUNICATIONS	20,482	15,482
	Insufficient budget justification		[-5,000]
COMM—BASE COMMUNICATIONS			
060	INFORMATION SYSTEMS	55,800	50,800
	Unjustified growth		[-5,000]
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	75,820	75,820
ELECT EQUIP—TACT INT REL ACT (TIARA)			
068	DCGS-A (MIP)	38,613	38,613
070	TROJAN (MIP)	1,337	1,337
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	2,051	2,051
075	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)	1,800	1,800
ELECT EQUIP—ELECTRONIC WARFARE (EW)			
082	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP)	71,493	31,493
	Unjustified growth		[-40,000]
083	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	6,917	6,917
ELECT EQUIP—TACTICAL SURV. (TAC SURV)			
085	SENTINEL MODS	20,000	20,000
086	NIGHT VISION DEVICES	3,676	3,676
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	25,568	25,568
097	COMPUTER BALLISTICS: LHMCB XM32	570	570
098	MORTAR FIRE CONTROL SYSTEM	15,975	15,975
ELECT EQUIP—TACTICAL C2 SYSTEMS			
103	AIR & MSL DEFENSE PLANNING & CONTROL SYS	14,331	14,331
ELECT EQUIP—AUTOMATION			
112	ARMY TRAINING MODERNIZATION	6,014	6,014
113	AUTOMATED DATA PROCESSING EQUIP	32,700	32,700
CHEMICAL DEFENSIVE EQUIPMENT			
124	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	25,480	25,480
125	BASE DEFENSE SYSTEMS (BDS)	47,110	47,110
126	CBRN DEFENSE	18,711	18,711
BRIDGING EQUIPMENT			
128	TACTICAL BRIDGING	4,884	4,884
ENGINEER (NON-CONSTRUCTION) EQUIPMENT			
133	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	4,500	4,500
135	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	34,253	34,253
136	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	3,300	3,300
140	RENDER SAFE SETS KITS OUTFITS	84,000	84,000
COMBAT SERVICE SUPPORT EQUIPMENT			
143	HEATERS AND ECU'S	8	8
145	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	5,101	5,101
146	GROUND SOLDIER SYSTEM	1,760	1,760
148	FORCE PROVIDER	56,400	56,400
150	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	2,040	2,040
PETROLEUM EQUIPMENT			
154	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	13,986	13,986
MEDICAL EQUIPMENT			
155	COMBAT SUPPORT MEDICAL	2,735	2,735
CONSTRUCTION EQUIPMENT			
159	SCRAPERS, EARTHMOVING	4,669	4,669
160	LOADERS	380	380
162	TRACTOR, FULL TRACKED	8,225	8,225
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	3,000	3,000
166	CONST EQUIP ESP	3,870	3,870
167	ITEMS LESS THAN \$5.0M (CONST EQUIP)	350	350
GENERATORS			
171	GENERATORS AND ASSOCIATED EQUIP	2,436	2,436
MATERIAL HANDLING EQUIPMENT			
173	FAMILY OF FORKLIFTS	5,152	5,152

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS			
(In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
TRAINING EQUIPMENT			
175	TRAINING DEVICES, NONSYSTEM	2,106	2,106
TEST MEASURE AND DIG EQUIPMENT (TMD)			
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	1,395	1,395
OTHER SUPPORT EQUIPMENT			
184	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	24,122	24,122
185	PHYSICAL SECURITY SYSTEMS (OPA3)	10,016	10,016
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	33,354	33,354
189	BUILDING, PRE-FAB, RELOCATABLE	62,654	62,654
	TOTAL OTHER PROCUREMENT, ARMY	1,131,450	1,081,450
AIRCRAFT PROCUREMENT, NAVY			
OTHER AIRCRAFT			
026	STUASLO UAV	7,921	7,921
027	MQ-9A REAPER	77,000	0
	Unjustified OCO request		[-77,000]
MODIFICATION OF AIRCRAFT			
036	EP-3 SERIES	5,488	5,488
046	SPECIAL PROJECT AIRCRAFT	3,498	3,498
051	COMMON ECM EQUIPMENT	3,406	3,406
053	COMMON DEFENSIVE WEAPON SYSTEM	3,274	3,274
062	QRC	18,458	18,458
	TOTAL AIRCRAFT PROCUREMENT, NAVY	119,045	42,045
WEAPONS PROCUREMENT, NAVY			
TACTICAL MISSILES			
011	JOINT AIR GROUND MISSILE (JAGM)	90,966	90,966
015	AERIAL TARGETS	6,500	6,500
	TOTAL WEAPONS PROCUREMENT, NAVY	97,466	97,466
PROCUREMENT OF AMMO, NAVY & MC			
NAVY AMMUNITION			
001	GENERAL PURPOSE BOMBS	26,978	26,978
002	JDAM	12,263	12,263
003	AIRBORNE ROCKETS, ALL TYPES	45,020	45,020
004	MACHINE GUN AMMUNITION	33,577	33,577
005	PRACTICE BOMBS	11,903	11,903
006	CARTRIDGES & CART ACTUATED DEVICES	15,081	15,081
007	AIR EXPENDABLE COUNTERMEASURES	16,911	16,911
011	OTHER SHIP GUN AMMUNITION	3,262	3,262
012	SMALL ARMS & LANDING PARTY AMMO	1,010	1,010
013	PYROTECHNIC AND DEMOLITION	537	537
MARINE CORPS AMMUNITION			
016	MORTARS	1,930	1,930
017	DIRECT SUPPORT MUNITIONS	1,172	1,172
018	INFANTRY WEAPONS AMMUNITION	2,158	2,158
019	COMBAT SUPPORT MUNITIONS	965	965
021	ARTILLERY MUNITIONS	32,047	32,047
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	204,814	204,814
OTHER PROCUREMENT, NAVY			
OTHER SHIPBOARD EQUIPMENT			
020	UNDERWATER EOD PROGRAMS	5,800	5,800
ASW ELECTRONIC EQUIPMENT			
042	FIXED SURVEILLANCE SYSTEM	310,503	310,503
SONOBUOYS			
085	SONOBUOYS—ALL TYPES	2,910	2,910
AIRCRAFT SUPPORT EQUIPMENT			
088	AIRCRAFT SUPPORT EQUIPMENT	13,420	13,420
094	AVIATION SUPPORT EQUIPMENT	500	500
OTHER ORDNANCE SUPPORT EQUIPMENT			
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	15,307	15,307
CIVIL ENGINEERING SUPPORT EQUIPMENT			
108	PASSENGER CARRYING VEHICLES	173	173
109	GENERAL PURPOSE TRUCKS	408	408
111	FIRE FIGHTING EQUIPMENT	785	785
SUPPLY SUPPORT EQUIPMENT			
117	SUPPLY EQUIPMENT	100	100
118	FIRST DESTINATION TRANSPORTATION	510	510
COMMAND SUPPORT EQUIPMENT			
122	COMMAND SUPPORT EQUIPMENT	2,800	2,800
123	MEDICAL SUPPORT EQUIPMENT	1,794	1,794
126	OPERATING FORCES SUPPORT EQUIPMENT	1,090	1,090
128	ENVIRONMENTAL SUPPORT EQUIPMENT	200	200
129	PHYSICAL SECURITY EQUIPMENT	1,300	1,300
	TOTAL OTHER PROCUREMENT, NAVY	357,600	357,600
PROCUREMENT, MARINE CORPS			

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS			
(In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	GUIDED MISSILES		
012	GUIDED MLRS ROCKET (GMLRS)	16,919	16,919
	ENGINEER AND OTHER EQUIPMENT		
045	EOD SYSTEMS	3,670	3,670
	TOTAL PROCUREMENT, MARINE CORPS	20,589	20,589
	AIRCRAFT PROCUREMENT, AIR FORCE		
	OTHER AIRCRAFT		
017	MQ-9	172,240	172,240
018	RQ-20B PUMA	12,150	12,150
	STRATEGIC AIRCRAFT		
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES	53,335	53,335
	OTHER AIRCRAFT		
067	MQ-9 UAS PAYLOADS	19,800	19,800
	AIRCRAFT SPARES AND REPAIR PARTS		
069	INITIAL SPARES/REPAIR PARTS	44,560	44,560
	COMMON SUPPORT EQUIPMENT		
072	AIRCRAFT REPLACEMENT SUPPORT EQUIP	7,025	7,025
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	309,110	309,110
	MISSILE PROCUREMENT, AIR FORCE		
	TACTICAL		
004	JOINT AIR-SURFACE STANDOFF MISSILE	20,900	20,900
008	PREDATOR HELLFIRE MISSILE	180,771	180,771
	TOTAL MISSILE PROCUREMENT, AIR FORCE	201,671	201,671
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	ROCKETS		
001	ROCKETS	84,960	84,960
	CARTRIDGES		
002	CARTRIDGES	52,642	52,642
	BOMBS		
004	GENERAL PURPOSE BOMBS	545,309	545,309
	FLARES		
015	FLARES	93,272	93,272
	FUZES		
016	FUZES	157,155	157,155
	SMALL ARMS		
017	SMALL ARMS	6,095	6,095
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	939,433	939,433
	OTHER PROCUREMENT, AIR FORCE		
	PASSENGER CARRYING VEHICLES		
001	PASSENGER CARRYING VEHICLES	1,276	1,276
	CARGO AND UTILITY VEHICLES		
004	CARGO AND UTILITY VEHICLES	9,702	9,702
	SPECIAL PURPOSE VEHICLES		
005	JOINT LIGHT TACTICAL VEHICLE	40,999	40,999
007	SPECIAL PURPOSE VEHICLES	52,502	52,502
	FIRE FIGHTING EQUIPMENT		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	16,652	16,652
	MATERIALS HANDLING EQUIPMENT		
009	MATERIALS HANDLING VEHICLES	2,944	2,944
	BASE MAINTENANCE SUPPORT		
010	RUNWAY SNOW REMOV AND CLEANING EQU	3,753	3,753
011	BASE MAINTENANCE SUPPORT VEHICLES	11,837	11,837
	SPCL COMM-ELECTRONICS PROJECTS		
027	GENERAL INFORMATION TECHNOLOGY	5,000	5,000
031	AIR FORCE PHYSICAL SECURITY SYSTEM	106,919	106,919
	ORGANIZATION AND BASE		
048	TACTICAL C-E EQUIPMENT	306	306
052	BASE COMM INFRASTRUCTURE	4,300	4,300
	PERSONAL SAFETY & RESCUE EQUIP		
054	PERSONAL SAFETY AND RESCUE EQUIPMENT	22,200	22,200
	BASE SUPPORT EQUIPMENT		
059	MOBILITY EQUIPMENT	26,535	26,535
060	FUELS SUPPORT EQUIPMENT (FSE)	4,040	4,040
061	BASE MAINTENANCE AND SUPPORT EQUIPMENT	20,067	20,067
	CLASSIFIED PROGRAMS		
066A	CLASSIFIED PROGRAMS	3,209,066	3,209,066
	TOTAL OTHER PROCUREMENT, AIR FORCE	3,538,098	3,538,098
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, DISA		
009	TELEPORT PROGRAM	3,800	3,800
012	DEFENSE INFORMATION SYSTEM NETWORK	12,000	12,000
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
027	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES	4,590	4,590

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)				
Line	Item	FY 2020 Request	House Authorized	
CLASSIFIED PROGRAMS				
049A	CLASSIFIED PROGRAMS	51,380	51,380	
AVIATION PROGRAMS				
050	MANNED ISR	5,000	5,000	
051	MC-12	5,000	5,000	
052	MH-60 BLACKHAWK	28,100	28,100	
054	UNMANNED ISR	8,207	8,207	
056	U-28	31,500	31,500	
057	MH-47 CHINOOK	37,500	34,500	
	Excess growth			[-3,000]
059	MQ-9 UNMANNED AERIAL VEHICLE	1,900	1,900	
AMMUNITION PROGRAMS				
064	ORDNANCE ITEMS <\$5M	138,252	138,252	
OTHER PROCUREMENT PROGRAMS				
065	INTELLIGENCE SYSTEMS	16,500	16,500	
067	OTHER ITEMS <\$5M	28	28	
070	TACTICAL VEHICLES	2,990	2,990	
071	WARRIOR SYSTEMS <\$5M	37,512	37,512	
072	COMBAT MISSION REQUIREMENTS	10,000	10,000	
074	OPERATIONAL ENHANCEMENTS INTELLIGENCE	7,594	7,594	
075	OPERATIONAL ENHANCEMENTS	45,194	45,194	
	TOTAL PROCUREMENT, DEFENSE-WIDE	447,047	444,047	
NATIONAL GUARD AND RESERVE EQUIPMENT UNDISTRIBUTED				
	Program increase			[415,000]
	TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT			415,000
	TOTAL PROCUREMENT	9,688,058	9,900,608	

1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**
 2 **TION**
 3 **TION**

4 **SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**
 5 **TION.**

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2020 Request	House Authorized
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY				
BASIC RESEARCH				
002	0601102A	DEFENSE RESEARCH SCIENCES	297,976	297,976
003	0601103A	UNIVERSITY RESEARCH INITIATIVES	65,858	65,858
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	86,164	98,164
		Program increase		[7,000]
		Program increase—military medical innovation		[5,000]
005	0601121A	CYBER COLLABORATIVE RESEARCH ALLIANCE	4,982	4,982
		SUBTOTAL BASIC RESEARCH	454,980	466,980
APPLIED RESEARCH				
010	0602141A	LETHALITY TECHNOLOGY	26,961	26,961
011	0602142A	ARMY APPLIED RESEARCH	25,319	25,319
012	0602143A	SOLDIER LETHALITY TECHNOLOGY	115,274	125,274
		Expeditionary mobile base camp technology		[5,000]
		HEROES program		[5,000]
013	0602144A	GROUND TECHNOLOGY	35,199	45,199
		High performance polymers research		[5,000]
		Manufacturing research technology		[5,000]
014	0602145A	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	219,047	225,047
		Structural thermoplastics		[6,000]
015	0602146A	NETWORK C3I TECHNOLOGY	114,516	120,016
		Assured PNT lab		[3,000]
		Next generation SAR small sat		[2,500]
016	0602147A	LONG RANGE PRECISION FIRES TECHNOLOGY	74,327	79,327
		NextGen propulsion cycle artillery range extension		[5,000]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
017	0602148A	FUTURE VERTICLE LIFT TECHNOLOGY	93,601	96,601
		Program increase		[3,000]
018	0602150A	AIR AND MISSILE DEFENSE TECHNOLOGY	50,771	50,771
020	0602213A	C3I APPLIED CYBER	18,947	18,947
023	0602307A	ADVANCED WEAPONS TECHNOLOGY		5,000
		Directed energy test range workloads		[5,000]
037	0602784A	MILITARY ENGINEERING TECHNOLOGY		5,000
		Cellulose nanocomposites research		[5,000]
038	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	20,873	20,873
040	0602787A	MEDICAL TECHNOLOGY	99,155	102,155
		Program increase		[3,000]
		SUBTOTAL APPLIED RESEARCH	893,990	946,490
		ADVANCED TECHNOLOGY DEVELOPMENT		
041	0603001A	WARFIGHTER ADVANCED TECHNOLOGY		5,000
		Expeditionary maneuver support technologies		[5,000]
042	0603002A	MEDICAL ADVANCED TECHNOLOGY	42,030	42,030
047	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	11,038	11,038
050	0603117A	ARMY ADVANCED TECHNOLOGY DEVELOPMENT	63,338	63,338
051	0603118A	SOLDIER LETHALITY ADVANCED TECHNOLOGY	118,468	128,468
		Microlattice technology for combat helmet improvements		[5,000]
		Thermal mitigation technologies		[5,000]
052	0603119A	GROUND ADVANCED TECHNOLOGY	12,593	17,593
		Ground advanced technology for cold regions		[5,000]
059	0603457A	C3I CYBER ADVANCED DEVELOPMENT	13,769	13,769
060	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	184,755	224,755
		Program increase		[40,000]
061	0603462A	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY	160,035	170,035
		Program increase—hydrogen fuel cells		[10,000]
062	0603463A	NETWORK C3I ADVANCED TECHNOLOGY	106,899	103,899
		Underexecution		[-3,000]
063	0603464A	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	174,386	179,386
		Program increase missile demonstrations		[5,000]
064	0603465A	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY	151,640	146,640
		Excess to need		[-5,000]
065	0603466A	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY	60,613	60,613
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	1,099,564	1,166,564
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
073	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	10,987	30,987
		Conventional mission capabilities		[10,000]
		System lab integration improvements		[10,000]
074	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	15,148	15,148
075	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV	92,915	92,915
077	0603639A	TANK AND MEDIUM CALIBER AMMUNITION	82,146	82,146
078	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV	157,656	157,656
079	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	6,514	6,514
080	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	34,890	37,890
		Mobile ground terminal		[3,000]
081	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	251,011	206,011
		IVAS insufficient justification		[-45,000]
082	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	15,132	15,132
083	0603790A	NATO RESEARCH AND DEVELOPMENT	5,406	5,406
084	0603801A	AVIATION—ADV DEV	459,290	443,340
		Early to need		[-15,950]
085	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	6,254	6,254
086	0603807A	MEDICAL SYSTEMS—ADV DEV	31,175	31,175
087	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	22,113	22,113
088	0604017A	ROBOTICS DEVELOPMENT	115,222	115,222
090	0604021A	ELECTRONIC WARFARE TECHNOLOGY MATURATION (MIP)	18,043	18,043
091	0604100A	ANALYSIS OF ALTERNATIVES	10,023	10,023
092	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)	40,745	40,745
093	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR	427,772	427,772
094	0604115A	TECHNOLOGY MATURATION INITIATIVES	196,676	161,676
		Insufficient schedule detail		[-35,000]
095	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	33,100	29,100
		Excess testing cost		[-4,000]
097	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING	115,116	105,116
		Early to need		[-10,000]
099	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING	136,761	111,761

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
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Line	Program Element	Item	FY 2020 Request	House Authorized
		Early to need (IVAS)		[-25,000]
100	0604182A	HYPERSONICS	228,000	259,000
		Transfer from RDTE Defense-Wide, line 124		[31,000]
102	0604403A	FUTURE INTERCEPTOR	8,000	8,000
103	0604541A	UNIFIED NETWORK TRANSPORT	39,600	30,600
		Early to need		[-9,000]
104	0604644A	MOBILE MEDIUM RANGE MISSILE	20,000	0
		Program decrease		[-20,000]
106	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	52,102	52,102
107	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	192,562	150,062
		Project cancellation		[-42,500]
108	1206308A	ARMY SPACE SYSTEMS INTEGRATION	104,996	54,996
		Program delay		[-50,000]
SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.			2,929,355	2,726,905
SYSTEM DEVELOPMENT & DEMONSTRATION				
109	0604201A	AIRCRAFT AVIONICS	29,164	29,164
110	0604270A	ELECTRONIC WARFARE DEVELOPMENT	70,539	70,539
113	0604601A	INFANTRY SUPPORT WEAPONS	106,121	125,321
		Army unfunded priority—NGSW program increase		[19,200]
114	0604604A	MEDIUM TACTICAL VEHICLES	2,152	2,152
115	0604611A	JAVELIN	17,897	16,397
		Qualification testing early to need		[-1,500]
116	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES	16,745	16,745
117	0604633A	AIR TRAFFIC CONTROL	6,989	6,989
118	0604642A	LIGHT TACTICAL WHEELED VEHICLES	10,465	10,465
119	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	310,152	295,152
		Program delay		[-15,000]
120	0604710A	NIGHT VISION SYSTEMS—ENG DEV	181,732	166,732
		Insufficient justification (IVAS)		[-15,000]
121	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	2,393	2,393
122	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV	27,412	27,412
123	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV	43,502	38,502
		Historical underexecution		[-5,000]
124	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	11,636	11,636
125	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	10,915	10,915
126	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV	7,801	7,801
127	0604768A	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	25,000	20,000
		PFAL excess		[-5,000]
128	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	9,241	9,241
129	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	42,634	38,634
		RCO support excess		[-4,000]
130	0604802A	WEAPONS AND MUNITIONS—ENG DEV	181,023	181,023
131	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV	103,226	103,226
132	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV	12,595	12,595
133	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV	48,264	48,264
134	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV	39,208	39,208
135	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	140,637	138,137
		CPI2 testing previously funded		[-2,500]
136	0604820A	RADAR DEVELOPMENT	105,243	105,243
137	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB)	46,683	41,683
		Program decrease		[-5,000]
138	0604823A	FIREFINDER	17,294	17,294
139	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL	5,803	4,803
		Historical underexecution		[-1,000]
140	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD	98,698	128,698
		Program increase for vehicle protection evaluation		[30,000]
141	0604854A	ARTILLERY SYSTEMS—EMD	15,832	10,832
		Mobile howitzer testing early to need		[-5,000]
142	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT	126,537	126,537
143	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	142,773	99,773
		Program decrease		[-43,000]
144	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	96,730	96,730
145	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C)	6,699	6,699
146	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC)	15,882	15,882
147	0605031A	JOINT TACTICAL NETWORK (JTN)	40,808	40,808
149	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS-E)	3,847	3,847
150	0605034A	TACTICAL SECURITY SYSTEM (TSS)	6,928	6,928
151	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	34,488	34,488
152	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	10,000	10,000

