JULY 7, 2020

RULES COMMITTEE PRINT 116–57

TEXT OF H.R. 6395, WILLIAM M. (MAC) THORN-BERRY NATIONAL DEFENSE AUTHORIZATION

ACT FOR FISCAL YEAR 2021

[Showing the text of H.R. 6395, as ordered reported by the Committee on Armed Services]

SECTION 1. SHORT TITLE.

(a) SHORT TITLE.—This Act may be cited as the “William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021”.


SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF CONTENTS.

(a) DIVISIONS.—This Act is organized into four divisions as follows:

(1) Division A—Department of Defense Authorizations.

(2) Division B—Military Construction Authorizations.
(3) Division C—Department of Energy National Security Authorizations and Other Authorizations.

(4) Division D—Funding Tables.


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

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Sec. 2. Organization of Act into divisions; table of contents.
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SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.

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

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization Of Appropriations

SEC. 101. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2021 for procurement for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4101.
Subtitle B—Navy Programs

SEC. 111. INDEPENDENT COST ESTIMATE OF FFG(X) FRIGATE PROGRAM.

In accordance with section 2334(b) of title 10, United States Code, the Secretary of Defense shall ensure that an independent cost estimate of the full life-cycle cost of the FFG(X) frigate program of the Navy has been completed before the conclusion of milestone B of such program.

Subtitle C—Air Force Programs

SEC. 121. MODIFICATION OF FORCE STRUCTURE OBJECTIVES FOR B–1 BOMBER AIRCRAFT.

(a) Modification of Minimum Inventory Requirement.—Section 9062(h)(2) of title 10, United States Code, is amended by striking “36” and inserting “24”.

(b) Temporary Authority to Retire Aircraft.—

(1) In general.—Notwithstanding section 9062(h)(1) of title 10, United States Code, the Secretary of the Air Force may retire up to seventeen B–1 aircraft.

(2) Termination of authority.—The authority of the Secretary of the Air Force to retire
aircraft under paragraph (1) shall terminate on January 1, 2023.

(c) Preservation of Certain Aircraft and Maintenance Personnel.—Until the date on which the Secretary of the Air Force determines that the B–21 aircraft has attained initial operating capability, the Secretary—

(1) shall preserve each B–1 aircraft that is retired under subsection (b), in a manner that ensures the components and parts of such aircraft are maintained in reclaimable condition that is consistent with type 2000 recallable storage, or better; and

(2) may not reduce the number of billets assigned to maintenance of B–1 aircraft in effect on January 1, 2020.

SEC. 122. EXTENSION OF LIMITATION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF RC–135 AIRCRAFT.

Section 148(a) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1243) is amended by striking “for fiscal year 2020” and inserting “for any of fiscal years 2020 through 2025”.
SEC. 123. MODIFICATION OF LIMITATION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF E–8 JSTARS AIRCRAFT.

Section 147(a) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1669) is amended by striking “certifies to the congressional defense committees that Increment 2 of the Advanced Battle-Management System of the Air Force has declared initial operational capability as defined in the Capability Development Document for the System” and inserting “certifies to the congressional defense committees that—

“(1) the Secretary has identified a replacement capability and capacity for the current fleet of 16 E–8 Joint Surveillance Target Attack Radar System aircraft to meet global combatant command requirements; and

“(2) such replacement delivers capabilities that are comparable or superior to the capabilities delivered by such aircraft.”.

SEC. 124. LIMITATION ON AVAILABILITY OF FUNDS FOR THE ADVANCED BATTLE MANAGEMENT SYSTEM PENDING CERTIFICATION RELATING TO RQ–4 AIRCRAFT.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fis-
cal year 2021 for the Department of the Air Force for
the Advanced Battle Management System, not more than
50 percent may be obligated or expended until—

(1) the Secretary of the Air Force certifies, in
writing, to the Committees on Armed Services of the
Senate and the House of Representatives that the
Secretary will not retire, or prepare to retire, any
RQ–4 aircraft during fiscal year 2021;

(2)(A) the Under Secretary of Defense for Ac-
quisation and Sustainment certifies, in writing, to
such Committees that, with respect to the RQ–4 air-
craft, the validated operating and sustainment costs
of any capability developed to replace the RQ–4 air-
craft are less than the validated operating and
sustainment costs for the RQ–4 aircraft on a com-
parable flight-hour cost basis; and

(B) the Chairman of the Joint Requirements
Oversight Council certifies, in writing, to such Com-
mittees that any such capability to be fielded at the
same time or before the retirement of the RQ–4 air-
craft would result in equal or greater capability
available to the commanders of the combatant com-
mands and would not result in less capacity avail-
able to the commanders of the combatant com-
mands; or
(3) the Secretary of Defense—

(A) certifies, in writing, to such Committees that the Secretary has determined, after analyzing sufficient and relevant data, that a capability superior to the RQ–4 aircraft is worth increased operating and sustainment costs; and

(B) provides to such Committees analysis supporting such determination.

(b) Consultation Requirement.—Before issuing a certification under subsection (a), the official responsible for issuing such certification shall consult with the combatant commanders on the matters covered by the certification.

(c) Advanced Battle Management System Defined.—In this section, the term “Advanced Battle Management System” has the meaning given that term in section 236(e) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1281).

SEC. 125. INVENTORY REQUIREMENTS FOR CERTAIN AIR REFUELING TANKER AIRCRAFT.

(a) Minimum Inventory Requirements for KC–10A Aircraft.—

(1) Fiscal Year 2021.—During the period beginning on the date of the enactment of this Act and
ending on October 1, 2021, the Secretary of the Air Force shall maintain a minimum of 50 KC–10A aircraft designated as primary mission aircraft inventory.

(2) Fiscal Year 2022.—During the period beginning on October 1, 2021, and ending on October 1, 2022, the Secretary of the Air Force shall maintain a minimum of 38 KC–10A aircraft designated as primary mission aircraft inventory.

(3) Fiscal Year 2023.—During the period beginning on October 1, 2022, and ending on October 1, 2023, the Secretary of the Air Force shall maintain a minimum of 26 KC–10A aircraft designated as primary mission aircraft inventory.

(b) Prohibition on Retirement of KC–135 Aircraft.—

(1) Prohibition.—Except as provided in paragraph (2), during the period beginning on the date of the enactment of this Act and ending on October 1, 2023, the Secretary of the Air Force may not retire, or prepare to retire, any KC–135 aircraft.

(2) Exception.—The prohibition in paragraph (1) shall not apply to individual KC–135 aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable
because of mishaps, other damage, or being unecono-

nomical to repair.

(c) KC–135 AIRCRAFT FLEET MANAGEMENT.—

None of the funds authorized to be appropriated by this
Act or otherwise made available for fiscal year 2021 for
the Air Force may be obligated or expended to reduce the
number of KC–135 aircraft designated as primary mission
aircraft inventory.

(d) PRIMARY MISSION AIRCRAFT INVENTORY DE-

FINED.—In this section, the term “primary mission air-
craft inventory” has the meaning given that term in sec-
tion 9062(i)(2)(B) of title 10, United States Code.

SEC. 126. LIMITATION ON PRODUCTION OF KC–46A AIR-

CRAFT.

(a) LIMITATION.—None of the funds authorized to
be appropriated by this Act or otherwise made available
for fiscal year 2021 for the Air Force may be used to ap-
prove the full-rate production of KC–46A aircraft or enter
into a contract for the production of more than twelve
KC–46A aircraft until the date on which the Secretary
of the Air Force certifies to the congressional defense com-
mittees that all category-one deficiencies in the systems
of the aircraft have been corrected, including the defi-
ciencies affecting the aircraft’s remote visioning system,
(b) REPORT.—Not later than February 1, 2021, the Secretary of the Air Force shall submit to the congressional defense committees a report on the KC–46A aircraft. The report shall include—

1. a schedule for the correction of each category-one deficiency described in subsection (a);
2. a plan to engage an independent test organization to verify the effectiveness of any proposed solutions to such category-one deficiencies; and
3. an acquisition strategy for the aircraft that—
   A. identifies principal acquisition milestones; and
   B. will ensure that there is sufficient competition for the procurement of a nondevelopmental tanker aircraft at the conclusion of the KC–46A production contract in effect as of the date of the enactment of this Act.

(c) CATEGORY-ONE DEFICIENCY DEFINED.—The term “category-one deficiency” means a deficiency that may cause—

1. death or severe injury to personnel; or
(2) major loss or damage to critical aircraft ca-
    pabilities.

SEC. 127. ASSESSMENT AND CERTIFICATION RELATING TO
    OC–135 AIRCRAFT.

(a) LIMITATION.—Except as provided in subsection
    (b), none of the funds authorized to be appropriated by
    this Act or otherwise made available for fiscal year 2021
    for the Air Force may be obligated or expended to retire,
    divest, realign, or place in storage or on backup aircraft
    inventory status, or prepare to retire, divest, realign, or
    place in storage or backup inventory status, any OC–135
    aircraft until a period of 90 days has elapsed following
    the date on which the Secretary of the Air Force submits
    to the congressional defense committees—

    (1) the report required under subsection (c);

    and

    (2) the certification required under subsection
        (d).