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154	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE.	6,054	6,054
155	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT	62,262	62,262
156	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	35,654	28,654
		Excess growth		[-7,000]
157	0605047A	CONTRACT WRITING SYSTEM	19,682	19,682
158	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM)	1,539	1,539
159	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	64,557	64,557
160	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	243,228	243,228
161	0605053A	GROUND ROBOTICS	41,308	41,308
162	0605054A	EMERGING TECHNOLOGY INITIATIVES	45,896	41,896
		Testing and evaluation excess growth		[-4,000]
163	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION	164,883	164,883
165	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM)	9,500	9,500
166	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	208,938	203,938
		Testing and evaluation excess growth		[-5,000]
167	0605625A	MANNED GROUND VEHICLE	378,400	378,400
168	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP)	7,835	9,835
		Mobile ground terminal		[2,000]
169	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,732	7,232
		Army requested realignment from OPA 7		[4,500]
170	0605830A	AVIATION GROUND SUPPORT EQUIPMENT	1,664	1,664
172	0303032A	TROJAN—RH12	3,936	3,936
174	0304270A	ELECTRONIC WARFARE DEVELOPMENT	19,675	19,675
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	3,549,431	3,487,131
		RDT&E MANAGEMENT SUPPORT		
176	0604256A	THREAT SIMULATOR DEVELOPMENT	14,117	14,117
177	0604258A	TARGET SYSTEMS DEVELOPMENT	8,327	8,327
178	0604759A	MAJOR T&E INVESTMENT	136,565	136,565
179	0605103A	RAND ARROYO CENTER	13,113	13,113
180	0605301A	ARMY KWAJALEIN ATOLL	238,691	226,691
		Program decrease		[-12,000]
181	0605326A	CONCEPTS EXPERIMENTATION PROGRAM	42,922	42,922
183	0605601A	ARMY TEST RANGES AND FACILITIES	334,468	334,468
184	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	46,974	51,974
		Program increase—space and missile cybersecurity		[5,000]
185	0605604A	SURVIVABILITY/LETHALITY ANALYSIS	35,075	35,075
186	0605606A	AIRCRAFT CERTIFICATION	3,461	3,461
187	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	6,233	6,233
188	0605706A	MATERIEL SYSTEMS ANALYSIS	21,342	21,342
189	0605709A	EXPLOITATION OF FOREIGN ITEMS	11,168	11,168
190	0605712A	SUPPORT OF OPERATIONAL TESTING	52,723	52,723
191	0605716A	ARMY EVALUATION CENTER	60,815	60,815
192	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG ...	2,527	2,527
193	0605801A	PROGRAMWIDE ACTIVITIES	58,175	61,175
		Program increase for transition costs		[3,000]
194	0605803A	TECHNICAL INFORMATION ACTIVITIES	25,060	25,060
195	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY.	44,458	49,458
		Advanced lightweight small arms and medium caliber ammunition		[5,000]
196	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	4,681	4,681
197	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA	53,820	53,820
198	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY	4,291	4,291
199	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	62,069	62,069
200	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	1,050	1,050
201	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	4,500	4,500
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	1,286,625	1,287,625
		OPERATIONAL SYSTEMS DEVELOPMENT		
204	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM	22,877	17,877
		HIMARS excess growth		[-5,000]
206	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT	8,491	8,491
207	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	15,645	15,645
209	0607134A	LONG RANGE PRECISION FIRES (LRPF)	164,182	164,182
211	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	13,039	13,039
212	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM	174,371	174,371
213	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM	4,545	4,545
214	0607139A	IMPROVED TURBINE ENGINE PROGRAM	206,434	206,434
216	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.	24,221	14,221
		Integrated munitions launcher early to need		[-10,000]
217	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	32,016	32,016
218	0607145A	APACHE FUTURE DEVELOPMENT	5,448	448

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		Unjustified request		[-5,000]
219	0607312A	ARMY OPERATIONAL SYSTEMS DEVELOPMENT	49,526	49,526
220	0607665A	FAMILY OF BIOMETRICS	1,702	1,702
221	0607865A	PATRIOT PRODUCT IMPROVEMENT	96,430	96,430
222	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCs)	47,398	47,398
223	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS	334,463	324,463
		Early to need		[-10,000]
225	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	214,246	214,246
226	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	16,486	11,986
		Excess to need		[-4,500]
227	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	144	144
228	0203758A	DIGITIZATION	5,270	5,270
229	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	1,287	1,287
234	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	732	732
235	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	107,746	107,746
236	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	138,594	128,594
		Testing excess to need		[-10,000]
238	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	13,845	13,845
239	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM	29,185	29,185
240	0303141A	GLOBAL COMBAT SUPPORT SYSTEM	68,976	58,976
		Program decrease		[-10,000]
241	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	2,073	2,073
245	0305179A	INTEGRATED BROADCAST SERVICE (IBS)	459	459
246	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	5,097	5,097
247	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	11,177	11,177
248	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	38,121	38,121
250	0305232A	RQ-11 UAV	3,218	3,218
251	0305233A	RQ-7 UAV	7,817	7,817
252	0307665A	BIOMETRICS ENABLED INTELLIGENCE	2,000	2,000
253	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	59,848	64,848
		Program increase—additive manufacturing technology insertion		[5,000]
254	1203142A	SATCOM GROUND ENVIRONMENT (SPACE)	34,169	34,169
255	1208053A	JOINT TACTICAL GROUND SYSTEM	10,275	10,275
255A	999999999	CLASSIFIED PROGRAMS	7,273	7,273
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	1,978,826	1,929,326
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	12,192,771	12,011,021
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
		BASIC RESEARCH		
001	0601103N	UNIVERSITY RESEARCH INITIATIVES	116,850	126,850
		Advanced radar research		[5,000]
		Defense University research initiatives		[5,000]
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,121	19,121
003	0601153N	DEFENSE RESEARCH SCIENCES	470,007	470,007
		SUBTOTAL BASIC RESEARCH	605,978	615,978
		APPLIED RESEARCH		
004	0602114N	POWER PROJECTION APPLIED RESEARCH	18,546	25,546
		Hypersonic testing facilities		[7,000]
005	0602123N	FORCE PROTECTION APPLIED RESEARCH	119,517	162,517
		Autonomous vehicle collaboration across maritime domains		[10,000]
		Cyber-physical research		[8,000]
		Energy resilience		[5,000]
		Hybrid composite struct. res. enhanced mobility		[5,000]
		Navy power and energy systems technology		[5,000]
		Program increase—direct air capture and blue carbon research		[10,000]
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY	56,604	61,604
		Interdisciplinary expeditionary cybersecurity research		[5,000]
007	0602235N	COMMON PICTURE APPLIED RESEARCH	49,297	49,297
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	63,825	68,825
		Warfighter safety and performance		[5,000]
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	83,497	83,497
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	63,894	63,894
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,346	6,346
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH	57,075	77,075
		Academic partnerships for undersea vehicle research		[10,000]
		Resident autonomous undersea robotics		[10,000]
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	154,755	154,755
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	36,074	36,074
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	153,062	153,062
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES	73,961	73,961

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SUBTOTAL APPLIED RESEARCH			936,453	1,016,453
ADVANCED TECHNOLOGY DEVELOPMENT				
017	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	35,286	35,286
018	0603271N	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	9,499	9,499
019	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	172,847	177,847
		Program increase—modular advanced armed robotic system		[5,000]
020	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	13,307	13,307
021	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT	231,907	231,907
022	0603680N	MANUFACTURING TECHNOLOGY PROGRAM	60,138	80,138
		Program increase		[20,000]
023	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,849	4,849
025	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	67,739	67,739
026	0603782N	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	13,335	13,335
027	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT	133,303	176,303
		Electromagnetic railgun		[20,350]
		Program increase		[22,650]
SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT			742,210	810,210
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
028	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	32,643	32,643
029	0603216N	AVIATION SURVIVABILITY	11,919	11,919
030	0603251N	AIRCRAFT SYSTEMS	1,473	1,473
031	0603254N	ASW SYSTEMS DEVELOPMENT	7,172	7,172
032	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	3,419	3,419
033	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	64,694	64,694
034	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	507,000	312,200
		LUSV Design Contracts early to need		[-29,100]
		LUSV GFE early to need		[-79,200]
		LUSV program decrease		[-43,000]
		MUSV program increase		[43,000]
		Reduce one LUSV		[-86,500]
035	0603506N	SURFACE SHIP TORPEDO DEFENSE	15,800	15,800
036	0603512N	CARRIER SYSTEMS DEVELOPMENT	4,997	4,997
037	0603525N	PILOT FISH	291,148	291,148
038	0603527N	RETRACT LARCH	11,980	11,980
039	0603536N	RETRACT JUNIPER	129,163	129,163
040	0603542N	RADIOLOGICAL CONTROL	689	689
041	0603553N	SURFACE ASW	1,137	1,137
042	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	148,756	148,756
043	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	11,192	11,192
044	0603563N	SHIP CONCEPT ADVANCED DESIGN	81,846	67,846
		Future surface combatant concept development concurrency		[-24,000]
		Program increase		[5,000]
		Program increase—moving target defense		[5,000]
045	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	69,084	59,084
		Program decrease		[-10,000]
046	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	181,652	181,652
047	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	25,408	30,408
		Program increase		[5,000]
048	0603576N	CHALK EAGLE	64,877	64,877
049	0603581N	LITTORAL COMBAT SHIP (LCS)	9,934	9,934
050	0603582N	COMBAT SYSTEM INTEGRATION	17,251	17,251
051	0603595N	OHIO REPLACEMENT	419,051	419,051
052	0603596N	LCS MISSION MODULES	108,505	108,505
053	0603597N	AUTOMATED TEST AND ANALYSIS	7,653	7,653
054	0603599N	FRIGATE DEVELOPMENT	59,007	59,007
055	0603609N	CONVENTIONAL MUNITIONS	9,988	9,988
056	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	86,464	11,464
		Insufficient justification and contract delay		[-75,000]
057	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	33,478	33,478
058	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	5,619	5,619
059	0603721N	ENVIRONMENTAL PROTECTION	20,564	20,564
060	0603724N	NAVY ENERGY PROGRAM	26,514	49,514
		Battery development and safety enterprise		[13,000]
		Marine energy systems for sensors and microgrids		[10,000]
061	0603725N	FACILITIES IMPROVEMENT	3,440	3,440
062	0603734N	CHALK CORAL	346,800	346,800
063	0603739N	NAVY LOGISTIC PRODUCTIVITY	3,857	3,857
064	0603746N	RETRACT MAPLE	258,519	258,519

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065	0603748N	LINK PLUMERIA	403,909	403,909
066	0603751N	RETRACT ELM	63,434	63,434
067	0603764N	LINK EVERGREEN	184,110	184,110
068	0603790N	NATO RESEARCH AND DEVELOPMENT	7,697	7,697
069	0603795N	LAND ATTACK TECHNOLOGY	9,086	9,086
070	0603851M	JOINT NON-LETHAL WEAPONS TESTING	28,466	28,466
071	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS— DEM/VAL.	51,341	51,341
072	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	118,169	118,169
073	0604014N	F/A -18 INFRARED SEARCH AND TRACK (IRST)	113,456	112,456
		Program delay		[-1,000]
074	0604027N	DIGITAL WARFARE OFFICE	50,120	50,120
075	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	32,527	32,527
076	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	54,376	54,376
077	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION..	36,197	36,197
078	0604031N	LARGE UNMANNED UNDERSEA VEHICLES	68,310	59,810
		Early to need		[-8,500]
079	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80).	121,310	121,310
080	0604126N	LITTORAL AIRBORNE MCM	17,248	17,248
081	0604127N	SURFACE MINE COUNTERMEASURES	18,735	18,735
082	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM).	68,346	58,346
		Excess to need		[-10,000]
084	0604289M	NEXT GENERATION LOGISTICS	4,420	4,420
085	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	4,558	4,558
086	0604454N	LX (R)	12,500	12,500
087	0604536N	ADVANCED UNDERSEA PROTOTYPING	181,967	174,437
		ORCA XLUVV prior year carryover		[-7,530]
088	0604636N	COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS)	5,500	5,500
089	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	718,148	638,148
		Excess growth		[-80,000]
090	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ ENGINEERING SUPPORT.	5,263	5,263
091	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT.	65,419	65,419
092	0303354N	ASW SYSTEMS DEVELOPMENT—MIP	9,991	9,991
093	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	21,157	39,657
		KMAX Large Unmanned Logistics System USMC unfunded priority.		[18,500]
095	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP	609	609
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	5,559,062	5,204,732
		SYSTEM DEVELOPMENT & DEMONSTRATION		
096	0603208N	TRAINING SYSTEM AIRCRAFT	15,514	15,514
097	0604212N	OTHER HELO DEVELOPMENT	28,835	28,835
098	0604214M	AV-8B AIRCRAFT—ENG DEV	27,441	27,441
100	0604215N	STANDARDS DEVELOPMENT	3,642	3,642
101	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	19,196	19,196
104	0604230N	WARFARE SUPPORT SYSTEM	8,601	8,601
105	0604231N	TACTICAL COMMAND SYSTEM	77,232	77,232
106	0604234N	ADVANCED HAWKEYE	232,752	232,752
107	0604245M	H-1 UPGRADES	65,359	64,859
		Support cost growth		[-500]
109	0604261N	ACOUSTIC SEARCH SENSORS	47,013	47,013
110	0604262N	V-22A	185,105	172,105
		Excess to need		[-13,000]
111	0604264N	AIR CREW SYSTEMS DEVELOPMENT	21,172	21,172
112	0604269N	EA-18	143,585	123,585
		Unjustified cost growth		[-20,000]
113	0604270N	ELECTRONIC WARFARE DEVELOPMENT	116,811	109,651
		Unjustified request		[-7,160]
114	0604273M	EXECUTIVE HELO DEVELOPMENT	187,436	187,436
116	0604274N	NEXT GENERATION JAMMER (NGJ)	524,261	443,261
		Underexecution		[-81,000]
117	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	192,345	190,845
		Early to need		[-1,500]
118	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II	111,068	111,068
119	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	415,625	415,625
120	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION	640	640
121	0604329N	SMALL DIAMETER BOMB (SDB)	50,096	50,096
122	0604366N	STANDARD MISSILE IMPROVEMENTS	232,391	232,391
123	0604373N	AIRBORNE MCM	10,916	10,916
124	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING.	33,379	33,379
125	0604501N	ADVANCED ABOVE WATER SENSORS	34,554	34,554

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Line	Program Element	Item	FY 2020 Request	House Authorized
126	0604503N	SSN-688 AND TRIDENT MODERNIZATION	84,663	84,663
127	0604504N	AIR CONTROL	44,923	44,923
128	0604512N	SHIPBOARD AVIATION SYSTEMS	10,632	10,632
129	0604518N	COMBAT INFORMATION CENTER CONVERSION	16,094	16,094
130	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	55,349	55,349
131	0604530N	ADVANCED ARRESTING GEAR (AAG)	123,490	123,490
132	0604558N	NEW DESIGN SSN	121,010	121,010
133	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM	62,426	62,426
134	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	46,809	56,809
		Program increase—DDG-51 advanced degaussing		[10,000]
135	0604574N	NAVY TACTICAL COMPUTER RESOURCES	3,692	3,692
137	0604601N	MINE DEVELOPMENT	28,964	28,964
138	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT	148,349	127,349
		Excess to need		[-21,000]
139	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,237	8,237
140	0604657M	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS— ENG DEV.	22,000	22,000
141	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FAC- TORS.	5,500	5,500
142	0604727N	JOINT STANDOFF WEAPON SYSTEMS	18,725	16,225
		Excess to need		[-2,500]
143	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	192,603	192,603
144	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	137,268	137,268
145	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	97,363	97,363
146	0604761N	INTELLIGENCE ENGINEERING	26,710	26,710
147	0604771N	MEDICAL DEVELOPMENT	8,181	13,181
		Enterotoxigenic escherichia coli research		[5,000]
148	0604777N	NAVIGATION/ID SYSTEM	40,755	40,755
149	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD	1,710	1,710
150	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD	1,490	1,490
153	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT	1,494	1,494
154	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT	384,162	370,662
		Unjustified growth over FY19 projection		[-13,500]
155	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT	4,882	4,882
156	0605212M	CH-53K RDTE	516,955	496,955
		Excess to need		[-20,000]
158	0605215N	MISSION PLANNING	75,886	75,886
159	0605217N	COMMON AVIONICS	43,187	43,187
160	0605220N	SHIP TO SHORE CONNECTOR (SSC)	4,909	4,909
161	0605327N	T-AO 205 CLASS	1,682	1,682
162	0605414N	UNMANNED CARRIER AVIATION (UCA)	671,258	671,258
163	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM)	18,393	12,393
		Schedule delays		[-6,000]
165	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA)	21,472	21,472
166	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III	177,234	177,234
167	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOP- MENT & DEMONSTRATION.	77,322	69,121
		Early to need		[-2,201]
		Excess growth		[-6,000]
168	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVEL- OPMENT & DEMONSTRATION.	2,105	2,105
169	0204202N	DDG-1000	111,435	111,435
172	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS	101,339	101,339
173	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	26,406	26,406
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	6,332,033	6,152,672
		MANAGEMENT SUPPORT		
174	0604256N	THREAT SIMULATOR DEVELOPMENT	66,678	66,678
175	0604258N	TARGET SYSTEMS DEVELOPMENT	12,027	12,027
176	0604759N	MAJOR T&E INVESTMENT	85,348	85,348
178	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY	3,908	3,908
179	0605154N	CENTER FOR NAVAL ANALYSES	47,669	47,669
180	0605285N	NEXT GENERATION FIGHTER	20,698	20,698
182	0605804N	TECHNICAL INFORMATION SERVICES	988	988
183	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	102,401	102,401
184	0605856N	STRATEGIC TECHNICAL SUPPORT	3,742	3,742
186	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT	93,872	93,872
187	0605864N	TEST AND EVALUATION SUPPORT	394,020	394,020
188	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY	25,145	25,145
189	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	15,773	15,773
190	0605867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	8,402	8,402
191	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT	37,265	29,265
		Unjustified growth		[-8,000]
192	0605898N	MANAGEMENT HQ—R&D	39,673	39,673
193	0606355N	WARFARE INNOVATION MANAGEMENT	28,750	28,750
196	0305327N	INSIDER THREAT	2,645	2,645
197	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUP- PORT ACTIVITIES).	1,460	1,460

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SUBTOTAL MANAGEMENT SUPPORT			990,464	982,464
OPERATIONAL SYSTEMS DEVELOPMENT				
202	0604227N	HARPOON MODIFICATIONS	2,302	2,302
203	0604840M	F-35 C2D2	422,881	422,881
204	0604840N	F-35 C2D2	383,741	383,741
205	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	127,924	127,924
207	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	157,676	157,676
208	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM	43,354	43,354
209	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	6,815	6,815
210	0101402N	NAVY STRATEGIC COMMUNICATIONS	31,174	31,174
211	0204136N	F/A-18 SQUADRONS	213,715	216,215
		Block III support prior year carryover		[-7,500]
		Jet noise reduction research		[10,000]
213	0204228N	SURFACE SUPPORT	36,389	45,389
		WSN-12 Technology Insertion		[9,000]
214	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMP)	320,134	320,134
215	0204311N	INTEGRATED SURVEILLANCE SYSTEM	88,382	88,382
216	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	14,449	14,449
217	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	6,931	6,931
218	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	23,891	23,891
219	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	129,873	129,873
221	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT	82,325	62,325
		Prior year carryover		[-20,000]
222	0205601N	HARM IMPROVEMENT	138,431	132,431
		AARGM ER test schedule discrepancy		[-6,000]
224	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION	29,572	29,572
225	0205632N	MK-48 ADCAP	85,973	85,973
226	0205633N	AVIATION IMPROVEMENTS	125,461	125,461
227	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS	106,192	106,192
228	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	143,317	134,317
		Program delay		[-9,000]
229	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)	4,489	4,489
230	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	51,788	51,788
231	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT	37,761	37,761
232	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	21,458	21,458
233	0206629M	AMPHIBIOUS ASSAULT VEHICLE	5,476	5,476
234	0207161N	TACTICAL AIM MISSILES	19,488	19,488
235	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	39,029	34,529
		Prior year carryover		[-4,500]
239	0303109N	SATELLITE COMMUNICATIONS (SPACE)	34,344	34,344
240	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES)	22,873	22,873
241	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM	41,853	41,853
243	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	8,913	8,913
244	0305204N	TACTICAL UNMANNED AERIAL VEHICLES	9,451	9,451
245	0305205N	UAS INTEGRATION AND INTEROPERABILITY	42,315	42,315
246	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	22,042	22,042
248	0305220N	MQ-4C TRITON	11,784	11,784
249	0305231N	MQ-8 UAV	29,618	29,618
250	0305232M	RQ-11 UAV	509	509
251	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASLO)	11,545	11,545
252	0305239M	RQ-21A	10,914	10,914
253	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	70,612	70,612
254	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	3,704	3,704
255	0305421N	RQ-4 MODERNIZATION	202,346	202,346
256	0308601N	MODELING AND SIMULATION SUPPORT	7,119	7,119
257	0702207N	DEPOT MAINTENANCE (NON-IF)	38,182	38,182
258	0708730N	MARITIME TECHNOLOGY (MARITECH)	6,779	6,779
259	1203109N	SATELLITE COMMUNICATIONS (SPACE)	15,868	15,868
259A	9999999999	CLASSIFIED PROGRAMS	1,613,137	1,613,137
SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT			5,104,299	5,076,299
TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY			20,270,499	19,858,808
RESEARCH, DEVELOPMENT, TEST & EVAL, AF				
BASIC RESEARCH				
001	0601102F	DEFENSE RESEARCH SCIENCES	356,107	356,107
002	0601103F	UNIVERSITY RESEARCH INITIATIVES	158,859	158,859
003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES	14,795	14,795
SUBTOTAL BASIC RESEARCH			529,761	529,761

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APPLIED RESEARCH				
004	0602102F	MATERIALS	128,851	143,851
		Advanced thermal protection systems		[10,000]
		Program increase—flexible biosensors		[5,000]
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES	147,724	147,724
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH	131,795	131,795
007	0602203F	AEROSPACE PROPULSION	198,775	213,775
		Educational partnership agreements for aerospace propulsion		[10,000]
		Electrical power/thermal management systems		[5,000]
008	0602204F	AEROSPACE SENSORS	202,912	202,912
010	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES.	7,968	7,968
012	0602602F	CONVENTIONAL MUNITIONS	142,772	142,772
013	0602605F	DIRECTED ENERGY TECHNOLOGY	124,379	124,379
014	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS	181,562	186,562
		Detection and countering of adversarial UAS		[5,000]
015	0602890F	HIGH ENERGY LASER RESEARCH	44,221	44,221
016	1206601F	SPACE TECHNOLOGY	124,667	124,667
		SUBTOTAL APPLIED RESEARCH	1,435,626	1,470,626
ADVANCED TECHNOLOGY DEVELOPMENT				
017	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS	36,586	41,586
		Metals affordability initiative		[5,000]
018	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	16,249	16,249
019	0603203F	ADVANCED AEROSPACE SENSORS	38,292	38,292
020	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO	102,949	122,949
		High speed vertical lift demonstration		[5,000]
		Low cost attritable aircraft technology		[15,000]
021	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY	113,973	118,973
		Electrical power systems		[5,000]
022	0603270F	ELECTRONIC COMBAT TECHNOLOGY	48,408	48,408
023	0603401F	ADVANCED SPACECRAFT TECHNOLOGY	70,525	70,525
024	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	11,878	11,878
025	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT.	37,542	37,542
026	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY	225,817	225,817
027	0603605F	ADVANCED WEAPONS TECHNOLOGY	37,404	37,404
028	0603680F	MANUFACTURING TECHNOLOGY PROGRAM	43,116	59,116
		Aerospace composites manufacturing		[10,000]
		Program increase		[6,000]
029	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION.	56,414	56,414
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	839,153	885,153
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
031	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT	5,672	5,672
032	0603742F	COMBAT IDENTIFICATION TECHNOLOGY	27,085	27,085
033	0603790F	NATO RESEARCH AND DEVELOPMENT	4,955	4,955
034	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL	44,109	44,109
036	0604002F	AIR FORCE WEATHER SERVICES RESEARCH	772	772
037	0604004F	ADVANCED ENGINE DEVELOPMENT	878,442	849,442
		Unjustified budget growth		[-29,000]
038	0604015F	LONG RANGE STRIKE—BOMBER	3,003,899	3,003,899
039	0604032F	DIRECTED ENERGY PROTOTYPING	10,000	20,000
		High-value airborne asset protection		[10,000]
040	0604033F	HYPERSONICS PROTOTYPING	576,000	536,000
		Program concurrency		[-40,000]
041	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS	92,600	124,600
		Program increase		[32,000]
042	0604257F	ADVANCED TECHNOLOGY AND SENSORS	23,145	23,145
043	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP	16,669	16,669
044	0604317F	TECHNOLOGY TRANSFER	23,614	23,614
045	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM.	113,121	113,121
046	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	56,325	56,325
047	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	28,034	28,034
048	0604858F	TECH TRANSITION PROGRAM	128,476	128,476
049	0605230F	GROUND BASED STRATEGIC DETERRENT	570,373	489,395
		Program reduction		[-103,000]
		Technical adjustment for NC3		[22,022]
050	0207100F	LIGHT ATTACK ARMED RECONNAISSANCE (LAAR) SQUADRONS.	35,000	35,000
051	0207110F	NEXT GENERATION AIR DOMINANCE	1,000,000	500,000
		Cost-risk associated with development profile		[-500,000]
052	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)	37,290	37,290
053	0208099F	UNIFIED PLATFORM (UP)	10,000	10,000

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054	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	36,910	36,910
055	0305251F	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT ..	35,000	35,000
056	0305601F	MISSION PARTNER ENVIRONMENTS	8,550	8,550
057	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	198,864	198,864
058	0306415F	ENABLED CYBER ACTIVITIES	16,632	16,632
060	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	20,830	20,830
061	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIP- MENT) (SPACE)	329,948	329,948
062	1203710F	EO/IR WEATHER SYSTEMS	101,222	101,222
063	1206422F	WEATHER SYSTEM FOLLOW-ON	225,660	205,660
		Unjustified growth		[-20,000]
064	1206425F	SPACE SITUATION AWARENESS SYSTEMS	29,776	29,776
065	1206427F	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)	142,045	162,045
		Accelerate Blackjack prototype demonstration and tech maturation.		[20,000]
067	1206438F	SPACE CONTROL TECHNOLOGY	64,231	58,231
		Unjustified growth		[-6,000]
068	1206730F	SPACE SECURITY AND DEFENSE PROGRAM	56,385	56,385
069	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	105,003	105,003
070	1206761F	PROTECTED TACTICAL SERVICE (PTS)	173,694	166,194
		Unjustified growth		[-7,500]
071	1206855F	EVOLVED STRATEGIC SATCOM (ESS)	172,206	172,206
072	1206857F	SPACE RAPID CAPABILITIES OFFICE	33,742	30,742
		Program decrease		[-3,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	8,436,279	7,811,801
		SYSTEM DEVELOPMENT & DEMONSTRATION		
073	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	246,200	200
		Unjustified requirement		[-246,000]
074	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS	67,782	67,782
075	0604222F	NUCLEAR WEAPONS SUPPORT	4,406	4,406
076	0604270F	ELECTRONIC WARFARE DEVELOPMENT	2,066	2,066
077	0604281F	TACTICAL DATA NETWORKS ENTERPRISE	229,631	210,331
		Prior-year carryover		[-19,300]
078	0604287F	PHYSICAL SECURITY EQUIPMENT	9,700	9,700
079	0604329F	SMALL DIAMETER BOMB (SDB)—EMD	31,241	41,241
		Program efficiency initiative		[10,000]
080	0604429F	AIRBORNE ELECTRONIC ATTACK	2	2
081	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT	28,043	22,543
		Unjustified requirement (JAGM-F)		[-5,500]
082	0604604F	SUBMUNITIONS	3,045	3,045
083	0604617F	AGILE COMBAT SUPPORT	19,944	19,944
084	0604706F	LIFE SUPPORT SYSTEMS	8,624	16,624
		Next-gen ejection seat qualification		[8,000]
085	0604735F	COMBAT TRAINING RANGES	37,365	37,365
086	0604800F	F-35—EMD	7,628	7,628
087	0604932F	LONG RANGE STANDOFF WEAPON	712,539	712,539
088	0604933F	ICBM FUZE MODERNIZATION	161,199	161,199
089	0605030F	JOINT TACTICAL NETWORK CENTER (JTNC)	2,414	2,414
091	0605056F	OPEN ARCHITECTURE MANAGEMENT	30,000	30,000
093	0605221F	KC-46	59,561	59,561
094	0605223F	ADVANCED PILOT TRAINING	348,473	348,473
095	0605229F	COMBAT RESCUE HELICOPTER	247,047	246,047
		Support cost growth		[-1,000]
098	0605931F	B-2 DEFENSIVE MANAGEMENT SYSTEM	294,400	294,400
099	0101125F	NUCLEAR WEAPONS MODERNIZATION	27,564	27,564
101	0207171F	F-15 EPAWSS	47,322	47,322
102	0207328F	STAND IN ATTACK WEAPON	162,840	127,840
		Unjustified program growth		[-35,000]
103	0207701F	FULL COMBAT MISSION TRAINING	9,797	9,797
106	0401310F	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION	9,930	9,930
107	0401319F	VC-25B	757,923	757,923
108	0701212F	AUTOMATED TEST SYSTEMS	2,787	2,787
109	1203176F	COMBAT SURVIVOR EVADER LOCATOR	2,000	2,000
110	1203269F	GPS III FOLLOW-ON (GPS IIIF)	462,875	452,875
		Unjustified growth		[-10,000]
111	1203940F	SPACE SITUATION AWARENESS OPERATIONS	76,829	56,829
		GBOSS unjustified growth		[-20,000]
112	1206421F	COUNTERSPACE SYSTEMS	29,037	34,037
		Counterspace communications systems pre-planned product improvement.		[5,000]
113	1206422F	WEATHER SYSTEM FOLLOW-ON	2,237	2,237
114	1206425F	SPACE SITUATION AWARENESS SYSTEMS	412,894	362,894
		Unexecutable growth		[-50,000]
116	1206431F	ADVANCED EHF MILSATCOM (SPACE)	117,290	117,290
117	1206432F	POLAR MILSATCOM (SPACE)	427,400	427,400
118	1206433F	WIDEBAND GLOBAL SATCOM (SPACE)	1,920	1,920

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119	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	1	1
120	1206442F	NEXT GENERATION OPIR	1,395,278	1,018,878
		Unexecutable funding profile		[-293,100]
		Unexecutable funding profile (ground)		[-83,300]
121	1206445F	COMMERCIAL SATCOM (COMSATCOM) INTEGRATION		10,000
		Accelerate integration of COMSATCOM capabilities		[10,000]
122	1206853F	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD.	432,009	432,009
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	6,929,243	6,199,043
		MANAGEMENT SUPPORT		
123	0604256F	THREAT SIMULATOR DEVELOPMENT	59,693	59,693
124	0604759F	MAJOR T&E INVESTMENT	181,663	183,663
		Telemetry extension SATCOM relay		[2,000]
125	0605101F	RAND PROJECT AIR FORCE	35,258	35,258
127	0605712F	INITIAL OPERATIONAL TEST & EVALUATION	13,793	13,793
128	0605807F	TEST AND EVALUATION SUPPORT	717,895	743,395
		Overwater range telemetry improvements		[25,500]
129	0605826F	ACQ WORKFORCE- GLOBAL POWER	258,667	258,667
130	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	251,992	251,992
131	0605828F	ACQ WORKFORCE- GLOBAL REACH	149,191	149,191
132	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	235,360	235,360
133	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	160,196	160,196
134	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION	220,255	220,255
135	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	42,392	42,392
136	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS	133,231	133,231
137	0605898F	MANAGEMENT HQ—R&D	5,590	5,590
138	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	88,445	88,445
139	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT.	29,424	29,424
140	0606017F	REQUIREMENTS ANALYSIS AND MATURATION	62,715	62,715
141	0606398F	MANAGEMENT HQ—T&E	5,013	5,013
142	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	17,128	17,128
143	0702806F	ACQUISITION AND MANAGEMENT SUPPORT	5,913	5,913
144	0804731F	GENERAL SKILL TRAINING	1,475	1,475
146	1001004F	INTERNATIONAL ACTIVITIES	4,071	4,071
147	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT	19,942	14,942
		Unjustified growth		[-5,000]
148	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	167,810	167,810
149	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA	10,170	10,170
150	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	13,192	23,192
		Small rockets launch services		[10,000]
151	1206864F	SPACE TEST PROGRAM (STP)	26,097	29,097
		Small launch		[3,000]
		SUBTOTAL MANAGEMENT SUPPORT	2,916,571	2,952,071
		OPERATIONAL SYSTEMS DEVELOPMENT		
152	0604003F	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS)	35,611	20,011
		Program increase—sensor fusion and artificial intelligence technology.		[10,000]
		Unjustified request		[-25,600]
154	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	2,584	2,584
155	0604445F	WIDE AREA SURVEILLANCE	0	20,000
		Program increase		[20,000]
156	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	903	903
157	0604840F	F-35 C2D2	694,455	694,455
158	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) ..	40,567	40,567
159	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	47,193	47,193
160	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	70,083	70,083
161	0605278F	HC/MC-130 RECAP RDT&E	17,218	17,218
162	0606018F	NC3 INTEGRATION	25,917	25,917
164	0101113F	B-52 SQUADRONS	325,974	325,974
165	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM)	10,217	10,217
166	0101126F	B-1B SQUADRONS	1,000	1,000
167	0101127F	B-2 SQUADRONS	97,276	97,276
168	0101213F	MINUTEMAN SQUADRONS	128,961	106,939
		Technical adjustment for NC3		[-22,022]
170	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	18,177	18,177
171	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK.	24,261	24,261
172	0101328F	ICBM REENTRY VEHICLES	75,571	75,571
174	0102110F	UH-1N REPLACEMENT PROGRAM	170,975	170,975
176	0205219F	MQ-9 UAV	154,996	154,996
178	0207131F	A-10 SQUADRONS	36,816	36,816
179	0207133F	F-16 SQUADRONS	193,013	193,013
180	0207134F	F-15E SQUADRONS	336,079	317,779

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		Unjustified F-15C requirements		[-18,300]
181	0207136F	MANNED DESTRUCTIVE SUPPRESSION	15,521	15,521
182	0207138F	F-22A SQUADRONS	496,298	442,498
		Excess to requirements		[-23,800]
		Prior-year carryover		[-30,000]
183	0207142F	F-35 SQUADRONS	99,943	99,943
184	0207161F	TACTICAL AIM MISSILES	10,314	10,314
185	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	55,384	55,384
186	0207227F	COMBAT RESCUE—PARARESCUE	281	281
187	0207247F	AF TENCAP	21,365	21,365
188	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT	10,696	10,696
189	0207253F	COMPASS CALL	15,888	15,888
190	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	112,505	107,505
		Prior-year carryover (F-35)		[-5,000]
191	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	78,498	78,498
192	0207410F	AIR & SPACE OPERATIONS CENTER (AOC)	114,864	104,864
		Unjustified request		[-10,000]
193	0207412F	CONTROL AND REPORTING CENTER (CRC)	8,109	8,109
194	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	67,996	61,209
		Excess to need		[-6,787]
195	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS	2,462	2,462
197	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	13,668	13,668
198	0207444F	TACTICAL AIR CONTROL PARTY-MOD	6,217	6,217
200	0207452F	DCAPES	19,910	19,910
201	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS	1,788	1,788
202	0207590F	SEEK EAGLE	28,237	28,237
203	0207601F	USAF MODELING AND SIMULATION	15,725	15,725
204	0207605F	WARGAMING AND SIMULATION CENTERS	4,316	4,316
205	0207610F	BATTLEFIELD ABN COMM NODE (BACN)	26,946	26,946
206	0207697F	DISTRIBUTED TRAINING AND EXERCISES	4,303	4,303
207	0208006F	MISSION PLANNING SYSTEMS	71,465	71,465
208	0208007F	TACTICAL DECEPTION	7,446	7,446
209	0208064F	OPERATIONAL HQ—CYBER	7,602	7,602
210	0208087F	DISTRIBUTED CYBER WARFARE OPERATIONS	35,178	35,178
211	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS	16,609	16,609
212	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2)	11,603	11,603
213	0208099F	UNIFIED PLATFORM (UP)	84,702	84,702
219	0301025F	GEOBASE	2,723	2,723
220	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	44,190	44,190
226	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS	3,575	3,575
227	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) ...	70,173	70,173
228	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	13,543	28,543
		Advanced concept development—NC3 demonstration and evaluation		[15,000]
229	0303133F	HIGH FREQUENCY RADIO SYSTEMS	15,881	1,881
		Prior-year carryover		[-14,000]
230	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM	27,726	27,726
232	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE	2,210	2,210
234	0304115F	MULTI DOMAIN COMMAND AND CONTROL (MDC2)	150,880	100,880
		Unjustified growth		[-50,000]
235	0304260F	AIRBORNE SIGINT ENTERPRISE	102,667	94,167
		Common development ahead of need		[-8,500]
236	0304310F	COMMERCIAL ECONOMIC ANALYSIS	3,431	3,431
239	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES	9,313	9,313
240	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,121	1,121
241	0305022F	ISR MODERNIZATION & AUTOMATION DVMT (IMAD)	19,000	3,000
		Unjustified request		[-16,000]
242	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,544	4,544
243	0305111F	WEATHER SERVICE	25,461	27,461
		Commercial weather data pilot		[2,000]
244	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALIS)	5,651	5,651
245	0305116F	AERIAL TARGETS	7,448	7,448
248	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES	425	425
249	0305145F	ARMS CONTROL IMPLEMENTATION	54,546	54,546
250	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	6,858	6,858
252	0305179F	INTEGRATED BROADCAST SERVICE (IBS)	8,728	8,728
253	0305202F	DRAGON U-2	38,939	38,939
255	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS	122,909	132,909
		Program increase for Gorgon Stare sensor enhancements		[10,000]
256	0305207F	MANNED RECONNAISSANCE SYSTEMS	11,787	11,787
257	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	25,009	25,009
258	0305220F	RQ-4 UAV	191,733	173,883
		Unjustified request		[-17,850]
259	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING	10,757	10,757
260	0305238F	NATO AGS	32,567	32,567

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261	0305240F	SUPPORT TO DCGS ENTERPRISE	37,774	37,774
262	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES.	13,515	13,515
263	0305881F	RAPID CYBER ACQUISITION	4,383	4,383
264	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,133	2,133
265	0307577F	INTELLIGENCE MISSION DATA (IMD)	8,614	8,614
266	0401115F	C-130 AIRLIFT SQUADRON	140,425	140,425
267	0401119F	C-5 AIRLIFT SQUADRONS (IF)	10,223	10,223
268	0401130F	C-17 AIRCRAFT (IF)	25,101	25,101
269	0401132F	C-130J PROGRAM	8,640	8,640
270	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	5,424	5,424
272	0401219F	KC-10S	20	20
274	0401318F	CV-22	17,906	17,906
276	0408011F	SPECIAL TACTICS / COMBAT CONTROL	3,629	3,629
277	0702207F	DEPOT MAINTENANCE (NON-IF)	1,890	1,890
278	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	10,311	10,311
279	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	16,065	16,065
280	0708611F	SUPPORT SYSTEMS DEVELOPMENT	539	539
281	0804743F	OTHER FLIGHT TRAINING	2,057	2,057
282	0808716F	OTHER PERSONNEL ACTIVITIES	10	10
283	0901202F	JOINT PERSONNEL RECOVERY AGENCY	2,060	2,060
284	0901218F	CIVILIAN COMPENSATION PROGRAM	3,809	3,809
285	0901220F	PERSONNEL ADMINISTRATION	6,476	6,476
286	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,443	1,443
287	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT.	9,323	9,323
288	0901554F	DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS)	46,789	46,789
289	1201017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	3,647	3,647
290	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES	988	988
291	1202140F	SERVICE SUPPORT TO SPACECOM ACTIVITIES	11,863	11,863
293	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	197,388	192,388
		Unjustified growth		[-5,000]
294	1203110F	SATELLITE CONTROL NETWORK (SPACE)	61,891	54,291
		Underexecution of funds and unjustified growth		[-7,600]
297	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER	4,566	4,566
298	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT.	43,292	43,292
300	1203182F	SPACELIFT RANGE SYSTEM (SPACE)	10,837	10,837
301	1203265F	GPS III SPACE SEGMENT	42,440	42,440
302	1203400F	SPACE SUPERIORITY INTELLIGENCE	14,428	14,428
303	1203614F	JSPOC MISSION SYSTEM	72,762	51,262
		Unjustified growth		[-21,500]
304	1203620F	NATIONAL SPACE DEFENSE CENTER	2,653	2,653
306	1203873F	BALLISTIC MISSILE DEFENSE RADARS	15,881	15,881
308	1203913F	NUDET DETECTION SYSTEM (SPACE)	49,300	49,300
309	1203940F	SPACE SITUATION AWARENESS OPERATIONS	17,834	17,834
310	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT.	445,302	445,302
311	1206770F	ENTERPRISE GROUND SERVICES	138,870	128,670
		Unjustified growth		[-10,200]
311A	999999999	CLASSIFIED PROGRAMS	18,351,506	17,998,506
		Classified reduction		[-353,000]
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	24,851,488	24,263,329
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	45,938,121	44,111,784
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW		
		BASIC RESEARCH		
001	0601000BR	DTRA BASIC RESEARCH	26,000	26,000
002	0601101E	DEFENSE RESEARCH SCIENCES	432,284	432,284
003	0601110D8Z	BASIC RESEARCH INITIATIVES	48,874	58,874
		Program increase		[10,000]
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	54,122	54,122
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM	92,074	112,074
		Civics education grant program		[20,000]
006	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS.	30,708	50,708
		Program decrease		[-5,000]
		Program increase		[25,000]
007	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	45,238	45,238
		SUBTOTAL BASIC RESEARCH	729,300	779,300
		APPLIED RESEARCH		
008	0602000D8Z	JOINT MUNITIONS TECHNOLOGY	19,306	19,306
009	0602115E	BIOMEDICAL TECHNOLOGY	97,771	97,771
011	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM	52,317	52,317
012	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES.	62,200	62,200

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013	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY	442,556	442,556
014	0602383E	BIOLOGICAL WARFARE DEFENSE	34,588	34,588
015	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	202,587	215,087
		Program increase		[12,500]
016	0602668D8Z	CYBER SECURITY RESEARCH	15,118	15,118
017	0602702E	TACTICAL TECHNOLOGY	337,602	337,602
018	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY	223,976	223,976
019	0602716E	ELECTRONICS TECHNOLOGY	332,192	332,192
020	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RE- SEARCH.	179,096	179,096
021	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RE- SEARCH.	9,580	9,580
022	1160401BB	SOF TECHNOLOGY DEVELOPMENT	40,569	40,569
		SUBTOTAL APPLIED RESEARCH	2,049,458	2,061,958
		ADVANCED TECHNOLOGY DEVELOPMENT		
023	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY	25,779	25,779
024	0603121D8Z	SO/LIC ADVANCED DEVELOPMENT	5,000	5,000
025	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	70,517	79,517
		Counterterrorism detection technologies		[3,000]
		Study of Terrorism and Responses to Terrorism (START)		[6,000]
026	0603133D8Z	FOREIGN COMPARATIVE TESTING	24,970	24,970
028	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	340,065	340,065
029	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT ...	14,208	14,208
030	0603178C	WEAPONS TECHNOLOGY	10,000	10,000
031	0603180C	ADVANCED RESEARCH	20,674	27,674
		Advanced carbon-carbon composites manufacturing		[7,000]
032	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,773	18,773
033	0603286E	ADVANCED AEROSPACE SYSTEMS	279,741	279,741
034	0603287E	SPACE PROGRAMS AND TECHNOLOGY	202,606	202,606
035	0603288D8Z	ANALYTIC ASSESSMENTS	19,429	19,429
036	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	37,645	37,645
037	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA ..	14,668	14,668
038	0603294C	COMMON KILL VEHICLE TECHNOLOGY	13,600	13,600
040	0603342D8Z	DEFENSE INNOVATION UNIT (DIU)	29,398	29,398
041	0603375D8Z	TECHNOLOGY INNOVATION	60,000	44,000
		Program decrease		[-16,000]
042	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—AD- VANCED DEVELOPMENT.	172,486	172,486
043	0603527D8Z	RETRACT LARCH	159,688	159,688
044	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY	12,063	17,063
		Joint electromagnetic spectrum operations		[5,000]
045	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	107,359	107,359
046	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES	2,858	2,858
047	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECH- NOLOGY PROGRAM.	96,397	116,397
		Additive manufacturing		[10,000]
		Integrated silicon based lasers		[5,000]
		Program increase		[5,000]
048	0603680S	MANUFACTURING TECHNOLOGY PROGRAM	42,834	42,834
049	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT ...	80,911	80,911
050	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	10,817	10,817
051	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	66,157	66,157
052	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT.	171,771	171,771
053	0603727D8Z	JOINT WARFIGHTING PROGRAM	4,846	4,846
054	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES	128,616	128,616
055	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	232,134	232,134
056	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY	512,424	512,424
057	0603767E	SENSOR TECHNOLOGY	163,903	163,903
058	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DE- VELOPMENT.	13,723	13,723
059	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE	15,111	15,111
060	0603826D8Z	QUICK REACTION SPECIAL PROJECTS	47,147	47,147
061	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY	19,376	19,376
062	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	85,223	85,223
063	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY	175,574	180,574
		UAV hypersonic test range		[5,000]
064	0603950D8Z	NATIONAL SECURITY INNOVATION NETWORK	25,000	30,000
		Hacking for defense		[5,000]
065	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	70,536	70,536
066	0303310D8Z	CWMD SYSTEMS	28,907	28,907
068	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT	89,154	89,154
069	1206310SDA	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DE- VELOPMENT.	20,000	41,500
		Program increase for commercial SSA; funds transferred from JSPOC Mission System.		[21,500]