(b) EXCEPTION.—The limitation in subsection (a)
    shall not apply to—

    (1) individual OC–135 aircraft that the Sec-
        retary of the Air Force determines, on a case-by-
        case basis, to be no longer mission capable because
        of mishaps or other damage; or

    (2) funds obligated or expended—
(A) for the preparation of the report re-
quired under subsection (c); or

(B) for the Air Force to assess options to
repurpose the OC–135 aircraft to support other
mission requirements.

(c) REPORT REQUIRED.—Not later than 180 days
after the date of the enactment of this Act, the Secretary
of the Air Force shall submit to the congressional defense
committees a report that includes the following:

(1) Identification of any unclassified aerial im-
agery requirements that the Air Force or Air Na-
tional Guard can meet using the OC–135 aircraft, a
version of the aircraft that is expected to replace the
OC–135, or similar aerial imagery collection and
processing capabilities.

(2) An assessment of the extent to which it is
more appropriate for the Air Force or the Air Na-
tional Guard to fulfill such requirements.

(3) A comparison of the costs and effectiveness
of alternative means of meeting unclassified aerial
imagery requirements.

(4) An assessment of the utility and cost dif-
ferential of performing international treaty moni-
toring missions such as Olive Harvest with the OC–
135 aircraft, a version of the aircraft that is ex-
pected to replace the OC–135, or similar aerial imagery collection and processing capabilities.

(d) Certification Required.—Together with the report required under subsection (e), the Secretary of the Air Force shall certify to the congressional defense committees—

(1) whether there are unclassified aerial imagery requirements that the Air Force can meet with the OC–135 aircraft or a version of the aircraft that is expected to replace the OC–135; and

(2) whether the Secretary has identified methods of meeting such requirements that are more effective and more efficient than meeting such requirements through the use of the OC–135 aircraft or a version of the aircraft that is expected to replace the OC–135.

(e) Unclassified Aerial Imagery Requirements Defined.—In this section, the term “unclassified aerial imagery requirements” means requirements for the Air Force to provide responsive unclassified aerial imagery support to military forces, domestic civil authorities, other departments and agencies of the Federal Government, and foreign partners of the United States, including any requirements to provide unclassified aerial imagery in support of overseas contingency operations, humanitarian as-
sistance and disaster relief missions, defense support to
domestic civil authorities, and international treaty moni-
toring missions.

SEC. 128. MODERNIZATION PLAN FOR AIRBORNE INTEL-
LIGENCE, SURVEILLANCE, AND RECONNAIS-
SANCE.

(a) MODERNIZATION PLAN.—

(1) IN GENERAL.—The Secretary of the Air
Force shall develop a comprehensive plan for the
modernization of airborne intelligence, surveillance,
and reconnaissance, which shall—

(A) ensure the alignment between require-
ments, both current and future, and Air Force
budget submissions to meet such requirements;
and

(B) inform the preparation of future de-
fense program and budget requests by the Sec-
retary, and the consideration of such requests
by Congress.

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

(A) An assessment of all airborne intel-
ligence, surveillance, and reconnaissance mis-
sions, both current missions and those missions
necessary to support the national defense strategy.

(B) An analysis of platforms, capabilities, and capacities necessary to fulfill such current and future missions.

(C) The anticipated life-cycle budget associated with each platform, capability, and capacity requirement for both current and future requirements.

(D) An analysis showing operational, budget, and schedule trade-offs between sustainment of currently fielded capabilities, modernization of currently fielded capabilities, and development and production of new capabilities.

(b) REPORT TO CONGRESS.—

(1) IN GENERAL.—Not later than March 30, 2021, the Secretary of the Air Force shall submit to the congressional defense committees a report that includes—

(A) the comprehensive modernization plan required by subsection (a); and

(B) a strategy for carrying out such plan through fiscal year 2030.
(2) FORM.—The report required under paragraph (1) shall be submitted in unclassified form but may include a classified annex.

SEC. 129. MINIMUM BOMBER AIRCRAFT FORCE LEVEL.

(a) IN GENERAL.—Not later than February 1, 2021, the Secretary of the Air Force shall submit to the congressional defense committees a report with recommendations for the bomber aircraft force structure that enables the Air Force to meet the requirements of its long-range strike mission under the National Defense Strategy.

(b) ELEMENTS.—The report required under subsection (a) shall include each of the following elements:

(1) The bomber force structure necessary to meet the requirements of the Air Force’s long-range strike mission under the National Defense Strategy, including—

(A) the total minimum number of bomber aircraft; and

(B) the minimum number of primary mission aircraft.

(2) The penetrating bomber force structure necessary to meet the requirements of the Air Force’s long-range strike mission in contested or denied environments under the National Defense Strategy, to include—
(A) the total minimum number of penetrating bomber aircraft; and

(B) the minimum number of primary mission penetrating bomber aircraft.