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		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	3,742,088	3,798,588
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
070	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	42,695	42,695
071	0603600D8Z	WALKOFF	92,791	92,791
072	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES.	5,659	5,659
073	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM.	66,572	66,572
074	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT.	302,761	302,761
075	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT. GBSD booster engineering	1,156,506	960,506
		Unjustified program growth		[-15,000]
076	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEMO/VAL.	83,662	83,662
077	0603884C	BALLISTIC MISSILE DEFENSE SENSORS	283,487	283,487
078	0603890C	BMD ENABLING PROGRAMS	571,507	570,476
		Rescope FTM-44—Conduct IRBM test		[-1,031]
079	0603891C	SPECIAL PROGRAMS—MDA	377,098	504,098
		Classified reduction		[-8,000]
		Classified unfunded priority		[135,000]
080	0603892C	AEGIS BMD	727,479	702,479
		Unjustified cost growth		[-25,000]
081	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI. IBCS integration delays	564,206	561,706
		Rescope FTM-44—Conduct IRBM test		[-1,500]
082	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT.	51,532	51,532
083	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC).	56,161	56,161
084	0603906C	REGARDING TRENCH	22,424	22,424
085	0603907C	SEA BASED X-BAND RADAR (SBX)	128,156	128,156
086	0603913C	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000
087	0603914C	BALLISTIC MISSILE DEFENSE TEST	395,924	393,356
		Rescope FTM-44—Conduct IRBM test		[-2,568]
088	0603915C	BALLISTIC MISSILE DEFENSE TARGETS	554,171	554,171
089	0603920D8Z	HUMANITARIAN DEMINING	10,820	15,820
		Program increase		[5,000]
090	0603923D8Z	COALITION WARFARE	11,316	11,316
091	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,365	3,365
092	0604115C	TECHNOLOGY MATURATION INITIATIVES	303,458	301,122
		Cancel Neutral Particle Beam		[-34,000]
		Increase to low power laser demonstrator		[35,000]
		Rescope FTM-44—Conduct IRBM test		[-3,336]
093	0604132D8Z	MISSILE DEFEAT PROJECT	17,816	7,816
		Lack of justification—program transitioned to military services		[-10,000]
095	0604181C	HYPERSONIC DEFENSE	157,425	157,425
096	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES	1,312,735	1,104,585
		Program decrease		[-58,150]
		Realign to 0604011D8Z, Next Generation Information Technology		[-50,000]
		Undistributed		[-100,000]
097	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS	542,421	542,421
098	0604331D8Z	RAPID PROTOTYPING PROGRAM	100,957	100,957
099	0604341D8Z	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING	92,000	17,000
		Insufficient budget justification for national security innovation capital.		[-75,000]
100	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	3,021	3,021
102	0604672C	HOMELAND DEFENSE RADAR—HAWAII (HDR-H)	274,714	274,714
103	0604673C	PACIFIC DISCRIMINATING RADAR	6,711	6,711
104	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA).	3,751	3,751
105	0604775BR	DEFENSE RAPID INNOVATION PROGRAM	14,021	14,021
107	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	20,062	20,062
108	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR)	136,423	136,423
109	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS	412,363	262,363
		Program delays		[-150,000]
110	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST.	25,137	25,137
111	0604878C	AEGIS BMD TEST	169,822	148,740
		Rescope FTM-44—Conduct IRBM test		[-21,082]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
112	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST	105,530	94,566
		Rescope FTM-44—Conduct IRBM test		[-10,964]
113	0604880C	LAND-BASED SM-3 (LBSM3)	38,352	38,352
115	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST	98,139	96,446
		Rescope FTM-44—Conduct IRBM test		[-1,693]
117	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	1,600	1,600
118	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,191	3,191
119	0305103C	CYBER SECURITY INITIATIVE	1,138	1,138
120	1206410SDA	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING ...	85,000	75,000
		Increase to SDA for multi-GNSS receiver capability development		[20,000]
		Space-based discrimination study		[-15,000]
		Space-based interceptor study		[-15,000]
121	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM	35,849	35,849
122	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS ..	27,565	135,565
		Hypersonic and Ballistic Tracking Space Sensor		[108,000]
122A	0604011D8Z	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G).		175,000
		Program increase		[175,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.	9,797,493	9,496,169
		SYSTEM DEVELOPMENT AND DEMONSTRATION		
123	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD.	11,276	11,276
124	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	107,000	0
		Lack of justification—awaiting policy		[-76,000]
		Transfer to RDTE, Army Line 100		[-31,000]
125	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD	384,047	384,047
126	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).	40,102	43,102
		Cyber maturity model certification program		[3,000]
127	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT.	13,100	13,100
128	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT	3,070	3,070
129	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE	7,295	7,295
130	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM	17,615	7,615
		Unjustified growth		[-10,000]
131	0605027D8Z	OUS(D) IT DEVELOPMENT INITIATIVES	15,653	15,653
132	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION.	2,378	2,378
133	0605075D8Z	CMO POLICY AND INTEGRATION	1,618	1,618
134	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM	27,944	27,944
135	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	6,609	6,609
136	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES.	9,619	9,619
137	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS	175,032	175,032
138	0303140BL	INFORMATION SYSTEMS SECURITY PROGRAM	425	425
139	0303141K	GLOBAL COMBAT SUPPORT SYSTEM	1,578	1,578
140	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEM).	4,373	4,373
141	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	12,854	12,854
		SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION.	841,588	727,588
		MANAGEMENT SUPPORT		
142	0603829J	JOINT CAPABILITY EXPERIMENTATION	13,000	13,000
143	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS)	9,724	9,724
144	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	9,593	9,593
145	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP).	260,267	240,267
		Undistributed		[-20,000]
146	0604942D8Z	ASSESSMENTS AND EVALUATIONS	30,834	30,834
147	0605001E	MISSION SUPPORT	68,498	68,498
148	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	83,091	83,091
149	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	18,079	18,079
150	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO).	70,038	70,038
152	0605142D8Z	SYSTEMS ENGINEERING	37,140	37,140
153	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD	4,759	4,759
154	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY	8,307	8,307
155	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	9,441	9,441
156	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE)	1,700	1,700
157	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	110,363	110,363
166	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	3,568	3,568
167	0605797D8Z	MAINTAINING TECHNOLOGY ADVANTAGE	19,936	19,936
168	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS	16,875	19,875

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
		National Science, Technology, and Security Roundtable with Academia.		[3,000]
169	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	57,716	57,716
170	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION.	34,448	34,448
171	0605804D8Z	DEVELOPMENT TEST AND EVALUATION	22,203	22,203
172	0605898E	MANAGEMENT HQ—R&D	13,208	13,208
173	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	3,027	3,027
174	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS	8,017	8,017
175	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	3,194	3,194
176	0606589DSW	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT.	1,000	1,000
179	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)	3,037	3,037
180	0204571J	JOINT STAFF ANALYTICAL SUPPORT	9,216	9,216
183	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES.	553	553
184	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO).	1,014	1,014
185	0305172K	COMBINED ADVANCED APPLICATIONS	58,667	58,667
187	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS.	21,081	21,081
189	0307588D8Z	ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS	221,235	221,235
191	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	40,073	40,073
192	0808709SE	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI).	100	100
193	0901598C	MANAGEMENT HQ—MDA	27,065	27,065
194	0903235K	JOINT SERVICE PROVIDER (JSP)	3,090	3,090
194A	9999999999	CLASSIFIED PROGRAMS	51,471	51,471
		SUBTOTAL MANAGEMENT SUPPORT	1,354,628	1,337,628
		OPERATIONAL SYSTEM DEVELOPMENT		
		UNDISTRIBUTED		
195	0604130V	ENTERPRISE SECURITY SYSTEM (ESS)	7,945	7,945
196	0604532K	JOINT ARTIFICIAL INTELLIGENCE	208,834	166,834
		Early to need		[-42,000]
197	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,947	1,947
198	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS).	310	310
199	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	10,051	19,051
		Composite manufacturing technology		[5,000]
		Lithium ion batteries		[4,000]
200	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT ..	12,734	12,734
201	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	14,800	14,800
202	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	54,023	54,023
203	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS)	4,537	4,537
204	0208045K	C4I INTEROPERABILITY	64,122	64,122
210	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION.	15,798	15,798
211	0303126K	LONG-HAUL COMMUNICATIONS—DCS	11,166	11,166
212	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	17,383	17,383
214	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI)	54,516	54,516
215	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM	67,631	89,631
		Cyber institutes for senior military colleges		[12,000]
		Implementation of Cyber Excepted Service		[10,000]
216	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM	289,080	287,198
		Realignment to DISA for Sharkseer		[-1,882]
217	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM	42,796	44,678
		Realignment for Sharkseer		[1,882]
218	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM	25,218	25,218
219	0303153K	DEFENSE SPECTRUM ORGANIZATION	21,698	21,698
220	0303228K	JOINT REGIONAL SECURITY STACKS (JRSS)	18,077	18,077
222	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY.	44,001	44,001
228	0305128V	SECURITY AND INVESTIGATIVE ACTIVITIES	2,400	2,400
232	0305186D8Z	POLICY R&D PROGRAMS	6,301	6,301
233	0305199D8Z	NET CENTRICITY	21,384	21,384
235	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,359	6,359
238	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	2,981	2,981
241	0305327V	INSIDER THREAT	1,964	1,964
242	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,221	2,221
250	0708012K	LOGISTICS SUPPORT ACTIVITIES	1,361	1,361
251	0708012S	PACIFIC DISASTER CENTERS	1,770	1,770

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2020 Request	House Authorized
252	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	3,679	3,679
254	1105219BB	MQ-9 UAV	20,697	20,697
256	1160403BB	AVIATION SYSTEMS	245,795	263,021
		Program increase—Future Vertical Lift		[8,800]
		Program increase—RFCM		[8,426]
257	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT	15,484	15,484
258	1160408BB	OPERATIONAL ENHANCEMENTS	166,922	166,922
259	1160431BB	WARRIOR SYSTEMS	62,332	62,332
260	1160432BB	SPECIAL PROGRAMS	21,805	21,805
261	1160434BB	UNMANNED ISR	37,377	37,377
262	1160480BB	SOF TACTICAL VEHICLES	11,150	11,150
263	1160483BB	MARITIME SYSTEMS	72,626	72,626
264	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	5,363	5,363
265	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE	12,962	12,962
266	1203610K	TELEPORT PROGRAM	6,158	6,158
266A	9999999999	CLASSIFIED PROGRAMS	4,542,640	4,542,640
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT ...	6,258,398	6,383,624
267A	9999999999	UNDISTRIBUTED		119,000
		Transfer to NRO for weather satellite procurement to mitigate weather capability gaps risk in 2022–2023.		[119,000]
		SUBTOTAL UNDISTRIBUTED		125,226
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW.	24,772,953	24,584,855
		OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT		
001	0605118OTE	OPERATIONAL TEST AND EVALUATION	93,291	93,291
002	0605131OTE	LIVE FIRE TEST AND EVALUATION	69,172	69,172
003	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES	58,737	58,737
		SUBTOTAL MANAGEMENT SUPPORT	221,200	221,200
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE	221,200	221,200
		TOTAL RDT&E	103,395,544	100,787,668

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 2020 Request	House Authorized
		RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
074	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	500	500
079	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	3,000	3,000
085	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	1,085	1,085
095	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	6,000	0
		Unjustified request		[-6,000]
097	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING.	4,529	4,529
105	0604785A	INTEGRATED BASE DEFENSE (BUDGET ACTIVITY 4)	2,000	0
		Unjustified request		[-2,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	17,114	9,114
		SYSTEM DEVELOPMENT & DEMONSTRATION		
151	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCUM)	11,770	11,770
159	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	77,420	77,420
163	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION	19,527	19,527
174	0304270A	ELECTRONIC WARFARE DEVELOPMENT	3,200	3,200
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	111,917	111,917
		RDT&E MANAGEMENT SUPPORT		
200	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	1,875	1,875
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	1,875	1,875

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	House Authorized
OPERATIONAL SYSTEMS DEVELOPMENT				
238	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	22,904	22,904
246	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	34,100	34,100
247	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	14,000	14,000
252	0307665A	BIOMETRICS ENABLED INTELLIGENCE	2,214	2,214
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	73,218	73,218
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	204,124	196,124
RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY				
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
028	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	2,400	2,400
038	0603527N	RETRACT LARCH	22,000	22,000
057	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	14,178	14,178
069	0603795N	LAND ATTACK TECHNOLOGY	1,428	1,428
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	40,006	40,006
SYSTEM DEVELOPMENT & DEMONSTRATION				
143	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	1,122	1,122
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	1,122	1,122
OPERATIONAL SYSTEMS DEVELOPMENT				
228	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	15,000	15,000
259A	9999999999	CLASSIFIED PROGRAMS	108,282	108,282
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	123,282	123,282
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.	164,410	164,410
RESEARCH, DEVELOPMENT, TEST & EVAL, AF				
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
048	0604858F	TECH TRANSITION PROGRAM	26,450	26,450
072	1206857F	SPACE RAPID CAPABILITIES OFFICE	17,885	17,885
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	44,335	44,335
OPERATIONAL SYSTEMS DEVELOPMENT				
177	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE	4,000	4,000
217	0208288F	INTEL DATA APPLICATIONS	1,200	1,200
311A	9999999999	CLASSIFIED PROGRAMS	78,713	78,713
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	83,913	83,913
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF ..	128,248	128,248
RESEARCH, DEVELOPMENT, TEST & EVAL, DW				
APPLIED RESEARCH				
010	0602134BR	COUNTER IMPROVISED-THREAT ADVANCED STUDIES	1,677	1,677
		SUBTOTAL APPLIED RESEARCH	1,677	1,677
ADVANCED TECHNOLOGY DEVELOPMENT				
025	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	25,230	25,230
027	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION	49,528	49,528
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	74,758	74,758
ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES				
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	113,590	113,590
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.	113,590	113,590
OPERATIONAL SYSTEM DEVELOPMENT				
UNDISTRIBUTED				
258	1160408BB	OPERATIONAL ENHANCEMENTS	726	726
259	1160431BB	WARRIOR SYSTEMS	6,000	6,000
261	1160434BB	UNMANNED ISR	5,000	5,000
266A	9999999999	CLASSIFIED PROGRAMS	200,199	200,199
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	211,925	211,925
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	401,950	401,950
		TOTAL RDT&E	898,732	890,732

1 **TITLE XLIII—OPERATION AND**
 2 **MAINTENANCE**

3 **SEC. 4301. OPERATION AND MAINTENANCE.**

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
OPERATION & MAINTENANCE, ARMY			
OPERATING FORCES			
010	MANEUVER UNITS	1,735,922	1,659,222
	Unjustified growth		[-76,700]
020	MODULAR SUPPORT BRIGADES	127,815	126,515
	Unjustified growth		[-1,300]
030	ECHELONS ABOVE BRIGADE	716,356	709,356
	Unjustified growth		[-7,000]
040	THEATER LEVEL ASSETS	890,891	881,991
	Unjustified growth		[-8,900]
050	LAND FORCES OPERATIONS SUPPORT	1,232,477	1,230,477
	Unjustified growth		[-2,000]
060	AVIATION ASSETS	1,355,606	1,282,106
	Excess to need		[-73,500]
070	FORCE READINESS OPERATIONS SUPPORT	3,882,315	2,659,315
	Excess FTE request		[-38,000]
	Female Personal Protective Equipment		[2,000]
	Realignment to OCO		[-1,100,000]
	Unjustified growth		[-12,000]
	Unjustified transfer		[-75,000]
080	LAND FORCES SYSTEMS READINESS	417,069	417,069
090	LAND FORCES DEPOT MAINTENANCE	1,633,327	1,633,327
100	BASE OPERATIONS SUPPORT	8,047,933	8,002,933
	Unjustified growth		[-45,000]
110	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION	4,326,840	4,051,840
	Unexecutable growth		[-275,000]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS ...	405,612	405,612
160	US AFRICA COMMAND	251,511	251,511
170	US EUROPEAN COMMAND	146,358	146,358
180	US SOUTHERN COMMAND	191,840	218,340
	Multi-Mission Support Vessel		[18,000]
	Overland airborne ISR operations		[8,500]
190	US FORCES KOREA	57,603	57,603
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	423,156	423,156
210	CYBERSPACE ACTIVITIES—CYBERSECURITY	551,185	551,185
	SUBTOTAL OPERATING FORCES	26,393,816	24,707,916
MOBILIZATION			
220	STRATEGIC MOBILITY	380,577	380,577
230	ARMY PREPOSITIONED STOCKS	362,942	362,942
240	INDUSTRIAL PREPAREDNESS	4,637	4,637
	SUBTOTAL MOBILIZATION	748,156	748,156
TRAINING AND RECRUITING			
250	OFFICER ACQUISITION	157,175	157,175
260	RECRUIT TRAINING	55,739	55,739
270	ONE STATION UNIT TRAINING	62,300	62,300
280	SENIOR RESERVE OFFICERS TRAINING CORPS	538,357	538,357
290	SPECIALIZED SKILL TRAINING	969,813	969,813
300	FLIGHT TRAINING	1,234,049	1,209,049
	Changes to AH-64E Program		[-25,000]
310	PROFESSIONAL DEVELOPMENT EDUCATION	218,338	218,338
320	TRAINING SUPPORT	554,659	550,659
	Excess travel request		[-4,000]
330	RECRUITING AND ADVERTISING	716,056	716,056
340	EXAMINING	185,034	185,034
350	OFF-DUTY AND VOLUNTARY EDUCATION	214,275	214,275
360	CIVILIAN EDUCATION AND TRAINING	147,647	147,647
370	JUNIOR RESERVE OFFICER TRAINING CORPS	173,812	173,812
	SUBTOTAL TRAINING AND RECRUITING	5,227,254	5,198,254

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
ADMIN & SRVWIDE ACTIVITIES			
390	SERVICEWIDE TRANSPORTATION	559,229	559,229
400	CENTRAL SUPPLY ACTIVITIES	929,944	927,944
	Excess personnel		[-2,000]
410	LOGISTIC SUPPORT ACTIVITIES	629,981	629,981
420	AMMUNITION MANAGEMENT	458,771	458,771
430	ADMINISTRATION	428,768	428,768
440	SERVICEWIDE COMMUNICATIONS	1,512,736	1,512,736
450	MANPOWER MANAGEMENT	272,738	272,738
460	OTHER PERSONNEL SUPPORT	391,869	381,869
	Unjustified growth		[-10,000]
470	OTHER SERVICE SUPPORT	1,901,165	1,896,080
	Unjustified headquarters growth		[-5,085]
480	ARMY CLAIMS ACTIVITIES	198,765	198,765
490	REAL ESTATE MANAGEMENT	226,248	226,248
500	FINANCIAL MANAGEMENT AND AUDIT READINESS	315,489	310,489
	Unjustified growth to General Fund Enterprise Business System		[-5,000]
510	INTERNATIONAL MILITARY HEADQUARTERS	427,254	427,254
520	MISC. SUPPORT OF OTHER NATIONS	43,248	43,248
565	CLASSIFIED PROGRAMS	1,347,053	1,347,053
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	9,643,258	9,621,173
UNDISTRIBUTED			
570	UNDISTRIBUTED		-110,000
	Overestimation of Civilian FTE Targets		[-110,000]
	SUBTOTAL UNDISTRIBUTED		-110,000
	TOTAL OPERATION & MAINTENANCE, ARMY	42,012,484	40,165,499
OPERATION & MAINTENANCE, ARMY RES			
OPERATING FORCES			
010	MODULAR SUPPORT BRIGADES	11,927	11,927
020	ECHELONS ABOVE BRIGADE	533,015	533,015
030	THEATER LEVEL ASSETS	119,517	118,101
	Insufficient justification		[-1,416]
040	LAND FORCES OPERATIONS SUPPORT	550,468	548,268
	Insufficient justification		[-2,200]
050	AVIATION ASSETS	86,670	85,170
	Unjustified growth		[-1,500]
060	FORCE READINESS OPERATIONS SUPPORT	390,061	388,661
	Excess civilian increase		[-400]
	Excess travel increase		[-1,000]
070	LAND FORCES SYSTEMS READINESS	101,890	101,890
080	LAND FORCES DEPOT MAINTENANCE	48,503	48,503
090	BASE OPERATIONS SUPPORT	598,907	598,907
100	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION	444,376	444,376
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS ...	22,095	22,095
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	3,288	3,288
130	CYBERSPACE ACTIVITIES—CYBERSECURITY	7,655	7,655
	SUBTOTAL OPERATING FORCES	2,918,372	2,911,856
ADMIN & SRVWD ACTIVITIES			
140	SERVICEWIDE TRANSPORTATION	14,533	14,533
150	ADMINISTRATION	17,231	17,231
160	SERVICEWIDE COMMUNICATIONS	14,304	14,304
170	MANPOWER MANAGEMENT	6,129	6,129
180	RECRUITING AND ADVERTISING	58,541	58,541
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	110,738	110,738
	TOTAL OPERATION & MAINTENANCE, ARMY RES	3,029,110	3,022,594
OPERATION & MAINTENANCE, ARNG			
OPERATING FORCES			
010	MANEUVER UNITS	805,671	797,671
	Excess growth		[-8,000]
020	MODULAR SUPPORT BRIGADES	195,334	193,334

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	Excess growth		[-2,000]
030	ECHELONS ABOVE BRIGADE	771,048	770,548
	Excess growth		[-500]
040	THEATER LEVEL ASSETS	94,726	91,826
	Excess growth		[-2,900]
050	LAND FORCES OPERATIONS SUPPORT	33,696	33,696
060	AVIATION ASSETS	981,819	973,819
	Insufficient justification		[-8,000]
070	FORCE READINESS OPERATIONS SUPPORT	743,206	743,206
080	LAND FORCES SYSTEMS READINESS	50,963	50,963
090	LAND FORCES DEPOT MAINTENANCE	258,278	249,778
	Insufficient justification		[-8,500]
100	BASE OPERATIONS SUPPORT	1,153,076	1,121,576
	Insufficient justification		[-31,500]
110	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION	1,113,475	1,033,475
	Insufficient justification		[-80,000]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS ...	1,001,042	987,042
	Insufficient justification		[-14,000]
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	8,448	8,448
140	CYBERSPACE ACTIVITIES—CYBERSECURITY	7,768	7,768
	SUBTOTAL OPERATING FORCES	7,218,550	7,063,150
ADMIN & SRVWD ACTIVITIES			
150	SERVICEWIDE TRANSPORTATION	9,890	9,890
160	ADMINISTRATION	71,070	71,070
170	SERVICEWIDE COMMUNICATIONS	68,213	68,213
180	MANPOWER MANAGEMENT	8,628	8,628
190	OTHER PERSONNEL SUPPORT	250,376	250,376
200	REAL ESTATE MANAGEMENT	2,676	2,676
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	410,853	410,853
	TOTAL OPERATION & MAINTENANCE, ARNG	7,629,403	7,474,003
OPERATION & MAINTENANCE, NAVY			
OPERATING FORCES			
010	MISSION AND OTHER FLIGHT OPERATIONS	5,309,109	5,029,734
	Excess growth		[-15,000]
	Projected underexecution		[-50,000]
	Realignment to OCO		[-214,375]
020	FLEET AIR TRAINING	2,284,828	2,234,828
	Projected underexecution		[-50,000]
030	AVIATION TECHNICAL DATA & ENGINEERING SERV- ICES	59,299	59,299
040	AIR OPERATIONS AND SAFETY SUPPORT	155,896	155,896
050	AIR SYSTEMS SUPPORT	719,107	719,107
060	AIRCRAFT DEPOT MAINTENANCE	1,154,181	1,154,181
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	60,402	59,202
	Excess growth		[-1,200]
080	AVIATION LOGISTICS	1,241,421	1,219,421
	Projected underexecution		[-22,000]
090	MISSION AND OTHER SHIP OPERATIONS	4,097,262	3,596,262
	Realignment to OCO		[-450,000]
	Unjustified growth		[-51,000]
100	SHIP OPERATIONS SUPPORT & TRAINING	1,031,792	1,029,792
	Excess civilian growth		[-2,000]
110	SHIP DEPOT MAINTENANCE	8,061,298	8,895,298
	Surface ship maintenance		[161,000]
	USS Boise		[310,000]
	USS Columbus		[57,000]
	USS Hartford		[306,000]
120	SHIP DEPOT OPERATIONS SUPPORT	2,073,641	2,066,141
	Insufficient justification		[-7,500]
130	COMBAT COMMUNICATIONS AND ELECTRONIC WAR- FARE	1,378,856	1,378,856
140	SPACE SYSTEMS AND SURVEILLANCE	276,245	273,745
	Unjustified growth		[-2,500]
150	WARFARE TACTICS	675,209	675,209
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	389,516	389,516
170	COMBAT SUPPORT FORCES	1,536,310	1,526,310

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	Unjustified growth		[-10,000]
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	161,579	161,579
190	COMBATANT COMMANDERS CORE OPERATIONS	59,521	59,521
200	COMBATANT COMMANDERS DIRECT MISSION SUP- PORT	93,978	93,978
210	MILITARY INFORMATION SUPPORT OPERATIONS	8,641	8,641
220	CYBERSPACE ACTIVITIES	496,385	496,385
230	FLEET BALLISTIC MISSILE	1,423,339	1,423,339
240	WEAPONS MAINTENANCE	924,069	895,032
	Insufficient justification		[-29,037]
250	OTHER WEAPON SYSTEMS SUPPORT	540,210	540,210
260	ENTERPRISE INFORMATION	1,131,627	1,081,627
	Unjustified growth		[-50,000]
270	SUSTAINMENT, RESTORATION AND MODERNIZATION Unexecutable growth	3,029,634	2,929,634
			[-100,000]
280	BASE OPERATING SUPPORT	4,414,943	4,414,943
	SUBTOTAL OPERATING FORCES	42,788,298	42,567,686
MOBILIZATION			
290	SHIP PREPOSITIONING AND SURGE	942,902	668,561
	Realignment to NDSF (DoD mobilization alterations)		[-9,590]
	Realignment to NDSF (LSMR maintenance)		[-264,751]
300	READY RESERVE FORCE	352,044	0
	Realignment to NDSF		[-352,044]
310	SHIP ACTIVATIONS/INACTIVATIONS	427,555	427,555
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS	137,597	40,730
	Realignment to NDSF (TAH maintenance)		[-96,867]
330	COAST GUARD SUPPORT	24,604	24,604
	SUBTOTAL MOBILIZATION	1,884,702	1,161,450
TRAINING AND RECRUITING			
340	OFFICER ACQUISITION	150,765	150,765
350	RECRUIT TRAINING	11,584	11,584
360	RESERVE OFFICERS TRAINING CORPS	159,133	159,133
370	SPECIALIZED SKILL TRAINING	911,316	891,316
	Insufficient justification		[-20,000]
380	PROFESSIONAL DEVELOPMENT EDUCATION	185,211	186,261
	Program Increase: Sea Cadets		[1,050]
390	TRAINING SUPPORT	267,224	267,224
400	RECRUITING AND ADVERTISING	209,252	209,252
410	OFF-DUTY AND VOLUNTARY EDUCATION	88,902	88,902
420	CIVILIAN EDUCATION AND TRAINING	67,492	67,492
430	JUNIOR ROTC	55,164	55,164
	SUBTOTAL TRAINING AND RECRUITING	2,106,043	2,087,093
ADMIN & SRVWD ACTIVITIES			
440	ADMINISTRATION	1,143,358	1,096,733
	Excess civilian growth		[-14,375]
	Insufficient justification—MHA Transfer		[-25,500]
	Unjustified growth		[-6,750]
450	CIVILIAN MANPOWER AND PERSONNEL MANAGE- MENT	178,342	175,342
	Excess civilian growth		[-3,000]
460	MILITARY MANPOWER AND PERSONNEL MANAGE- MENT	418,413	418,413
490	SERVICEWIDE TRANSPORTATION	157,465	157,465
510	PLANNING, ENGINEERING, AND PROGRAM SUPPORT ..	485,397	485,397
520	ACQUISITION, LOGISTICS, AND OVERSIGHT	654,137	654,137
530	INVESTIGATIVE AND SECURITY SERVICES	718,061	718,061
645	CLASSIFIED PROGRAMS	591,535	591,535
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	4,346,708	4,297,083
UNDISTRIBUTED			
650	UNDISTRIBUTED		-30,000
	Overestimation of Civilian FTE Targets		[-30,000]
	SUBTOTAL UNDISTRIBUTED		-30,000
	TOTAL OPERATION & MAINTENANCE, NAVY	51,125,751	50,083,312

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
OPERATION & MAINTENANCE, MARINE CORPS			
OPERATING FORCES			
010	OPERATIONAL FORCES	968,224	927,224
	Excess civilian growth		[-1,000]
	Unjustified growth		[-40,000]
020	FIELD LOGISTICS	1,278,533	1,269,533
	Excess civilian growth		[-2,000]
	Unjustified growth		[-7,000]
030	DEPOT MAINTENANCE	232,991	232,991
040	MARITIME PREPOSITIONING	100,396	100,396
050	CYBERSPACE ACTIVITIES	203,580	201,580
	Excess civilian growth		[-2,000]
060	SUSTAINMENT, RESTORATION & MODERNIZATION	1,559,034	1,559,034
070	BASE OPERATING SUPPORT	2,253,776	2,213,776
	Excess civilian growth		[-6,000]
	Unjustified growth		[-34,000]
	SUBTOTAL OPERATING FORCES	6,596,534	6,504,534
TRAINING AND RECRUITING			
080	RECRUIT TRAINING	21,240	21,240
090	OFFICER ACQUISITION	1,168	1,168
100	SPECIALIZED SKILL TRAINING	106,601	106,601
110	PROFESSIONAL DEVELOPMENT EDUCATION	49,095	49,095
120	TRAINING SUPPORT	407,315	403,715
	Excess civilian growth		[-1,300]
	Unjustified growth		[-2,300]
130	RECRUITING AND ADVERTISING	210,475	210,475
140	OFF-DUTY AND VOLUNTARY EDUCATION	42,810	42,810
150	JUNIOR ROTC	25,183	25,183
	SUBTOTAL TRAINING AND RECRUITING	863,887	860,287
ADMIN & SRVWD ACTIVITIES			
160	SERVICEWIDE TRANSPORTATION	29,894	29,894
170	ADMINISTRATION	384,352	383,002
	Excess civilian growth		[-750]
	Unjustified growth		[-600]
225	CLASSIFIED PROGRAMS	52,057	52,057
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	466,303	464,953
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	7,926,724	7,829,774
OPERATION & MAINTENANCE, NAVY RES			
OPERATING FORCES			
010	MISSION AND OTHER FLIGHT OPERATIONS	654,220	639,220
	Unjustified growth		[-15,000]
020	INTERMEDIATE MAINTENANCE	8,767	8,767
030	AIRCRAFT DEPOT MAINTENANCE	108,236	108,236
040	AIRCRAFT DEPOT OPERATIONS SUPPORT	463	463
050	AVIATION LOGISTICS	26,014	26,014
060	SHIP OPERATIONS SUPPORT & TRAINING	583	583
070	COMBAT COMMUNICATIONS	17,883	17,883
080	COMBAT SUPPORT FORCES	128,079	128,079
090	CYBERSPACE ACTIVITIES	356	356
100	ENTERPRISE INFORMATION	26,133	26,133
110	SUSTAINMENT, RESTORATION AND MODERNIZATION	35,397	35,397
120	BASE OPERATING SUPPORT	101,376	101,376
	SUBTOTAL OPERATING FORCES	1,107,507	1,092,507
ADMIN & SRVWD ACTIVITIES			
130	ADMINISTRATION	1,888	1,888
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,778	12,778
150	ACQUISITION AND PROGRAM MANAGEMENT	2,943	2,943
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	17,609	17,609
	TOTAL OPERATION & MAINTENANCE, NAVY RES	1,125,116	1,110,116
OPERATION & MAINTENANCE, MC RESERVE			
OPERATING FORCES			

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
010	OPERATING FORCES	106,484	106,484
020	DEPOT MAINTENANCE	18,429	18,429
030	SUSTAINMENT, RESTORATION AND MODERNIZATION	47,516	47,516
040	BASE OPERATING SUPPORT	106,073	106,073
	SUBTOTAL OPERATING FORCES	278,502	278,502
ADMIN & SRVWD ACTIVITIES			
050	ADMINISTRATION	13,574	13,574
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	13,574	13,574
	TOTAL OPERATION & MAINTENANCE, MC RE-		
	SERVE	292,076	292,076
OPERATION & MAINTENANCE, AIR FORCE			
OPERATING FORCES			
010	PRIMARY COMBAT FORCES	729,127	727,477
	Excess travel costs		[-1,650]
020	COMBAT ENHANCEMENT FORCES	1,318,770	1,318,770
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,486,790	1,446,790
	Unjustified growth		[-40,000]
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	3,334,792	3,534,792
	Readiness restoration		[200,000]
050	FACILITIES SUSTAINMENT, RESTORATION & MOD-		
	ERNIZATION	4,142,435	4,142,435
060	CYBERSPACE SUSTAINMENT	228,811	228,811
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUP-		
	PORT	8,329,364	8,438,364
	Expansion of Conditions Based Maintenance Plus (CBM+)		[18,000]
	Readiness restoration		[91,000]
080	FLYING HOUR PROGRAM	4,048,773	3,498,773
	Realignment to OCO		[-550,000]
090	BASE SUPPORT	7,223,982	7,073,982
	Insufficient justification		[-150,000]
100	GLOBAL C3I AND EARLY WARNING	964,553	964,553
110	OTHER COMBAT OPS SPT PROGRAMS	1,032,307	1,026,161
	Unjustified growth		[-6,146]
120	CYBERSPACE ACTIVITIES	670,076	670,076
140	LAUNCH FACILITIES	179,980	179,980
150	SPACE CONTROL SYSTEMS	467,990	464,490
	Insufficient justification		[-3,500]
160	US NORTHCOM/NORAD	184,655	184,655
170	US STRATCOM	478,357	478,357
180	US CYBERCOM	323,121	323,121
190	US CENTCOM	160,989	160,989
200	US SOCOM	6,225	6,225
210	US TRANSCOM	544	544
220	CENTCOM CYBERSPACE SUSTAINMENT	2,073	2,073
230	USSPACECOM	70,588	70,588
235	CLASSIFIED PROGRAMS	1,322,944	1,322,944
	SUBTOTAL OPERATING FORCES	36,707,246	36,264,950
MOBILIZATION			
240	AIRLIFT OPERATIONS	1,158,142	1,151,342
	Unjustified growth		[-6,800]
250	MOBILIZATION PREPAREDNESS	138,672	130,172
	Unjustified growth		[-8,500]
	SUBTOTAL MOBILIZATION	1,296,814	1,281,514
TRAINING AND RECRUITING			
260	OFFICER ACQUISITION	130,835	130,835
270	RECRUIT TRAINING	26,021	26,021
280	RESERVE OFFICERS TRAINING CORPS (ROTC)	121,391	121,391
290	SPECIALIZED SKILL TRAINING	454,539	449,539
	Insufficient justification		[-5,000]
300	FLIGHT TRAINING	600,565	600,565
310	PROFESSIONAL DEVELOPMENT EDUCATION	282,788	282,788
320	TRAINING SUPPORT	123,988	119,988
	Unjustified growth		[-4,000]
330	RECRUITING AND ADVERTISING	167,731	167,731
340	EXAMINING	4,576	4,576

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
350	OFF-DUTY AND VOLUNTARY EDUCATION	211,911	211,911
360	CIVILIAN EDUCATION AND TRAINING	219,021	219,021
370	JUNIOR ROTC	62,092	62,092
	SUBTOTAL TRAINING AND RECRUITING	2,405,458	2,396,458
ADMIN & SRVWD ACTIVITIES			
380	LOGISTICS OPERATIONS	664,926	664,926
390	TECHNICAL SUPPORT ACTIVITIES	101,483	101,483
400	ADMINISTRATION	892,480	892,480
410	SERVICEWIDE COMMUNICATIONS	152,532	152,532
420	OTHER SERVICEWIDE ACTIVITIES	1,254,089	1,254,089
430	CIVIL AIR PATROL	30,070	37,200
	Improved emergency crew readiness		[7,130]
460	INTERNATIONAL SUPPORT	136,110	136,110
465	CLASSIFIED PROGRAMS	1,269,624	1,269,624
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	4,501,314	4,508,444
TOTAL OPERATION & MAINTENANCE, AIR FORCE			
		44,910,832	44,451,366
OPERATION & MAINTENANCE, SPACE FORCE OPERATING FORCES			
010	BASE SUPPORT	72,436	15,000
	Insufficient justification		[-57,436]
	SUBTOTAL OPERATING FORCES	72,436	15,000
TOTAL OPERATION & MAINTENANCE, SPACE FORCE			
		72,436	15,000
OPERATION & MAINTENANCE, AF RESERVE OPERATING FORCES			
010	PRIMARY COMBAT FORCES	1,781,413	1,739,288
	Delay in KC-46 aircraft delivery		[-31,492]
	Excess Growth		[-10,633]
020	MISSION SUPPORT OPERATIONS	209,650	204,150
	Insufficient justification		[-5,500]
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	494,235	484,235
	Excess growth		[-10,000]
040	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION	128,746	128,746
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUP- PORT	256,512	256,512
060	BASE SUPPORT	414,626	414,626
070	CYBERSPACE ACTIVITIES	1,673	1,673
	SUBTOTAL OPERATING FORCES	3,286,855	3,229,230
ADMINISTRATION AND SERVICEWIDE ACTIVI- TIES			
080	ADMINISTRATION	69,436	69,436
090	RECRUITING AND ADVERTISING	22,124	22,124
100	MILITARY MANPOWER AND PERS MGMT (ARPC)	10,946	10,946
110	OTHER PERS SUPPORT (DISABILITY COMP)	7,009	7,009
120	AUDIOVISUAL	448	448
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	109,963	109,963
TOTAL OPERATION & MAINTENANCE, AF RE- SERVE			
		3,396,818	3,339,193
OPERATION & MAINTENANCE, ANG OPERATING FORCES			
010	AIRCRAFT OPERATIONS	2,497,967	2,414,000
	Delay in KC-46 aircraft delivery		[-5,267]
	Insufficient justification		[-78,700]
020	MISSION SUPPORT OPERATIONS	600,377	585,377
	Insufficient justification		[-15,000]
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	879,467	872,467
	Excess growth		[-7,000]
040	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION	400,734	395,134

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	Insufficient justification		[-5,600]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,299,089	1,290,089
	Excess growth		[-9,000]
060	BASE SUPPORT	911,775	901,775
	Insufficient justification		[-10,000]
070	CYBERSPACE SUSTAINMENT	24,742	24,742
080	CYBERSPACE ACTIVITIES	25,507	25,507
	SUBTOTAL OPERATING FORCES	6,639,658	6,509,091
ADMINISTRATION AND SERVICE-WIDE ACTIVITIES			
090	ADMINISTRATION	47,215	47,215
100	RECRUITING AND ADVERTISING	40,356	40,356
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	87,571	87,571
	TOTAL OPERATION & MAINTENANCE, ANG	6,727,229	6,596,662
OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES			
010	JOINT CHIEFS OF STAFF	409,542	409,542
020	JOINT CHIEFS OF STAFF—CE2T2	579,179	579,179
030	JOINT CHIEFS OF STAFF—CYBER	24,598	24,598
040	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	1,075,762	1,075,762
050	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES	14,409	14,409
060	SPECIAL OPERATIONS COMMAND INTELLIGENCE	501,747	486,747
	Program decrease—SOCRATES		[-9,000]
	Unjustified growth—DCGS		[-6,000]
070	SPECIAL OPERATIONS COMMAND MAINTENANCE	559,300	544,300
	Projected underexecution		[-15,000]
080	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	177,928	177,928
090	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	925,262	899,262
	Base support underexecution		[-6,000]
	Operational support underexecution		[-10,000]
	Unjustified growth—CHAS Saas		[-10,000]
100	SPECIAL OPERATIONS COMMAND THEATER FORCES ..	2,764,738	2,724,738
	Program decrease		[-55,000]
	Program increase—suicide prevention		[15,000]
	SUBTOTAL OPERATING FORCES	7,032,465	6,936,465
TRAINING AND RECRUITING			
120	DEFENSE ACQUISITION UNIVERSITY	180,250	180,250
130	JOINT CHIEFS OF STAFF	100,610	100,610
140	PROFESSIONAL DEVELOPMENT EDUCATION	33,967	33,967
	SUBTOTAL TRAINING AND RECRUITING	314,827	314,827
ADMIN & SRVWIDE ACTIVITIES			
160	CIVIL MILITARY PROGRAMS	165,707	195,707
	Program increase—STARBASE		[30,000]
180	DEFENSE CONTRACT AUDIT AGENCY	627,467	627,467
190	DEFENSE CONTRACT AUDIT AGENCY—CYBER	3,362	3,362
200	DEFENSE CONTRACT MANAGEMENT AGENCY	1,438,068	1,438,068
210	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER ..	24,391	24,391
220	DEFENSE HUMAN RESOURCES ACTIVITY	892,438	898,438
	Program increase—national flagship language initiative		[6,000]
230	DEFENSE INFORMATION SYSTEMS AGENCY	2,012,885	2,028,022
	Realignment for Sharkseer		[35,137]
	Unjustified growth		[-20,000]
240	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER ..	601,223	601,223
270	DEFENSE LEGAL SERVICES AGENCY	34,632	34,632
280	DEFENSE LOGISTICS AGENCY	415,699	430,199
	Excess growth		[-5,000]
	Program increase—PTAP		[19,500]
290	DEFENSE MEDIA ACTIVITY	202,792	196,792