(3) A roadmap outlining how the Air Force plans to reach the force structure identified under paragraphs (1) and (2), including an established goal date for achieving the minimum number of bomber aircraft.

(c) FORM.—The report submitted under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(d) PUBLICATION.—The Secretary shall make available to the public the unclassified form of the report submitted under subsection (a).

(e) BOMBER AIRCRAFT.—In this section, the term "bomber aircraft" includes penetrating bombers in addition to B–52H aircraft.

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

SEC. 131. DOCUMENTATION RELATING TO THE F–35 AIRCRAFT PROGRAM.

(a) LIMITATION.—The Secretary of Defense may not grant Milestone C approval for the F–35 aircraft program pursuant to section 2366c of title 10, United States Code,
or enter into a contract for the full-rate production of F–35 aircraft, until a period of 30 days has elapsed following the date on which the Secretary has submitted to the congressional defense committees all of the documentation required under subsection (b).

(b) DOCUMENTATION REQUIRED.—The Secretary of Defense shall submit to the congressional defense committees the following documentation with respect to the F–35 aircraft program:

(1) A certification from the Under Secretary of Defense for Acquisition and Sustainment that all alternative supply contractors for parts, required for the airframe and propulsion prime contractors of the F–35 program as a result of the removal of the Republic of Turkey from the program—

(A) have been identified and all related undefinitized contract actions have been definitized (as described in section 7401 of part 217 of the Defense Federal Acquisition Regulation Supplement);

(B) the parts produced by each such contractor have been qualified and certified as meeting applicable technical design and use specifications; and
(C) each such contractor has reached the required rate of production to meet supply requirements for parts under the F–35 aircraft program.

(2) A cost analysis, prepared by the joint program office for the F–35 aircraft program, that assesses and defines —

(A) how the full integration of Block 4 and Technical Refresh 3 capabilities for each lot of Block 4 production aircraft beginning after lot 14 will affect the average procurement unit cost of United States variants of the F–35A, F–35B, and F–35C aircraft; and

(B) how the establishment of alternate sources of production and sustainment supply and repair parts due to the removal of the Republic of Turkey from the F–35 program will affect such unit cost.


(4) An independent cost estimate, prepared by Director of Cost Assessment and Program Evaluation, that defines, for each phase of the F–35 aircraft program, the cost to develop, procure, inte-
grate, and retrofit F–35 aircraft with all Block 4 capability requirements that are specified in the most recent Block 4 capabilities development document.

(5) A plan to correct or mitigate any deficiency in the aircraft, identified as of the date of enactment of this Act—

(A) that may cause death, severe injury or occupational illness, or major loss or damage to equipment or a system, and for which there is no identified workaround (commonly known as a “category 1A deficiency”); or

(B) that critically restricts combat readiness capabilities or results in the inability to attain adequate performance to accomplish mission requirements (commonly known as a “category 1B deficiency”).

(6) A software and hardware capability, upgrade, and aircraft modification plan that defines the cost and schedule for retrofitting F–35 aircraft that currently have Technical Refresh 2 capabilities installed to ensure compatibility with Block 4 and Technical Refresh 3 aircraft capabilities.

(7) The following reports for the F–35 aircraft program, as prepared by the Director of Operational Test and Evaluation:
(A) A report on the results of the realistic survivability testing of the aircraft, as described in section 2366(d) of title 10, United States Code.

(B) A report on the results of the initial operational test and evaluation conducted for program, as described in section 2399(b)(2) of such title.

(8) A mitigation strategy and implementation plan to address each critical deficiency in the F–35 autonomic logistics information system that has been identified as of the date of enactment of this Act.

(9) A certification that the F–35A meets the required mission reliability performance using an average sortie duration of 2 and one-half hours.

(10) A certification that the Secretary has developed and validated a fully integrated and realistic schedule for the development, production and integration of Block 4 Technical Refresh 3 capabilities, that includes a strategy for resolving all software technical debt that has accumulated within the F–35 operational flight program source code during development, production, and integration of Technical Refresh 1 and Technical Refresh 2 capabilities.
(11)(A) A complete list of hardware modifications that will be required to integrate Block 4 capabilities into lot 16 and lot 17 production aircraft.

(B) An estimate of the costs of any engineering changes required as a result of such modifications.

(C) A comparison of those engineering changes and costs with the engineering changes and costs for lot 15 production aircraft.

SEC. 132. NOTIFICATION ON SOFTWARE REGRESSION TESTING FOR F–35 AIRCRAFT.

(a) Notification Required.—The Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Director of Operational Test and Evaluation, shall notify the congressional defense committees, in writing, not later than 30 days after the date on which mission systems production software for the F–35 aircraft is released to units operating such aircraft under the F–35 continuous capability development and delivery program.

(b) Elements.—The notification required under subsection (a) shall include, with respect to the mission systems production software for the F–35 aircraft, the following:

(1) An explanation of the types and methods of regression testing that were completed for the pro-
duction release of the software to ensure compatibility and proper functionality with—

(A) the fire control radar system of each variant of the F–35 aircraft; and

(B) all weapons certified for carriage and employment on each variant of the F–35 aircraft.

(2) Identification of any entities that conducted regression testing of the software, including any development facilities of the Federal Government or contractors that conducted such testing.

(3) A list of deficiencies identified during regression testing of the software or by operational units after fielding of the software, and an explanation of—

(A) any software modifications, including quick-reaction capability, that were completed to resolve or mitigate the deficiencies;

(B) with respect to any deficiencies that were not resolved or mitigated, whether the deficiencies will be corrected in later releases of the software; and

(C) any effects resulting from such deficiencies, including—
(i) any effects on the cost and schedule for delivery of the software; and

(ii) in cases in which the deficiencies resulted in additional, unplanned, software releases, any effects on the ongoing testing of software capability releases.

SEC. 133. NOTIFICATION ON EFFORTS TO REPLACE INOPERABLE EJECTION SEAT AIRCRAFT LOCATOR BEACONS.

(a) Notification.—Not later than 180 days after the date of the enactment of this Act and on a semi-annual basis thereafter until the date specified in subsection (b), the Under Secretary of Defense for Acquisition and Sustainment shall submit to the congressional defense committees a written notification that describes, with respect to the period covered by the notification—

(1) the efforts of the service acquisition executives of the Department of the Air Force and the Department of the Navy to replace ejection seat aircraft locator beacons that are—

(A) installed on covered aircraft; and

(B) inoperable in water or in wet conditions; and

(2) the funding allocated for such efforts.
(b) DATE SPECIFIED.—The date specified in this subsection is the earlier of—

(1) the date on which the Under Secretary of Defense for Acquisition and Sustainment determines that all ejection seat aircraft locator beacons installed on covered aircraft are operable in water and wet conditions; or

(2) the date that is five years after the date of the enactment of this Act.

c) DEFINITIONS.—In this section:

(1) The term “covered aircraft” means aircraft of the Air Force, the Navy, and the Marine Corps that are equipped with ejection seats.

United States Special Operations Command may be obligated or expended until the date on which—

(1) the Secretary of Defense certifies to the congressional defense committees that—

(A) the Secretary has completed a requirements review of the Armed Overwatch Program; and

(B) the Secretary has conducted a review of the roles and responsibilities of the United States Air Force and the United States Special Operations Command with respect to close air support and armed intelligence, surveillance, and reconnaissance and, as a result of such review, the Secretary has identified the Armed Overwatch Program as a special operations forces-peculiar requirement; and

(2) the Commander of United States Special Operations Command submits to the congressional defense committees—

(A) certification that the Commander or Deputy Commander has approved the documentation of the Special Operations Command Requirements Evaluation Board; and

(B) a requirements plan for the Armed Overwatch program that includes—
(i) an analysis of alternatives;

(ii) a procurement plan over the period covered by the most recent future-years defense program submitted under section 221 of title 10, United States Code;

(iii) a sustainment plan with projected costs;

(iv) a phase out plan of existing armed intelligence, surveillance, and reconnaissance platforms;

(v) a manpower and training analysis, and;

(vi) doctrinal considerations for employment; and

(C) a roadmap analyzing whether the near-term to mid-term multi-mission responsibilities of the Armed Overwatch Program are consistent with the intelligence, surveillance, and reconnaissance requirements of the various special operations forces units and missions, and the geographic combatant commands.
TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

SEC. 201. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4201.

Subtitle B—Program Requirements, Restrictions, and Limitations

SEC. 211. MODIFICATION OF SCIENCE, MATHEMATICS, AND RESEARCH FOR TRANSFORMATION (SMART) DEFENSE EDUCATION PROGRAM.

(a) Pilot Subprogram.—Section 2192a of title 10, United States Code, is amended—

(1) by redesignating subsections (b) through (h) as subsections (e) through (i);

(2) by inserting after subsection (a) the following new subsection:

“(b) REQUIREMENT FOR PILOT SUBPROGRAM.—

“(1) IN GENERAL.—As a subprogram of the program under subsection (a), the Secretary of De—
fense shall carry out a pilot program to be known
as the ‘National Security Pipeline Pilot Program’
(referred to in this section as the ‘Pilot Program’)
under which the Secretary shall seek to enter into
partnerships with minority institutions to diversify
the participants in the program under subsection
(a).