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SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	Program decrease		[-6,000]
300	DEFENSE PERSONNEL ACCOUNTING AGENCY	144,881	144,881
310	DEFENSE SECURITY COOPERATION AGENCY	696,884	681,884
	Increase for AM&E		[11,000]
	Increase for AM&E		[-11,000]
	Unjustified growth		[-15,000]
320	DEFENSE SECURITY SERVICE	889,664	889,664
340	DEFENSE SECURITY SERVICE—CYBER	9,220	9,220
360	DEFENSE TECHNICAL INFORMATION CENTER	3,000	3,000
370	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION	35,626	35,626
380	DEFENSE THREAT REDUCTION AGENCY	568,133	568,133
400	DEFENSE THREAT REDUCTION AGENCY—CYBER	13,339	13,339
410	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,932,226	2,982,226
	Program increase—impact aid for children with severe disabilities		[10,000]
	Program increase—impact aid to schools with military de- pendents		[40,000]
420	MISSILE DEFENSE AGENCY	522,529	522,529
450	OFFICE OF ECONOMIC ADJUSTMENT	59,513	114,913
	Civilian growth		[400]
	Defense Community Infrastructure Program (DCIP)		[50,000]
	Program increase—military aviation noise pilot program		[5,000]
460	OFFICE OF THE SECRETARY OF DEFENSE	1,604,738	1,529,476
	Basic Needs Allowance for low-income regular members		[15,000]
	Excess growth		[-58,839]
	Increase to OUSD(A&S)—JASONs		[7,000]
	Military aviation safety commission		[3,000]
	Program decrease		[-53,000]
	Readiness and Environmental Protection Initiative increase		[25,000]
	Reduction to OUSD(R&E)—JASONs		[-7,000]
	Unjustified growth		[-6,423]
470	OFFICE OF THE SECRETARY OF DEFENSE—CYBER	48,783	48,783
480	SPACE DEVELOPMENT AGENCY	44,750	44,750
500	WASHINGTON HEADQUARTERS SERVICES	324,001	296,201
	Insufficient justification		[-27,800]
505	CLASSIFIED PROGRAMS	15,816,598	15,755,461
	Classified adjustment		[-26,000]
	Realignment to DISA for Sharkseer		[-35,137]
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	30,132,549	30,118,387
	TOTAL OPERATION AND MAINTENANCE, DE- FENSE-WIDE	37,479,841	37,369,379
	US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVI- TIES		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE	14,771	14,771
	SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES	14,771	14,771
	TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	14,771	14,771
	DOD ACQUISITION WORKFORCE DEVELOP- MENT FUND		
	ACQUISITION WORKFORCE DEVELOPMENT		
010	ACQ WORKFORCE DEV FD	400,000	375,000
	Program decrease		[-25,000]
	SUBTOTAL ACQUISITION WORKFORCE DEVEL- OPMENT	400,000	375,000
	TOTAL DOD ACQUISITION WORKFORCE DEVEL- OPMENT FUND	400,000	375,000
	OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID		
	HUMANITARIAN ASSISTANCE		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID	108,600	110,800

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SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	Increase for HMA		[2,200]
	SUBTOTAL HUMANITARIAN ASSISTANCE	108,600	110,800
	TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	108,600	110,800
	COOPERATIVE THREAT REDUCTION ACCOUNT COOPERATIVE THREAT REDUCTION		
010	COOPERATIVE THREAT REDUCTION	338,700	338,700
	SUBTOTAL COOPERATIVE THREAT REDUCTION	338,700	338,700
	TOTAL COOPERATIVE THREAT REDUCTION AC- COUNT	338,700	338,700
	ENVIRONMENTAL RESTORATION, ARMY DEPARTMENT OF THE ARMY		
050	ENVIRONMENTAL RESTORATION, ARMY	207,518	235,809
	Perfluorinated chemicals		[28,291]
	SUBTOTAL DEPARTMENT OF THE ARMY	207,518	235,809
	TOTAL ENVIRONMENTAL RESTORATION, ARMY	207,518	235,809
	ENVIRONMENTAL RESTORATION, NAVY DEPARTMENT OF THE NAVY		
060	ENVIRONMENTAL RESTORATION, NAVY	335,932	365,883
	Perfluorinated chemicals		[29,951]
	SUBTOTAL DEPARTMENT OF THE NAVY	335,932	365,883
	TOTAL ENVIRONMENTAL RESTORATION, NAVY	335,932	365,883
	ENVIRONMENTAL RESTORATION, AIR FORCE DEPARTMENT OF THE AIR FORCE		
070	ENVIRONMENTAL RESTORATION, AIR FORCE	302,744	365,808
	Perfluorinated chemicals		[63,064]
	SUBTOTAL DEPARTMENT OF THE AIR FORCE ...	302,744	365,808
	TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE	302,744	365,808
	ENVIRONMENTAL RESTORATION, DEFENSE- WIDE		
080	ENVIRONMENTAL RESTORATION, DEFENSE-WIDE	9,105	19,002
	Perfluorinated chemicals		[9,897]
	SUBTOTAL DEFENSE-WIDE	9,105	19,002
	TOTAL ENVIRONMENTAL RESTORATION, DE- FENSE-WIDE	9,105	19,002
	ENVIRONMENTAL RESTORATION FORMERLY USED SITES DEFENSE-WIDE		
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES	216,499	216,499
	SUBTOTAL DEFENSE-WIDE	216,499	216,499
	TOTAL ENVIRONMENTAL RESTORATION FOR- MERLY USED SITES	216,499	216,499
	TOTAL OPERATION & MAINTENANCE	207,661,689	203,791,546

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 2020 Request	House Authorized
OPERATION & MAINTENANCE, ARMY			
OPERATING FORCES			
010	MANEUVER UNITS	1,410,874	1,410,874
030	ECHELONS ABOVE BRIGADE	26,502	26,502
040	THEATER LEVEL ASSETS	2,274,490	2,274,490
050	LAND FORCES OPERATIONS SUPPORT	136,288	136,288
060	AVIATION ASSETS	300,240	300,240
070	FORCE READINESS OPERATIONS SUPPORT	3,415,009	4,515,009
	Realignment from base		[1,100,000]
080	LAND FORCES SYSTEMS READINESS	29,985	29,985
090	LAND FORCES DEPOT MAINTENANCE	86,931	86,931
100	BASE OPERATIONS SUPPORT	115,706	115,706
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	72,657	72,657
130	ADDITIONAL ACTIVITIES	6,397,586	6,397,586
140	COMMANDER'S EMERGENCY RESPONSE PROGRAM	5,000	0
	Realignment of redress and loss funding		[-5,000]
150	RESET	1,048,896	1,048,896
160	US AFRICA COMMAND	203,174	203,174
170	US EUROPEAN COMMAND	173,676	173,676
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	188,529	188,529
210	CYBERSPACE ACTIVITIES—CYBERSECURITY	5,682	5,682
	SUBTOTAL OPERATING FORCES	15,891,225	16,986,225
MOBILIZATION			
230	ARMY PREPOSITIONED STOCKS	131,954	131,954
	SUBTOTAL MOBILIZATION	131,954	131,954
ADMIN & SRVWIDE ACTIVITIES			
390	SERVICEWIDE TRANSPORTATION	721,014	721,014
400	CENTRAL SUPPLY ACTIVITIES	66,845	66,845
410	LOGISTIC SUPPORT ACTIVITIES	9,309	9,309
420	AMMUNITION MANAGEMENT	23,653	23,653
460	OTHER PERSONNEL SUPPORT	109,019	109,019
490	REAL ESTATE MANAGEMENT	251,355	251,355
565	CLASSIFIED PROGRAMS	1,568,564	1,568,564
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	2,749,759	2,749,759
	TOTAL OPERATION & MAINTENANCE, ARMY	18,772,938	19,867,938
OPERATION & MAINTENANCE, ARMY RES			
OPERATING FORCES			
020	ECHELONS ABOVE BRIGADE	20,440	20,440
060	FORCE READINESS OPERATIONS SUPPORT	689	689
090	BASE OPERATIONS SUPPORT	16,463	16,463
	SUBTOTAL OPERATING FORCES	37,592	37,592
	TOTAL OPERATION & MAINTENANCE, ARMY RES	37,592	37,592
OPERATION & MAINTENANCE, ARNG			
OPERATING FORCES			
010	MANEUVER UNITS	45,896	45,896
020	MODULAR SUPPORT BRIGADES	180	180
030	ECHELONS ABOVE BRIGADE	2,982	2,982
040	THEATER LEVEL ASSETS	548	548
060	AVIATION ASSETS	9,229	9,229
070	FORCE READINESS OPERATIONS SUPPORT	1,584	1,584
100	BASE OPERATIONS SUPPORT	22,063	22,063
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	606	606
	SUBTOTAL OPERATING FORCES	83,088	83,088
ADMIN & SRVWD ACTIVITIES			
170	SERVICEWIDE COMMUNICATIONS	203	203
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	203	203

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
	TOTAL OPERATION & MAINTENANCE, ARNG	83,291	83,291
	AFGHAN NATIONAL ARMY		
090	SUSTAINMENT	1,313,047	1,313,047
100	INFRASTRUCTURE	37,152	37,152
110	EQUIPMENT AND TRANSPORTATION	120,868	120,868
120	TRAINING AND OPERATIONS	118,591	118,591
	SUBTOTAL AFGHAN NATIONAL ARMY	1,589,658	1,589,658
	AFGHAN NATIONAL POLICE		
130	SUSTAINMENT	422,806	422,806
140	INFRASTRUCTURE	2,358	2,358
150	EQUIPMENT AND TRANSPORTATION	127,081	127,081
160	TRAINING AND OPERATIONS	108,112	108,112
	SUBTOTAL AFGHAN NATIONAL POLICE	660,357	660,357
	AFGHAN AIR FORCE		
170	SUSTAINMENT	893,829	893,829
180	INFRASTRUCTURE	8,611	8,611
190	EQUIPMENT AND TRANSPORTATION	566,967	566,967
200	TRAINING AND OPERATIONS	356,108	356,108
	SUBTOTAL AFGHAN AIR FORCE	1,825,515	1,825,515
	AFGHAN SPECIAL SECURITY FORCES		
210	SUSTAINMENT	437,909	437,909
220	INFRASTRUCTURE	21,131	21,131
230	EQUIPMENT AND TRANSPORTATION	153,806	153,806
240	TRAINING AND OPERATIONS	115,602	115,602
	SUBTOTAL AFGHAN SPECIAL SECURITY FORCES	728,448	728,448
	UNDISTRIBUTED		
245	UNDISTRIBUTED		-300,000
	Unjustified request		[-300,000]
	SUBTOTAL UNDISTRIBUTED		-300,000
	TOTAL AFGHANISTAN SECURITY FORCES FUND	4,803,978	4,503,978
	COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)		
	COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)		
010	IRAQ	745,000	663,000
	Unjustified request		[-82,000]
020	SYRIA	300,000	300,000
030	BORDER SECURITY		250,000
	Realignment of CTEF border security funding		[250,000]
	SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)	1,045,000	1,213,000
	TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)	1,045,000	1,213,000
	OPERATION & MAINTENANCE, NAVY		
	OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	373,047	587,422
	Realignment from base		[214,375]
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	816	816
040	AIR OPERATIONS AND SAFETY SUPPORT	9,582	9,582
050	AIR SYSTEMS SUPPORT	197,262	197,262
060	AIRCRAFT DEPOT MAINTENANCE	168,246	168,246
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	3,594	3,594
080	AVIATION LOGISTICS	10,618	10,618
090	MISSION AND OTHER SHIP OPERATIONS	1,485,108	1,935,108
	Realignment from base		[450,000]
100	SHIP OPERATIONS SUPPORT & TRAINING	20,334	20,334
110	SHIP DEPOT MAINTENANCE	2,365,615	2,365,615
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	58,092	58,092
140	SPACE SYSTEMS AND SURVEILLANCE	18,000	18,000
150	WARFARE TACTICS	16,984	16,984
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	29,382	29,382
170	COMBAT SUPPORT FORCES	608,870	608,870

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS			
(In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	7,799	7,799
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	24,800	24,800
220	CYBERSPACE ACTIVITIES	363	363
240	WEAPONS MAINTENANCE	486,188	486,188
250	OTHER WEAPON SYSTEMS SUPPORT	12,189	12,189
270	SUSTAINMENT, RESTORATION AND MODERNIZATION	68,667	68,667
280	BASE OPERATING SUPPORT	219,099	219,099
	SUBTOTAL OPERATING FORCES	6,184,655	6,849,030
MOBILIZATION			
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS	17,580	17,580
330	COAST GUARD SUPPORT	190,000	190,000
	SUBTOTAL MOBILIZATION	207,580	207,580
TRAINING AND RECRUITING			
370	SPECIALIZED SKILL TRAINING	52,161	52,161
	SUBTOTAL TRAINING AND RECRUITING	52,161	52,161
ADMIN & SRVWD ACTIVITIES			
440	ADMINISTRATION	8,475	8,475
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	7,653	7,653
490	SERVICEWIDE TRANSPORTATION	70,683	70,683
520	ACQUISITION, LOGISTICS, AND OVERSIGHT	11,130	11,130
530	INVESTIGATIVE AND SECURITY SERVICES	1,559	1,559
645	CLASSIFIED PROGRAMS	17,754	17,754
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	117,254	117,254
	TOTAL OPERATION & MAINTENANCE, NAVY	6,561,650	7,226,025
OPERATION & MAINTENANCE, MARINE CORPS OPERATING FORCES			
010	OPERATIONAL FORCES	714,653	714,653
020	FIELD LOGISTICS	232,508	232,508
030	DEPOT MAINTENANCE	54,101	54,101
050	CYBERSPACE ACTIVITIES	2,000	2,000
070	BASE OPERATING SUPPORT	24,570	24,570
	SUBTOTAL OPERATING FORCES	1,027,832	1,027,832
TRAINING AND RECRUITING			
120	TRAINING SUPPORT	30,459	30,459
	SUBTOTAL TRAINING AND RECRUITING	30,459	30,459
ADMIN & SRVWD ACTIVITIES			
160	SERVICEWIDE TRANSPORTATION	61,400	61,400
225	CLASSIFIED PROGRAMS	5,100	5,100
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	66,500	66,500
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	1,124,791	1,124,791
OPERATION & MAINTENANCE, NAVY RES OPERATING FORCES			
020	INTERMEDIATE MAINTENANCE	510	510
030	AIRCRAFT DEPOT MAINTENANCE	11,628	11,628
080	COMBAT SUPPORT FORCES	10,898	10,898
	SUBTOTAL OPERATING FORCES	23,036	23,036
	TOTAL OPERATION & MAINTENANCE, NAVY RES	23,036	23,036
OPERATION & MAINTENANCE, MC RESERVE OPERATING FORCES			
010	OPERATING FORCES	7,627	7,627
040	BASE OPERATING SUPPORT	1,080	1,080
	SUBTOTAL OPERATING FORCES	8,707	8,707
	TOTAL OPERATION & MAINTENANCE, MC RESERVE ...	8,707	8,707
OPERATION & MAINTENANCE, AIR FORCE OPERATING FORCES			

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
010	PRIMARY COMBAT FORCES	163,632	163,632
020	COMBAT ENHANCEMENT FORCES	1,049,170	1,049,170
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	111,808	111,808
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	408,699	408,699
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	147,264	147,264
060	CYBERSPACE SUSTAINMENT	10,061	10,061
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT ..	953,594	953,594
080	FLYING HOUR PROGRAM	2,495,266	3,045,266
	Realignment from base		[550,000]
090	BASE SUPPORT	1,538,120	1,538,120
100	GLOBAL C3I AND EARLY WARNING	13,863	13,863
110	OTHER COMBAT OPS SPT PROGRAMS	272,020	272,020
120	CYBERSPACE ACTIVITIES	17,657	17,657
130	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,098	36,098
140	LAUNCH FACILITIES	391	391
150	SPACE CONTROL SYSTEMS	39,990	39,990
160	US NORTHCOM/NORAD	725	725
170	US STRATCOM	926	926
180	US CYBERCOM	35,189	35,189
190	US CENTCOM	163,015	163,015
200	US SOCOM	19,000	19,000
	SUBTOTAL OPERATING FORCES	7,476,488	8,026,488
MOBILIZATION			
240	AIRLIFT OPERATIONS	1,271,439	1,271,439
250	MOBILIZATION PREPAREDNESS	109,682	109,682
	SUBTOTAL MOBILIZATION	1,381,121	1,381,121
TRAINING AND RECRUITING			
260	OFFICER ACQUISITION	200	200
270	RECRUIT TRAINING	352	352
290	SPECIALIZED SKILL TRAINING	26,802	26,802
300	FLIGHT TRAINING	844	844
310	PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199
320	TRAINING SUPPORT	1,320	1,320
	SUBTOTAL TRAINING AND RECRUITING	30,717	30,717
ADMIN & SRVWD ACTIVITIES			
380	LOGISTICS OPERATIONS	164,701	164,701
390	TECHNICAL SUPPORT ACTIVITIES	11,608	11,608
400	ADMINISTRATION	4,814	4,814
410	SERVICEWIDE COMMUNICATIONS	145,204	145,204
420	OTHER SERVICEWIDE ACTIVITIES	98,841	98,841
460	INTERNATIONAL SUPPORT	29,890	29,890
465	CLASSIFIED PROGRAMS	52,995	52,995
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	508,053	508,053
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	9,396,379	9,946,379
OPERATION & MAINTENANCE, AF RESERVE OPERATING FORCES			
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	24,188	24,188
060	BASE SUPPORT	5,570	5,570
	SUBTOTAL OPERATING FORCES	29,758	29,758
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	29,758	29,758
OPERATION & MAINTENANCE, ANG OPERATING FORCES			
020	MISSION SUPPORT OPERATIONS	3,666	3,666
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	66,944	66,944
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT ..	93,620	93,620
060	BASE SUPPORT	12,679	12,679
	SUBTOTAL OPERATING FORCES	176,909	176,909
	TOTAL OPERATION & MAINTENANCE, ANG	176,909	176,909
OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES			

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	Item	FY 2020 Request	House Authorized
010	JOINT CHIEFS OF STAFF	21,866	21,866
020	JOINT CHIEFS OF STAFF—CE2T2	6,634	6,634
040	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	1,121,580	1,121,580
060	SPECIAL OPERATIONS COMMAND INTELLIGENCE	1,328,201	1,328,201
070	SPECIAL OPERATIONS COMMAND MAINTENANCE	399,845	399,845
090	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT ..	138,458	102,958
	Project underexecution—communications		[−35,500]
100	SPECIAL OPERATIONS COMMAND THEATER FORCES	808,729	808,729
	SUBTOTAL OPERATING FORCES	3,825,313	3,789,813
ADMIN & SRVWIDE ACTIVITIES			
180	DEFENSE CONTRACT AUDIT AGENCY	1,810	1,810
200	DEFENSE CONTRACT MANAGEMENT AGENCY	21,723	21,723
230	DEFENSE INFORMATION SYSTEMS AGENCY	81,133	81,133
240	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER	3,455	3,455
270	DEFENSE LEGAL SERVICES AGENCY	196,124	196,124
290	DEFENSE MEDIA ACTIVITY	14,377	14,377
310	DEFENSE SECURITY COOPERATION AGENCY	1,927,217	1,364,427
	Realignment of CTEF border security funding		[−250,000]
	Transfer of funds to Ukraine Security Assistance		[−250,000]
	Unjustified growth		[−62,790]
380	DEFENSE THREAT REDUCTION AGENCY	317,558	307,558
	Program decrease		[−10,000]
410	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	31,620	31,620
460	OFFICE OF THE SECRETARY OF DEFENSE	16,666	21,666
	Realignment of redress and loss funding		[5,000]
500	WASHINGTON HEADQUARTERS SERVICES	6,331	6,331
505	CLASSIFIED PROGRAMS	1,924,785	1,924,785
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	4,542,799	3,975,009
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	8,368,112	7,764,822
UKRAINE SECURITY ASSISTANCE			
UKRAINE SECURITY ASSISTANCE			
010	UKRAINE SECURITY ASSISTANCE		250,000
	Transfer of funds from Defense Security Cooperation Agency		[250,000]
	SUBTOTAL UKRAINE SECURITY ASSISTANCE		250,000
	TOTAL UKRAINE SECURITY ASSISTANCE		250,000
	TOTAL OPERATION & MAINTENANCE	50,432,141	52,256,226

1 **TITLE XLIV—MILITARY**
 2 **PERSONNEL**
 3 **SEC. 4401. MILITARY PERSONNEL.**

SEC. 4401. MILITARY PERSONNEL (In Thousands of Dollars)		
Item	FY 2020 Request	House Authorized
Military Personnel Appropriations	143,476,503	142,248,503
Historical unobligated balances		[−1,228,000]
Medicare-Eligible Retiree Health Fund Contributions	7,816,815	7,816,815

1 **SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTIN-**
 2 **GENCY OPERATIONS.**

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS
 (In Thousands of Dollars)

Item	FY 2020 Request	House Authorized
Military Personnel Appropriations	4,485,808	4,485,808

3 **TITLE XLV—OTHER**
 4 **AUTHORIZATIONS**

5 **SEC. 4501. OTHER AUTHORIZATIONS.**

SEC. 4501. OTHER AUTHORIZATIONS
 (In Thousands of Dollars)

Item	FY 2020 Request	House Authorized
WORKING CAPITAL FUND, ARMY		
INDUSTRIAL OPERATIONS	57,467	57,467
SUPPLY MANAGEMENT—ARMY	32,130	32,130
TOTAL WORKING CAPITAL FUND, ARMY	89,597	89,597
WORKING CAPITAL FUND, AIR FORCE		
TRANSPORTATION		
SUPPLIES AND MATERIALS	92,499	92,499
TOTAL WORKING CAPITAL FUND, AIR FORCE	92,499	92,499
WORKING CAPITAL FUND, DEFENSE-WIDE		
SUPPLY CHAIN MANAGEMENT—DEF	49,085	49,085
TOTAL WORKING CAPITAL FUND, DEFENSE- WIDE	49,085	49,085
WORKING CAPITAL FUND, DECA		
WORKING CAPITAL FUND, DECA	995,030	995,030
TOTAL WORKING CAPITAL FUND, DECA	995,030	995,030
NATIONAL DEFENSE SEALIFT FUND		
LG MED SPD RO/RO MAINTENANCE		264,751
Realignment from Operations and Maintenance, Navy		[264,751]
DOD MOBILIZATION ALTERATIONS		9,590
Realignment from Operations and Maintenance, Navy		[9,590]
TAH MAINTENANCE		96,867
Realignment from Operations and Maintenance, Navy		[96,867]
READY RESERVE FORCE		352,044
Realignment from Operations and Maintenance, Navy		[352,044]
TOTAL NATIONAL DEFENSE SEALIFT FUND ..		723,252
WCF, DEF COUNTERINTELLIGENCE & SECURITY AGENCY		
DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY	200,000	200,000
TOTAL WCF, DEF COUNTERINTELLIGENCE & SECURITY AGENCY	200,000	200,000
CHEM AGENTS & MUNITIONS DESTRUCTION		
OPERATION & MAINTENANCE	107,351	107,351
RDT&E	875,930	865,930
Unjustified growth		[-10,000]