“(2) ELEMENTS.—Under the Pilot Program,
the Secretary of Defense shall—

“(A) provide an appropriate amount of fi-
nancial assistance under subsection (c) to an in-
dividual who is pursuing an associate’s degree,
dergraduate degree, or advanced degree at a
minority institution;

“(B) provide such financial assistance to
recipients in conjunction with summer intern-
ship opportunities or other meaningful tem-
porary appointments within the Department;
and

“(C) periodically evaluate the success of
recruiting individuals for scholarships under
this subsection and on hiring and retaining
those individuals in the public sector workforce.

“(3) REPORTS.—
“(A) INITIAL REPORT.—Not later than December 31, 2022, the Secretary of Defense shall submit to the congressional defense committees a report on the establishment of the Pilot Program. At a minimum, the report shall identify the number of students participating in the pilot program as of the date of the report, the fields of study pursued by such students, and the minority institutions at which such students are enrolled.

“(B) FINAL REPORT.—Not later than September 30, 2024, the Secretary of Defense shall submit to the congressional defense committees a report that evaluates the success of the pilot program in recruiting individuals for scholarships under this section and hiring and retaining those individuals in the public sector workforce.

“(4) TERMINATION.—The Pilot Program shall terminate on December 31, 2026.”;

(3) in subsection (c)(1), as so redesignated—

(A) in subparagraph (A), by striking “subsection (g)” and inserting “subsection (h)”; and

(B) in subparagraph (C), by striking “subsection (e)” and inserting “subsection (d)”;

(4) in subsection (d), as so redesignated—

(A) by redesignating paragraph (3) as paragraph (4); and

(B) by inserting after paragraph (2) the following new paragraph:

“(3) Pursuant to regulations prescribed by the Secretary of Defense for such purpose, a scholarship recipient who is not serving in the Armed Forces at the time the scholarship is received may fulfill the condition described in paragraph (1) by serving on active duty in the Armed Forces.”; and

(5) by amending subsection (i), as so redesignated, to read as follows:

“(i) DEFINITIONS.—In this section:

“(1) The term ‘institution of higher education’ has the meaning given such term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

“(2) The term ‘minority institution’ means an institution of higher education at which not less than 50 percent of the total student enrollment consists of students from ethnic groups that are underrepresented in the fields of science and engineering.”.
(b) ADDITIONAL MODIFICATIONS.—Section 2192a of title 10, United States Code, as amended by subsection (a), is further amended—

(1) in subsection (d), by adding at the end the following new paragraph:

“(5) In employing participants during the period of obligated service, the Secretary shall ensure that participants are compensated at a rate that is comparable to the rate of compensation for employment in a similar position in the private sector.”.

(2) by redesignating subsections (e) through (i) as subsections (f) through (j), respectively;

(3) by inserting after subsection (d) the following new subsection:

“(e) INTERNSHIP REQUIREMENT.—In addition to the period of obligated service required under subsection (d), before completing a degree program for which a scholarship was awarded under this section, each participant shall participate in a paid internship for a period of not less than eight weeks with a defense industry sponsor. The Secretary shall work with each defense industry sponsor to ensure there are sufficient paid internships available for all participants, and that each such defense industry sponsor—
“(1)(A) may be a potential employer for purpose of the participant’s period of obligated service as described subsection (d)(1)(B)(ii); or

“(B) may offer full time employment for a participant’s last year of obligated service after the participant completes remaining years owed; and

“(2) has agreed to be a defense industry sponsor making a minimum contribution for each participant who receives an internship, which shall be a minimum amount determined by the Secretary, but not less than an amount equal to 50 percent of the cost of an average scholarship under this section.”;

(4) in subsection (h), as so redesignated—

(A) by striking “The Secretary of Defense shall” and inserting

“(1) The Secretary of Defense shall”; and

(B) by adding at the end the following new paragraph:

“(2)(A) The Secretary of Defense shall establish or designate an organization within the Department of Defense which shall have primary responsibility for building cohesion and collaboration across the various scholarship and employment programs of the Department.
“(B) The organization described in subparagraph (A) shall have the following duties:

“(i) Establish an interconnected network and database across the scholarship and employment programs of the Department, including, at a minimum the SMART Defense Education Program, the Defense Civilian Training Corps, the National Defense Science and Engineering Graduate Fellowship, the Army AEOP apprenticeship program, and the Consortium Research Fellows Program;

“(ii) aid in matching scholarships to individuals pursuing courses of study in in-demand skill areas; and

“(iii) build a network of program participants, past, present, and future whom DOD departments can draw on to fill skills gaps.