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)		
Item	FY 2020 Request	House Authorized
PROCUREMENT	2,218	2,218
TOTAL CHEM AGENTS & MUNITIONS DESTRUCTION	985,499	975,499
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
COUNTER-NARCOTICS SUPPORT	581,739	517,171
Realignment of National Guard Bureau funding		[-30,921]
Unjustified growth		[-33,647]
DRUG DEMAND REDUCTION PROGRAM	120,922	120,922
NATIONAL GUARD COUNTER-DRUG PROGRAM	91,370	122,291
Realignment of National Guard Bureau funding		[30,921]
NATIONAL GUARD COUNTER-DRUG SCHOOLS	5,371	5,371
TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	799,402	765,755
OFFICE OF THE INSPECTOR GENERAL		
OFFICE OF THE INSPECTOR GENERAL	359,022	359,022
OFFICE OF THE INSPECTOR GENERAL—CYBER	1,179	1,179
OFFICE OF THE INSPECTOR GENERAL	2,965	2,965
OFFICE OF THE INSPECTOR GENERAL	333	333
TOTAL OFFICE OF THE INSPECTOR GENERAL	363,499	363,499
DEFENSE HEALTH PROGRAM		
IN-HOUSE CARE	9,570,615	9,470,615
Unjustified growth		[-100,000]
PRIVATE SECTOR CARE	15,041,006	15,041,006
CONSOLIDATED HEALTH SUPPORT	1,975,536	1,975,536
INFORMATION MANAGEMENT	2,004,588	2,004,588
MANAGEMENT ACTIVITIES	333,246	333,246
EDUCATION AND TRAINING	793,810	793,810
BASE OPERATIONS/COMMUNICATIONS	2,093,289	2,093,289
UNDISTRIBUTED		7,000
PFAS exposure blood testing for DoD firefighters		[2,000]
TRICARE lead level screening and testing for children		[5,000]
R&D RESEARCH	12,621	22,621
CDC ASTDR PFOS/PFOA health study increment		[10,000]
R&D EXPLORATORY DEVELOPMENT	84,266	84,266
R&D ADVANCED DEVELOPMENT	279,766	279,766
R&D DEMONSTRATION/VALIDATION	128,055	128,055
R&D ENGINEERING DEVELOPMENT	143,527	158,527
Deployment of mTBI/concussion multi-modal devices		[10,000]
Program increase—freeze dried platelets		[5,000]
R&D MANAGEMENT AND SUPPORT	67,219	67,219
R&D CAPABILITIES ENHANCEMENT	16,819	16,819
PROC INITIAL OUTFITTING	26,135	26,135
PROC REPLACEMENT & MODERNIZATION	225,774	225,774
PROC JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM	314	314
PROC MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER	73,010	73,010
PROC DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION	129,091	129,091
TOTAL DEFENSE HEALTH PROGRAM	32,998,687	32,930,687
TOTAL OTHER AUTHORIZATIONS	36,573,298	37,184,903

1 **SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CON-**
 2 **TINGENCY OPERATIONS.**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)		
Item	FY 2020 Request	House Authorized
WORKING CAPITAL FUND, ARMY		
INDUSTRIAL OPERATIONS		
SUPPLY MANAGEMENT—ARMY	20,100	20,100
TOTAL WORKING CAPITAL FUND, ARMY	20,100	20,100
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
COUNTER-NARCOTICS SUPPORT	163,596	153,100
Unjustified growth		[-10,496]
TOTAL DRUG INTERDICTION & CTR-DRUG AC- TIVITIES, DEF	163,596	153,100
OFFICE OF THE INSPECTOR GENERAL		
OFFICE OF THE INSPECTOR GENERAL	24,254	24,254
TOTAL OFFICE OF THE INSPECTOR GENERAL	24,254	24,254
DEFENSE HEALTH PROGRAM		
IN-HOUSE CARE	57,459	57,459
PRIVATE SECTOR CARE	287,487	287,487
CONSOLIDATED HEALTH SUPPORT	2,800	2,800
TOTAL DEFENSE HEALTH PROGRAM	347,746	347,746
TOTAL OTHER AUTHORIZATIONS	555,696	545,200

3 **TITLE XLVI—MILITARY**
 4 **CONSTRUCTION**

5 **SEC. 4601. MILITARY CONSTRUCTION.**

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)					
Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement	
Army	Alabama				
	Redstone Arsenal	Aircraft and Flight Equipment Building	38,000	38,000	
Army	Colorado				
	Fort Carson	Company Operations Facility	71,000	71,000	
Army	Georgia				
	Fort Gordon	Cyber Instructional Fac (Admin/Command)	107,000	70,000	
Army		Hunter Army Airfield	Aircraft Maintenance Hangar	62,000	62,000
Army	Hawaii				
	Fort Shafter	Command and Control Facility, Iner 5	60,000	60,000	
Army	Honduras				
	Soto Cano Air Base	Aircraft Maintenance Hangar	34,000	34,000	
Army	Kentucky				
	Fort Campbell	Automated Infantry Platoon Battle Course	7,100	7,100	
Army		Fort Campbell	Easements	3,200	3,200
Army		Fort Campbell	General Purpose Maintenance Shop	51,000	51,000
Army	Kwajalein				
	Kwajalein Atoll	Air Traffic Control Tower and Terminal	0	40,000	
Army	Massachusetts				
	U.S. Army Natick Soldier Systems Center	Human Engineering Lab	50,000	50,000	
Army	Michigan				
	Detroit Arsenal	Substation	24,000	24,000	
Army	New York				
	Fort Drum	Railhead	0	21,000	
Army		Fort Drum	Unmanned Aerial Vehicle Hangar	23,000	23,000
Army	North Carolina				
	Fort Bragg	Dining Facility	12,500	12,500	

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
Army	Oklahoma Fort Sill	Adv Individual Training Barracks Cplx, Ph2	73,000	73,000
Army	Pennsylvania Carlisle Barracks	General Instruction Building	98,000	60,000
Army	South Carolina Fort Jackson	Reception Complex, Ph2	54,000	54,000
Army	Texas Corpus Christi Army Depot	Powertrain Facility (Machine Shop)	86,000	40,000
Army	Fort Hood	Barracks	32,000	32,000
Army	Fort Hood	Vehicle Bridge	0	18,500
Army	Virginia Fort Belvoir	Secure Operations and Admin Facility	60,000	60,000
Army	Joint Base Langley-Eustis	Adv Individual Training Barracks Cplx, Ph4	55,000	55,000
Army	Washington Joint Base Lewis-McChord	Information Systems Facility	46,000	46,000
Army	Worldwide Unspecified Unspecified Worldwide Locations	Host Nation Support	31,000	31,000
Army	Unspecified Worldwide Locations	Planning and Design	94,099	105,099
Army	Unspecified Worldwide Locations	Unspecified Minor Construction	70,600	70,600
Army	Unspecified Worldwide Locations	Unspecified Worldwide Construction	211,000	0
Navy	Arizona Marine Corps Air Station Yuma	Bachelor Enlisted Quarters	0	99,600
Navy	Marine Corps Air Station Yuma	Hangar 95 Renovation & Addition	90,160	90,160
Navy	Bahrain Island SW Asia	Electrical System Upgrade	53,360	0
Navy	California Camp Pendleton	62 Area Mess Hall and Consolidated Warehouse ...	71,700	71,700
Navy	Camp Pendleton	I MEF Consolidated Information Center	113,869	63,869
Navy	Marine Corps Air Station Miramar	Child Development Center	0	37,400
Navy	Naval Air Weapons Station China Lake	Runway & Taxiway Extension	64,500	64,500
Navy	Naval Base Coronado	Aircraft Paint Complex	0	79,000
Navy	Naval Base Coronado	Navy V-22 Hangar	86,830	86,830
Navy	Naval Base San Diego	Pier 8 Replacement (Inc)	59,353	59,353
Navy	Naval Base San Diego	PMO Facility Repair	0	9,900
Navy	Naval Weapons Station Seal Beach	Ammunition Pier	95,310	60,310
Navy	Naval Weapons Station Seal Beach	Missile Magazine	0	28,000
Navy	Travis Air Force Base	Alert Force Complex	64,000	64,000
Navy	Connecticut Naval Submarine Base New London	SSN Berthing Pier 32	72,260	72,260
Navy	District of Columbia Naval Observatory	Master Time Clocks & Operations Fac (Inc)	75,600	0
Navy	Florida Blount Island	Police Station and EOC Facility	0	18,700
Navy	Naval Air Station Jacksonville	Targeting & Surveillance Syst Prod Supp Fac	32,420	32,420
Navy	Guam Joint Region Marianas	Bachelor Enlisted Quarters H	164,100	64,100
Navy	Joint Region Marianas	EOD Compound Facilities	61,900	61,900
Navy	Joint Region Marianas	Machine Gun Range (Inc)	91,287	91,287
Navy	Hawaii Marine Corps Air Station Kaneohe Bay	Bachelor Enlisted Quarters	134,050	134,050
Navy	Naval Ammunition Depot West Loch	Magazine Consolidation, Phase 1	53,790	53,790
Navy	Italy Naval Air Station Sigonella	Communications Station	77,400	0
Navy	Japan Fleet Activities Yokosuka	Pier 5 (Berths 2 and 3)	174,692	100,000
Navy	Marine Corps Air Station Iwakuni	VTOL Pad—South	15,870	15,870
Navy	Maryland Saint Inigoes	Air Traffic Control Tower	0	15,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
	North Carolina			
Navy	Camp Lejeune	10th Marines Himars Complex	35,110	35,110
Navy	Camp Lejeune	2nd MARDIV/2nd MLG Ops Center Replacement	60,130	60,130
Navy	Camp Lejeune	2nd Radio BN Complex, Phase 2 (Inc)	25,650	25,650
Navy	Camp Lejeune	ACV-AAV Maintenance Facility Upgrades	11,570	0
Navy	Camp Lejeune	II MEF Operations Center Replacement	122,200	62,200
Navy	Marine Corps Air Station Cherry Point	Aircraft Maintenance Hangar (Inc)	73,970	73,970
Navy	Marine Corps Air Station Cherry Point	ATC Tower & Airfield Operations	61,340	61,340
Navy	Marine Corps Air Station Cherry Point	F-35 Training and Simulator Facility	53,230	53,230
Navy	Marine Corps Air Station Cherry Point	Flightline Utility Modernization (Inc)	51,860	51,860
Navy	Marine Corps Air Station New River	CH-53K Cargo Loading Trainer	11,320	11,320
	Pennsylvania			
Navy	Philadelphia	Machinery Control Development Center	0	66,000
	South Carolina			
Navy	Parris Island	Range Improvements & Modernization Phase 3	0	37,200
	Utah			
Navy	Hill Air Force Base	D5 Missile Motor Receipt/Storage Fac (Inc)	50,520	50,520
	Virginia			
Navy	Marine Corps Base Quantico	Wargaming Center	143,350	70,000
Navy	Naval Station Norfolk	Mariner Skills Training Center	79,100	79,100
Navy	Naval Station Norfolk	MH-60 & CMV-22B Corrisson Control and Paint Facility	0	49,000
Navy	Portsmouth Naval Shipyard	Dry Dock Flood Protection Improvements	48,930	48,930
Navy	Yorktown Naval Weapons Station	NMC Ordnance Facilities Recapitalization Phase 1	0	59,000
	Washington			
Navy	Bremerton	Dry Dock 4 & Pier 3 Modernization	51,010	51,010
Navy	Keyport	Undersea Vehicle Maintenance Facility	25,050	25,050
Navy	Naval Base Kitsap	Seawolf Service Pier Cost-to-Complete	0	48,000
	Worldwide Unspecified			
Navy	Unspecified Worldwide Locations	Planning and Design	167,715	178,715
Navy	Unspecified Worldwide Locations	Unspecified Minor Construction	81,237	81,237
	Alaska			
AF	Eielson Air Force Base	F-35 AME Storage Facility	8,600	8,600
	Arkansas			
AF	Little Rock Air Force Base	C-130H/J Fuselage Trainer Facility	47,000	47,000
AF	Little Rock Air Force Base	Dormitory Cost-to-Complete	0	7,000
	Australia			
AF	Tindal	APR-RAAF Tindal/Earth Covered Magazine	11,600	11,600
AF	Tindal	APR-RAAF Tindal/Bulk Storage Tanks	59,000	59,000
	California			
AF	Travis Air Force Base	KC-46A Alter B181/B185/B187 Squad Ops/AMU	6,600	6,600
AF	Travis Air Force Base	KC-46A Regional Maintenance Training Facility	19,500	19,500
AF	Travis Air Force Base	MMHAS Allied Support	0	17,000
	Colorado			
AF	Peterson Air Force Base	Seonorth Theater Operational Support Facility	0	54,000
AF	Schriever Air Force Base	Consolidated Space Operations Facility	148,000	74,000
AF	United States Air Force Academy	Consolidate Cadet Prep School Dormitory	0	49,000
	Cyprus			
AF	Royal Air Force Akrotiri	New Dormitory for 1 ERS	27,000	27,000
	Georgia			
AF	Moody Air Force Base	41 RQS HH-60W Apron	0	12,500
	Guam			
AF	Joint Region Marianas	Munitions Storage Igloos III	65,000	65,000
	Illinois			
AF	Scott Air Force Base	Joint Operations & Mission Planning Center	100,000	100,000
	Japan			
AF	Yokota Air Base	Fuel Receipt & Distribution Upgrade	12,400	12,400
	Jordan			
AF	Azraq	Air Traffic Control Tower	24,000	0
AF	Azraq	Munitions Storage Area	42,000	0
	Mariana Islands			
AF	Tinian	Airfield Development Phase 1	109,000	25,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
AF	Timian	Fuel Tanks W/ Pipeline/Hydrant System	109,000	25,000
AF	Timian	Parking Apron	98,000	25,000
	Maryland			
AF	Joint Base Andrews	Presidential Aircraft Recap Complex Inc 3	86,000	86,000
	Massachusetts			
AF	Hanscom Air Force Base	MIT-Lincoln Lab (West Lab CSL/MIF) Inc 2	135,000	100,000
	Missouri			
AF	Whiteman Air Force Base	Consolidated Vehicle Ops and MX Facility	0	27,000
	Montana			
AF	Malmstrom Air Force Base	Weapons Storage and Maintenance Facility	235,000	117,500
	Nevada			
AF	Nellis Air Force Base	365th ISR Group Facility	57,000	57,000
AF	Nellis Air Force Base	F-35 Munitions Maintenance Facilities Cost-to-Complete.	0	3,100
AF	Nellis Air Force Base	F-35A Munitions Assembly Conveyor Facility	8,200	8,200
	New Mexico			
AF	Holloman Air Force Base	NC3 Support Wrm Storage/Shipping Facility	0	20,000
AF	Kirtland Air Force Base	Combat Rescue Helicopter Simulator (CRH) ADAL.	15,500	15,500
AF	Kirtland Air Force Base	UH-1 Replacement Facility	22,400	22,400
	North Dakota			
AF	Minot Air Force Base	Helo/TRFOps/AMUfacility	5,500	5,500
	Ohio			
AF	Wright-Patterson Air Force Base	ADAL Intelligence Prod. Complex (NASIC) Inc 2	120,900	120,900
	Texas			
AF	Joint Base San Antonio	Aquatics Tank	69,000	69,000
AF	Joint Base San Antonio	BMT Recruit Dormitory 8	110,000	110,000
AF	Joint Base San Antonio	T-XA DAL Ground Based Trng Sys (GBTS) Sim	9,300	9,300
AF	Joint Base San Antonio	T-XXM Trng Sys Centralized Trng Fac	19,000	19,000
AF	Joint Base San Antonio-Randolph	AFPC B-Wing	0	36,000
	United Kingdom			
AF	Royal Air Force Lakenheath	F-35A PGM Facility	14,300	14,300
	Utah			
AF	Hill Air Force Base	GBSD Mission Integration Facility	108,000	40,000
AF	Hill Air Force Base	Joint Advanced Tactical Missile Storage Fac	6,500	6,500
	Washington			
AF	Fairchild Air Force Base	Consolidated TFI Base Operations	31,000	31,000
AF	Fairchild Air Force Base	SERE Pipeline Dormitory Cost-to-Complete	0	4,800
	Worldwide Unspecified			
AF	Various Worldwide Locations	Planning and Design	142,148	153,148
AF	Various Worldwide Locations	Unspecified Minor Construction	79,682	79,682
	Wyoming			
AF	F. E. Warren Air Force Base	Consolidated Helo/TRF Ops/AMU and Alert Fac ..	18,100	18,100
	California			
Def-Wide	Beale Air Force Base	Hydrant Fuel System Replacement	33,700	33,700
Def-Wide	Camp Pendleton	Ambul Care Center/Dental Clinic Replacement	17,700	17,700
	Conus Classified			
Def-Wide	Classified Location	Battalion Complex, Ph 3	82,200	82,200
	Florida			
Def-Wide	Eglin Air Force Base	SOF Combined Squadron Ops Facility	16,500	16,500
Def-Wide	Hurlburt Field	SOF AMU & Weapons Hangar	72,923	72,923
Def-Wide	Hurlburt Field	SOF Combined Squadron Operations Facility	16,513	16,513
Def-Wide	Hurlburt Field	SOF Maintenance Training Facility	18,950	18,950
Def-Wide	Naval Air Station Key West	SOF Watercraft Maintenance Facility	16,000	16,000
	Germany			
Def-Wide	Geilenkirchen Air Base	Ambulatory Care Center/Dental Clinic	30,479	30,479
	Guam			
Def-Wide	Joint Region Marianas	Xray Wharf Refueling Facility	19,200	19,200
	Hawaii			
Def-Wide	Joint Base Pearl Harbor-Hickam	SOF Undersea Operational Training Facility	67,700	67,700

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
	Japan			
Def-Wide	Yokosuka	Kinnick High School Inc 2	130,386	0
Def-Wide	Yokota Air Base	Bulk Storage Tanks PH1	116,305	20,000
Def-Wide	Yokota Air Base	Pacific East District Superintendent's Office	20,106	20,106
	Maryland			
Def-Wide	Bethesda Naval Hospital	MEDCEN Addition/Altertion Iner 3	96,900	33,000
Def-Wide	Fort Detrick	Medical Research Acquisition Building	27,846	27,846
Def-Wide	Fort Meade	NSAW Recapitalize Building #3 Inc 2	426,000	426,000
	Mississippi			
Def-Wide	Columbus Air Force Base	Fuel Facilities Replacement	16,800	16,800
	Missouri			
Def-Wide	Fort Leonard Wood	Hospital Replacement Iner 2	50,000	50,000
Def-Wide	St. Louis	Next NGA West (N2W) Complex Phase 2 Inc. 2 ...	218,800	118,800
	North Carolina			
Def-Wide	Camp Lejeune	SOF Marine Raider Regiment HQ	13,400	13,400
Def-Wide	Fort Bragg	SOF Assessment and Selection Training Complex	12,103	12,103
Def-Wide	Fort Bragg	SOF Human Platform-Force Generation Facility ..	43,000	43,000
Def-Wide	Fort Bragg	SOF Operations Support Bldg	29,000	29,000
	Oklahoma			
Def-Wide	Tulsa IAP	Fuels Storage Complex	18,900	18,900
	Rhode Island			
Def-Wide	Quonset State Airport	Fuels Storage Complex Replacement	11,600	11,600
	South Carolina			
Def-Wide	Joint Base Charleston	Medical Consolidated Storage & Distrib Center	33,300	33,300
	South Dakota			
Def-Wide	Ellsworth Air Force Base	Hydrant Fuel System Replacement	24,800	24,800
	Virginia			
Def-Wide	Defense Distribution Depot Richmond	Operations Center Phase 2	98,800	33,000
Def-Wide	Joint Expeditionary Base Little Creek—Fort Story	SOF NSWG-10 Operations Support Facility	32,600	32,600
Def-Wide	Joint Expeditionary Base Little Creek—Fort Story	SOF NSWG2 JSOTF Ops Training Facility	13,004	13,004
Def-Wide	Pentagon	Backup Generator	8,670	8,670
Def-Wide	Pentagon	Control Tower & Fire Day Station	20,132	20,132
Def-Wide	Training Center Dam Neck	SOF Demolition Training Compound Expansion ...	12,770	12,770
	Washington			
Def-Wide	Joint Base Lewis-McChord	SOF 22 STS Operations Facility	47,700	47,700
	Wisconsin			
Def-Wide	Gen Mitchell IAP	POL Facilities Replacement	25,900	25,900
	Worldwide Classified			
Def-Wide	Classified Location	Mission Support Compound	52,000	0
	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	190,000
Def-Wide	Unspecified Worldwide Locations	ERCIP Design	10,000	10,000
Def-Wide	Unspecified Worldwide Locations	Exercise Related Minor Construction	11,770	11,770
Def-Wide	Unspecified Worldwide Locations	Planning and Design	99,441	99,441
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction	60,642	60,642
Def-Wide	Various Worldwide Locations	Planning and Design	142,914	142,914
Def-Wide	Various Worldwide Locations	Unspecified Minor Construction	26,736	26,736
NATO	NATO Security Investment Program	NATO Security Investment Program	144,040	172,005
	Alabama			
Army NG	Anniston Army Depot	Enlisted Transient Barracks	0	34,000
Army NG	Foley	National Guard Readiness Center	12,000	12,000
	California			
Army NG	Camp Roberts	Automated Multipurpose Machine Gun Range	12,000	12,000
	Idaho			
Army NG	Orchard Combat Training Center	Railroad Tracks	29,000	29,000
	Maryland			
Army NG	Havre de Grace	Combined Support Maintenance Shop	12,000	12,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
Army NG	Massachusetts Camp Edwards	Automated Multipurpose Machine Gun Range	9,700	9,700
Army NG	Minnesota New Ulm	National Guard Vehicle Maintenance Shop	11,200	11,200
Army NG	Mississippi Camp Shelby	Automated Multipurpose Machine Gun Range	8,100	8,100
Army NG	Missouri Springfield	National Guard Readiness Center	12,000	12,000
Army NG	Nebraska Bellevue	National Guard Readiness Center	29,000	29,000
Army NG	New Hampshire Concord	National Guard Readiness Center	5,950	5,950
Army NG	New York Jamaica Armory	National Guard Readiness Center	0	91,000
Army NG	Pennsylvania Moon Township	Combined Support Maintenance Shop	23,000	23,000
Army NG	Vermont Jericho	General Instruction Building	0	30,000
Army NG	Washington Richland	National Guard Readiness Center	11,400	11,400
Army NG	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design	20,469	20,469
Army NG	Unspecified Worldwide Locations	Unspecified Minor Construction	15,000	15,000
Army Res	Delaware Newark	Army Reserve Center/BMA	21,000	21,000
Army Res	Wisconsin Fort McCoy	Transient Training Barracks	25,000	25,000
Army Res	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design	6,000	6,000
Army Res	Unspecified Worldwide Locations	Unspecified Minor Construction	8,928	8,928
N/MC Res	Louisiana New Orleans	Entry Control Facility Upgrades	25,260	25,260
N/MC Res	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design	4,780	4,780
N/MC Res	Unspecified Worldwide Locations	Unspecified Minor Construction	24,915	24,915
Air NG	California Moffett Air National Guard Base	Fuels/Corrosion Control Hanger and Shops	0	57,000
Air NG	Georgia Savannah/Hilton Head IAP	Consolidated Joint Air Dominance Hangar/Shops ..	24,000	24,000
Air NG	Missouri Rosecrans Memorial Airport	C-130 Flight Simulator Facility	9,500	9,500
Air NG	Puerto Rico Luis Munoz-Marin IAP	Communications Facility	12,500	0
Air NG	Luis Munoz-Marin IAP	Maintenance Hangar	37,500	0
Air NG	Wisconsin Truax Field	F-35 Simulator Facility	14,000	14,000
Air NG	Truax Field	Fighter Alert Shelters	20,000	20,000
Air NG	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction	31,471	31,471
Air NG	Various Worldwide Locations	Planning and Design	17,000	17,000
AF Res	Georgia Robins Air Force Base	Consolidated Mission Complex Phase 3	43,000	43,000
AF Res	Maryland Joint Base Andrews	AES Training Admin Facility	0	15,000
AF Res	Minnesota Minneapolis-St. Paul IAP	Aerial Port Facility	0	9,800
AF Res	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design	4,604	4,604
AF Res	Unspecified Worldwide Locations	Unspecified Minor Construction	12,146	12,146
FH Con Army	Germany Baumholder	Family Housing Improvements	29,983	29,983
FH Con Army	Korea Camp Humphreys	Family Housing New Construction Iner 4	83,167	83,167
	Pennsylvania			