“(C) On an annual basis, the organization described in subparagraph (A) shall publish, on a publicly accessible website of the Department of Defense, an annual report on the workforce requirements and expected future needs of the civilian workforce of the Department of Defense.”;

(5) by redesignating subsection (j), as so redesignated, as subsection (k);
(6) by inserting after subsection (i) the following new subsection:

“(j) SPECIAL RULE.—In each year of the program under this section, not less than 20 percent of the applicants who are awarded scholarships shall be individuals pursuing degrees in computer science or a related field of study.”; and

(7) in subsection (k), as so redesignated, by adding at the end the following new paragraph:

“(3) The term ‘defense industry sponsor’ means—

“(A) a defense contractor with an active government contract that makes the required minimum contribution described in subsection (e)(2); or

“(B) a company deemed critical to the national security infrastructure that makes such a contribution.”.

SEC. 212. ENHANCED PARTICIPATION OF DEPARTMENT OF DEFENSE CONTRACTORS IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS ACTIVITIES.

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

§ 2192c. Program to enhance contractor participation in science, technology, engineering, and mathematics activities

(a) IN GENERAL.—The Secretary of Defense shall carry out a program under which the Secretary shall seek to enter into partnerships with Department of Defense contractors to promote interest in careers in STEM disciplines.

(b) OBJECTIVES.—The objectives of the program under subsection (a) are—

“(1) to maximize strategic partnerships between institutions of higher education and private sector organizations to build and strengthen communities involved in STEM disciplines;

“(2) to increase diversity, equity, and inclusion by providing access to career paths in STEM in historically underserved and underrepresented communities; and

“(3) to encourage employers in STEM disciplines to establish work-based learning experiences such as internships and apprenticeships.
“(c) ACTIVITIES.—As part of the program under subsection (a), the Secretary of Defense shall seek to encourage and provide support to Department of Defense contractors to enable such contractors to carry out activities to promote interest in careers in STEM disciplines. Such activities may include—

“(1) aiding in the development of educational programs and curriculum in STEM disciplines for students of elementary schools and secondary schools;

“(2) establishing volunteer programs in elementary schools and secondary schools receiving assistance under part A of title I of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 6311 et seq.) to enhance education in STEM disciplines.

“(3) enhancing education in STEM disciplines at institutions of higher education by—

“(A) making personnel available to advise and assist faculty at such institutions in the performance of research and instruction in STEM disciplines that are determined to be critical to the functions of the Department of Defense;
“(B) awarding scholarships and fellowships
to students pursuing courses of study in STEM
disciplines; or
“(C) establishing cooperative work-education programs in STEM disciplines for stu-
dents; or
“(4) enhancing education in STEM disciplines
at minority institutions by—
“(A) establishing partnerships between
offerors and such institutions for the purpose of
training students in STEM disciplines;
“(B) conducting recruitment activities at
such institutions; or
“(C) making internships or apprenticeships
available to students of such institutions.
“(d) ALLOWABILITY OF COSTS.—Activities described
in subsection (c) shall be considered as allowable commu-
nity service activities for the purposes of determining al-
lowability of cost on a government contract.
“(h) DEFINITIONS.—In this section:
“(1) The terms ‘elementary school’ and ‘sec-
ondary school’ have the meanings given those terms
in section 8101 of the Higher Education Act of
“(2) The term ‘institution of higher education’ has the meaning given that term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

“(3) The term ‘minority institution’ means—

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

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

“(4) The term ‘STEM disciplines’ means disciplines relating to science, technology, engineering and mathematics, including disciplines that are critical to the national security functions of the Department of Defense and that are needed in the Department of Defense workforce (as determined by the Secretary of Defense under section 2192a(a)).”.

(2) Clerical Amendment.—The table of sections at the beginning of such chapter is amended
by inserting after the item relating to section 2192b
the following new item:

“2192c. Program to enhance contractor participation in science, technology, en-
gineering, and math activities.”.

(b) CONFORMING REPEAL.—Section 862 of the Na-
tional Defense Authorization Act for Fiscal Year 2012
(Public Law 112–81; 10 U.S.C. note prec. 2191) is re-
pealed.

SEC. 213. MODIFICATION OF REQUIREMENTS RELATING TO
CERTAIN COOPERATIVE RESEARCH AND DE-
VELOPMENT AGREEMENTS.

Section 2350a of title 10, United States Code, is
amended—

(1) in subsection (b)(2), by striking “and the
Under Secretary” and inserting “or the Under Sec-
retary”;

(2) in subsection (c)—

(A) by striking “Each cooperative” and in-
serting “(1) Except as provided in paragraph
(2), each cooperative”; and

(B) by adding at the end the following new
paragraphs:

“(2) A cooperative research and development project
may be entered into under this section under which costs
are shared between the participants on an unequal basis
if the Secretary of Defense, or an official specified in sub-
section (b)(2) to whom the Secretary delegates authority under this paragraph, makes a written determination that unequal cost sharing provides strategic value to the United States or another participant in the project.