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
FH Con Army	Tobyhanna Army Depot	Family Housing Replacement Construction	19,000	19,000
FH Con Army	Worldwide Unspecified Unspecified Worldwide Locations	Family Housing P & D	9,222	9,222
FH Ops Army	Unspecified Worldwide Locations	Furnishings	24,027	24,027
FH Ops Army	Unspecified Worldwide Locations	Housing Privatization Support	18,627	68,627
FH Ops Army	Unspecified Worldwide Locations	Leasing	128,938	128,938
FH Ops Army	Unspecified Worldwide Locations	Maintenance	81,065	81,065
FH Ops Army	Unspecified Worldwide Locations	Management	38,898	38,898
FH Ops Army	Unspecified Worldwide Locations	Miscellaneous	484	484
FH Ops Army	Unspecified Worldwide Locations	Services	10,156	10,156
FH Ops Army	Unspecified Worldwide Locations	Utilities	55,712	55,712
FH Con Navy	Unspecified Worldwide Locations	Construction Improvements	41,798	41,798
FH Con Navy	Unspecified Worldwide Locations	Planning & Design	3,863	3,863
FH Con Navy	Unspecified Worldwide Locations	USMC DPRI/Guam Planning and Design	2,000	2,000
FH Ops Navy	Unspecified Worldwide Locations	Furnishings	19,009	19,009
FH Ops Navy	Unspecified Worldwide Locations	Housing Privatization Support	21,975	81,575
FH Ops Navy	Unspecified Worldwide Locations	Leasing	64,126	64,126
FH Ops Navy	Unspecified Worldwide Locations	Maintenance	82,611	82,611
FH Ops Navy	Unspecified Worldwide Locations	Management	50,122	50,122
FH Ops Navy	Unspecified Worldwide Locations	Miscellaneous	151	151
FH Ops Navy	Unspecified Worldwide Locations	Services	16,647	16,647
FH Ops Navy	Unspecified Worldwide Locations	Utilities	63,229	63,229
FH Con AF	Germany Spangdahlem Air Base	Construct Deficit Military Family Housing	53,584	53,584
FH Con AF	Worldwide Unspecified Unspecified Worldwide Locations	Construction Improvements	46,638	46,638
FH Con AF	Unspecified Worldwide Locations	Planning & Design	3,409	3,409
FH Ops AF	Unspecified Worldwide Locations	Furnishings	30,283	30,283
FH Ops AF	Unspecified Worldwide Locations	Housing Privatization	22,593	53,793
FH Ops AF	Unspecified Worldwide Locations	Leasing	15,768	15,768
FH Ops AF	Unspecified Worldwide Locations	Maintenance	117,704	117,704
FH Ops AF	Unspecified Worldwide Locations	Management	56,022	56,022
FH Ops AF	Unspecified Worldwide Locations	Miscellaneous	2,144	2,144
FH Ops AF	Unspecified Worldwide Locations	Services	7,770	7,770
FH Ops AF	Unspecified Worldwide Locations	Utilities	42,732	42,732
FH Ops DW	Unspecified Worldwide Locations	Furnishings	727	727
FH Ops DW	Unspecified Worldwide Locations	Leasing	52,128	52,128
FH Ops DW	Unspecified Worldwide Locations	Maintenance	32	32
FH Ops DW	Unspecified Worldwide Locations	Utilities	4,113	4,113
FHIF	Unspecified Worldwide Locations	Administrative Expenses—FHIF	3,045	3,045
UHIF	Unspecified Worldwide Locations	Administrative Expenses—UHIF	500	500

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
BRAC	Worldwide Unspecified Locations	Base Realignment and Closure	66,111	96,111
BRAC	Unspecified Worldwide Locations	Base Realignment & Closure	158,349	218,349
BRAC	Unspecified Worldwide Locations	DoD BRAC Activities—Air Force	54,066	84,066
PYS	Prior Year Savings	Prior Year Savings	0	-45,055

1 SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2020 Request	House Agreement
Army	Guantanamo Bay, Cuba	OCO: Communications Facility	22,000	22,000
Army	Guantanamo Bay Naval Station	OCO: Detention Legal Office and Comms Ctr	11,800	11,800
Army	Guantanamo Bay Naval Station	OCO: High Value Detention Facility	88,500	0
Army	Worldwide Unspecified Locations	EDI/OCO Planning and Design	19,498	19,498
Army	Unspecified Worldwide Locations	EDI: Bulk Fuel Storage	36,000	36,000
Army	Unspecified Worldwide Locations	EDI: Information Systems Facility	6,200	6,200
Army	Unspecified Worldwide Locations	EDI: Minor Construction	5,220	5,220
Army	Unspecified Worldwide Locations	Unspecified Worldwide Construction	9,200,000	0
Army	Various Worldwide Locations	EDI: Various Worldwide Locations Europe	0	56,142
Navy	Bahrain	Electrical System Upgrade	0	53,360
Navy	Italy	Communications Station	0	77,400
Navy	Spain	EDI: In-Transit Munitions Facility	9,960	9,960
Navy	Rota	EDI: Joint Mobility Center	46,840	46,840
Navy	Rota	EDI: Small Craft Berthing Facility	12,770	12,770
Navy	Worldwide Unspecified Locations	Planning and Design	25,000	25,000
Navy	Various Worldwide Locations	EDI: Various Worldwide Locations Europe	0	56,246
AF	Iceland	EDI-Airfield Upgrades—Dangerous Cargo Pad	18,000	18,000
AF	Keflavik	EDI-Beddown Site Prep	7,000	7,000
AF	Keflavik	EDI-Expand Parking Apron	32,000	32,000
AF	Jordan	Air Traffic Control Tower	0	24,000
AF	Azraq	Munitions Storage Area	0	42,000
AF	Spain	EDI-Hot Cargo Pad	8,500	8,500
AF	Worldwide Unspecified Locations	EDI-ECAOS DABS/FEV EMEDS Storage	107,000	107,000
AF	Unspecified Worldwide Locations	EDI-Hot Cargo Pad	29,000	29,000
AF	Unspecified Worldwide Locations	EDI-Munitions Storage Area	39,000	39,000
AF	Various Worldwide Locations	EDI: Various Worldwide Locations Europe	0	56,246
AF	Various Worldwide Locations	EDI-P&D	61,438	61,438
AF	Various Worldwide Locations	EDI-UMMC	12,800	12,800
Def-Wide	Germany	EDI: Logistics Distribution Center Annex	46,000	46,000

1 **TITLE XLVII—DEPARTMENT OF**
 2 **ENERGY NATIONAL SECURITY**
 3 **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 2020 Request	House Authorized
Discretionary Summary By Appropriation		
Energy And Water Development, And Related Agencies		
Appropriation Summary:		
Energy Programs		
Nuclear Energy	137,808	137,808
Atomic Energy Defense Activities		
National nuclear security administration:		
Weapons activities	12,408,603	11,807,074
Defense nuclear nonproliferation	1,993,302	2,005,087
Naval reactors	1,648,396	1,632,142
Federal salaries and expenses	434,699	410,000
Total, National nuclear security administration	16,485,000	15,854,303
Environmental and other defense activities:		
Defense environmental cleanup	5,506,501	5,616,001
Other defense activities	1,035,339	1,035,339
Defense nuclear waste disposal	26,000	0
Total, Environmental & other defense activities	6,567,840	6,651,340
Total, Atomic Energy Defense Activities	23,052,840	22,505,643
Total, Discretionary Funding	23,190,648	22,643,451
Nuclear Energy		
Idaho sitewide safeguards and security	137,808	137,808
Total, Nuclear Energy	137,808	137,808
Weapons Activities		
Directed stockpile work		
Life extension programs and major alterations		
B61-12 Life extension program	792,611	792,611
W76-2 Modification program	10,000	0
Terminate effort		[-10,000]
W88 Alt 370	304,186	304,186
W80-4 Life extension program	898,551	898,551
W87-1 Modification Program (formerly IW1)	112,011	53,000
Unjustified growth		[-59,011]
Total, Life extension programs and major alterations	2,117,359	2,048,348
Stockpile systems		
B61 Stockpile systems	71,232	71,232
W76 Stockpile systems	89,804	89,804
W78 Stockpile systems	81,299	81,299
W80 Stockpile systems	85,811	80,204
Unjustified study requirement		[-5,607]
B83 Stockpile systems	51,543	22,421
Unjustified growth		[-29,122]
W87 Stockpile systems	98,262	98,262
W88 Stockpile systems	157,815	157,815
Total, Stockpile systems	635,766	601,037
Weapons dismantlement and disposition		
Operations and maintenance	47,500	47,500
Stockpile services		
Production support	543,964	510,000

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2020 Request	House Authorized
Unjustified program growth		[-33,964]
Research and development support	39,339	36,150
Unjustified program growth		[-3,189]
R&D certification and safety	236,235	201,840
Unjustified program growth		[-34,395]
Management, technology, and production	305,000	305,000
Total, Stockpile services	1,124,538	1,052,990
Strategic materials		
Uranium sustainment	94,146	94,146
Plutonium sustainment	712,440	471,309
Pit production beyond 30 pits per year		[-241,131]
Tritium sustainment	269,000	269,000
Lithium sustainment	28,800	28,800
Domestic uranium enrichment	140,000	140,000
Strategic materials sustainment	256,808	256,808
Total, Strategic materials	1,501,194	1,260,063
Total, Directed stockpile work	5,426,357	5,009,938
Research, development, test and evaluation (RDT&E)		
Science		
Advanced certification	57,710	57,710
Primary assessment technologies	95,169	95,169
Dynamic materials properties	133,800	133,800
Advanced radiography	32,544	32,544
Secondary assessment technologies	77,553	77,553
Academic alliances and partnerships	44,625	44,625
Enhanced Capabilities for Subcritical Experiments	145,160	145,160
Total, Science	586,561	586,561
Engineering		
Enhanced surety	46,500	39,717
Unjustified program growth		[-6,783]
Delivery Environments (formerly Weapons Systems Engineering Assessment Technology)	35,945	23,029
Unjustified program growth		[-12,916]
Nuclear survivability	53,932	53,932
Enhanced surveillance	57,747	57,747
Stockpile Responsiveness	39,830	5,000
Unjustified request		[-34,830]
Total, Engineering	233,954	179,425
Inertial confinement fusion ignition and high yield		
Ignition and Other Stockpile Programs	55,649	55,649
Diagnostics, cryogenics and experimental support	66,128	66,128
Pulsed power inertial confinement fusion	8,571	8,571
Joint program in high energy density laboratory plasmas	12,000	12,000
Facility operations and target production	338,247	338,247
High energy density R&D	0	0
National ignition facility, LLNL	0	0
Z Facility, SNL	0	0
Omega laser facility, URochester	0	0
Total, Inertial confinement fusion and high yield	480,595	480,595
Advanced simulation and computing		
Advanced simulation and computing	789,849	789,849
Construction:		
18-D-620, Exascale Computing Facility Modernization Project, LLNL	50,000	50,000
Total, Construction	50,000	50,000
Total, Advanced simulation and computing	839,849	839,849
Advanced manufacturing		
Additive manufacturing	18,500	18,500
Component manufacturing development	48,410	48,410
Process technology development	69,998	30,914
Unjustified program growth		[-39,804]
Total, Advanced manufacturing	136,908	97,824
Total, RDT&E	2,277,867	2,184,254

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2020 Request	House Authorized
Infrastructure and operations		
Operations of facilities	905,000	870,000
Unjustified program growth		[-35,000]
Safety and environmental operations	119,000	110,000
Unjustified program growth		[-9,000]
Maintenance and repair of facilities	456,000	456,000
Recapitalization:		
Infrastructure and safety	447,657	447,657
Capability based investments	135,341	109,057
Unjustified program growth		[-26,284]
Total, Recapitalization	582,998	556,714
Construction:		
19-D-670, 138kV Power Transmission System Replacement, NNSS	6,000	6,000
18-D-690, Lithium Processing Facility, Y-12 (formerly Lithium Production Capability, Y-12)	32,000	39,000
Program increase		[7,000]
18-D-650, Tritium Finishing Facility, SRS	27,000	27,000
17-D-640, U1a Complex Enhancements Project, NNSS	35,000	35,000
15-D-612, Emergency Operations Center, LLNL	5,000	5,000
15-D-611, Emergency Operations Center, SNL	4,000	4,000
15-D-301, HE Science & Engineering Facility, PX	123,000	123,000
06-D-141 Uranium processing facility Y-12, Oak Ridge, TN	745,000	745,000
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	168,444	168,444
Total, Construction	1,145,444	1,152,444
Total, Infrastructure and operations	3,208,442	3,145,158
Secure transportation asset		
Operations and equipment	209,502	209,502
Program direction	107,660	107,660
Total, Secure transportation asset	317,162	317,162
Defense nuclear security		
Operations and maintenance	778,213	750,000
Excess to need		[-28,213]
Total, Defense nuclear security	778,213	750,000
Information technology and cybersecurity	309,362	309,362
Legacy contractor pensions	91,200	91,200
Total, Weapons Activities	12,408,603	11,807,074
Defense Nuclear Nonproliferation		
Defense Nuclear Nonproliferation Programs		
Global material security		
International nuclear security	48,839	48,839
Domestic radiological security	90,513	90,513
International radiological security	60,827	80,827
Secure additional radiologic materials		[20,000]
Nuclear smuggling detection and deterrence	142,171	142,171
Total, Global material security	342,350	362,350
Material management and minimization		
HEU reactor conversion	114,000	114,000
Nuclear material removal	32,925	32,925
Material disposition	186,608	186,608
Total, Material management & minimization	333,533	333,533
Nonproliferation and arms control	137,267	137,267
Defense nuclear nonproliferation R&D	495,357	525,357
Proliferation detection research		[15,000]
Additional verification and detection effort		[15,000]
Nonproliferation Construction:		
18-D-150 Surplus Plutonium Disposition Project	79,000	79,000
99-D-143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS	220,000	213,500
Program decrease		[-6,500]
Total, Nonproliferation construction	299,000	292,500

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2020 Request	House Authorized
Total, Defense Nuclear Nonproliferation Programs	1,607,507	1,651,007
Legacy contractor pensions	13,700	13,700
Nuclear counterterrorism and incident response program	372,095	340,380
Unjustified cost growth		[-31,715]
Total, Defense Nuclear Nonproliferation	1,993,302	2,005,087
Naval Reactors		
Naval reactors development	531,205	514,951
Unjustified growth		[-16,254]
Columbia-Class reactor systems development	75,500	75,500
S8G Prototype refueling	155,000	155,000
Naval reactors operations and infrastructure	553,591	553,591
Construction:		
20-D-931, KL Fuel Development Laboratory	23,700	23,700
19-D-930, KS Overhead Piping	20,900	20,900
14-D-901 Spent fuel handling recapitalization project, NRF	238,000	238,000
Total, Construction	282,600	282,600
Program direction	50,500	50,500
Total, Naval Reactors	1,648,396	1,632,142
Federal Salaries And Expenses		
Program direction	434,699	410,000
Unjustified growth		[-24,699]
Total, Office Of The Administrator	434,699	410,000
Defense Environmental Cleanup		
Closure sites:		
Closure sites administration	4,987	4,987
Richland:		
River corridor and other cleanup operations	139,750	139,750
Central plateau remediation	472,949	522,949
Program increase		[50,000]
Richland community and regulatory support	5,121	5,121
Construction:		
18-D-404 WESF Modifications and Capsule Storage	11,000	11,000
Total, Construction	11,000	11,000
Total, Hanford site	628,820	678,820
Office of River Protection:		
Waste Treatment Immobilization Plant Commissioning	15,000	15,000
Rad liquid tank waste stabilization and disposition	677,460	705,460
Program increase		[28,000]
Construction:		
18-D-16 Waste treatment and immobilization plant—LBL/Direct feed LAW	640,000	640,000
01-D-16 D, High-level waste facility	30,000	30,000
01-D-16 E—Pretreatment Facility	20,000	20,000
Total, Construction	690,000	690,000
ORP Low-level waste offsite disposal	10,000	10,000
Total, Office of River Protection	1,392,460	1,420,460
Idaho National Laboratory:		
Idaho cleanup and waste disposition	331,354	331,354
Idaho community and regulatory support	3,500	3,500
Total, Idaho National Laboratory	334,854	334,854
NNSA sites and Nevada off-sites		
Lawrence Livermore National Laboratory	1,727	1,727
LLNL Excess facilities R&D	128,000	128,000
Nuclear facility D & D		
Separations Process Research Unit	15,300	15,300
Nevada	60,737	60,737
Sandia National Laboratories	2,652	2,652

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2020 Request	House Authorized
Los Alamos National Laboratory	195,462	195,462
Total, NNSA sites and Nevada off-sites	403,878	403,878
Oak Ridge Reservation:		
OR Nuclear facility D & D	93,693	93,693
Total, OR Nuclear facility D & D	93,693	93,693
U233 Disposition Program	45,000	45,000
OR cleanup and waste disposition		
OR cleanup and disposition	82,000	82,000
Construction:		
17-D-401 On-site waste disposal facility	15,269	15,269
14-D-403 Outfall 200 Mercury Treatment Facility	49,000	49,000
Total, Construction	64,269	64,269
Total, OR cleanup and waste disposition	146,269	146,269
OR community & regulatory support	4,819	4,819
OR technology development and deployment	3,000	3,000
OR Excess facilities D&D		0
Total, Oak Ridge Reservation	292,781	292,781
Savannah River Sites:		
Savannah River risk management operations		
Savannah River risk management operations	490,613	515,613
Program increase		[25,000]
Construction:		
18-D-402, Emergency Operations Center	6,792	6,792
Total, risk management operations	497,405	522,405
SR community and regulatory support	4,749	11,249
Program increase		[6,500]
Radioactive liquid tank waste stabilization and disposition	797,706	797,706
Construction:		
20-D-402 Advanced Manufacturing Collaborative Facility (AMC)	50,000	50,000
20-D-401 Saltstone Disposal Unit #10, 11, 12	500	500
18-D-402 Saltstone Disposal Unit #8/9	51,750	51,750
17-D-402 Saltstone Disposal Unit #7	40,034	40,034
05-D-405 Salt waste processing facility, Savannah River Site	20,988	20,988
Total, Construction	163,272	163,272
Total, Savannah River site	1,463,132	1,494,632
Waste Isolation Pilot Plant		
Waste Isolation Pilot Plant	299,088	299,088
Construction:		
15-D-411 Safety significant confinement ventilation system, WIPP	58,054	58,054
15-D-412 Exhaust shaft, WIPP	34,500	34,500
Total, Construction	92,554	92,554
Total, Waste Isolation Pilot Plant	391,642	391,642
Program direction	278,908	278,908
Program support	12,979	12,979
Safeguards and Security		
Safeguards and Security	317,622	317,622
Total, Safeguards and Security	317,622	317,622
Use of prior year balances	-15,562	-15,562
Total, Defense Environmental Cleanup	5,506,501	5,616,001
Other Defense Activities		
Environment, health, safety and security		
Environment, health, safety and security	139,628	139,628
Program direction	72,881	72,881
Total, Environment, Health, safety and security	212,509	212,509
Independent enterprise assessments		
Independent enterprise assessments	24,068	24,068
Program direction	57,211	57,211
Total, Independent enterprise assessments	81,279	81,279

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2020 Request	House Authorized
Specialized security activities	254,578	254,578
Office of Legacy Management		
Legacy management	283,767	283,767
Program direction	19,262	19,262
Total, Office of Legacy Management	303,029	303,029
Defense related administrative support		
Chief financial officer	54,538	54,538
Chief information officer	124,554	124,554
Total, Defense related administrative support	179,092	179,092
Office of hearings and appeals	4,852	4,852
Subtotal, Other defense activities	1,035,339	1,035,339
Total, Other Defense Activities	1,035,339	1,035,339
Defense Nuclear Waste Disposal		
Yucca mountain and interim storage	26,000	0
Program cut	0	[-26,000]
Total, Defense Nuclear Waste Disposal	26,000	0

Amend the title so as to read: “A bill to authorize appropriations for fiscal year 2020 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.”.