“(3) For purposes of this subsection, the term ‘cost’ means the total value of cash and non-cash contributions.”;

(3) in subsection (d)—

(A) in paragraph (1), by striking “In order to” and inserting “Except as provided in paragraph (2), in order to”;

(B) by redesignating paragraph (2) as paragraph (3); and

(C) by inserting after paragraph (1) the following new paragraph:

“(2)(A) The Secretary of Defense, or an official specified in subsection (b)(2) to whom the Secretary delegates authority under this paragraph, may waive the prohibition under paragraph (1) to allow the procurement of qualified services from a foreign government, foreign research organization, or other foreign entity on a case-by-case basis.

“(B) Not later than 30 days before issuing a waiver under subparagraph (A), the Secretary of Defense or the official specified in subsection (b)(2) to whom the Secretary delegates authority under this paragraph (as the
case may be) shall submit to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate written notice of the intent to issue such a waiver.

“(C) For purposes of this paragraph, the term ‘qualified services’ means engineering support services and local management services, including launch support services, test configuration support services, test range support services, and development support services, that are not covered by a memorandum of understanding (or other formal agreement) to conduct a cooperative research and development project under this section.”.

SEC. 214. PILOT PROGRAM ON TALENT OPTIMIZATION.

Section 2358b of title 10, United States Code, is amended by adding at the end the following new subsection:

“(e) PILOT PROGRAM ON TALENT OPTIMIZATION.—

“(1) IN GENERAL.—The Under Secretary of Defense for Research and Engineering, acting through the Director of the Defense Innovation Unit, shall carry out a pilot program to develop a software-based system that enables active duty military units to identify, access, and request support from members of the reserve components who have
the skills and expertise necessary to carry out one or more functions required of such units.

“(2) ELEMENTS.—In carrying out the pilot program, the Director of the Defense Innovation Unit shall—

“(A) ensure that the system developed under paragraph (1)—

“(i) enables active duty units, in near real-time, to identify members of the reserve components who have the qualifications necessary to meet certain requirements applicable to the units;

“(ii) improves the ability of the military departments to access, on-demand, members of the reserve components who possess relevant experience; and

“(iii) prioritizes access to members of the reserve components who have private-sector experience in the fields identified in section (b);

“(iv) leverages commercial best practices for similar software systems;

“(B) recommend policies and legislation to streamline the use of members of the reserve components by active duty units; and
“(C) carry out such other activities as the Director determines appropriate.

“(3) TERMINATION.—The authority to carry out the pilot program under this subsection shall terminate on September 30, 2025.”.

SEC. 215. CODIFICATION OF THE NATIONAL SECURITY INNOVATION NETWORK.

(a) CODIFICATION.—

(1) IN GENERAL.—Chapter 139 of title 10, United States Code, is amended by inserting after section 2358b the following new section:

“§ 2358c. National Security Innovation Network

“(a) ESTABLISHMENT.—The Secretary of Defense shall establish a program office to be known as the ‘National Security Innovation Network’ (referred to in this section as the ‘Network’). The Secretary shall establish the Network within the Office of the Under Secretary of Defense for Research and Engineering or within the office of another principal staff assistant to the Secretary.

“(b) RESPONSIBILITIES.—The responsibilities of the Network shall be—

“(1) to create a network throughout the United States that connects the Department of Defense to academic institutions, commercial accelerators and incubators, commercial innovation hubs, and non-
profit entities with missions relating to national security innovation;

“(2) to expand the national security innovation base through integrated, project-based problem solving that leads to novel concept and solution development for the Department and facilitates dual-use venture creation;

“(3) to accelerate the adoption of novel concepts and solutions by facilitating dual-use technology advancement to improve acquisition and procurement outcomes;

“(4) to work in coordination with the Under Secretary of Defense for Personnel and Readiness, other principal staff assistants within the Office of the Secretary, and the Armed Forces to create new pathways and models of national security service that facilitate term, temporary, and permanent employment within the Department for—

“(A) students and graduates in the fields of science, technology, arts, engineering, and mathematics;

“(B) early-career and mid-career technologists; and

“(C) entrepreneurs for purposes of project-based work;
“(5) to generate novel concepts and solutions to problems and requirements articulated by entities within the Department through programs, such as the Hacking for Defense program, that combine end users from the Department, students and faculty from academic institutions, and the early-stage dual-use venture community;

“(6) to establish physical locations throughout the United States through which the Network will connect with academic and private sector partners for the purposes of carrying the responsibilities described in paragraphs (1) through (5); and

“(7) to carry out such other activities as the Secretary of Defense, in consultation with the head of the Network, determines to be relevant to such responsibilities.

“(c) AUTHORITIES.—In addition to the authorities provided under this section, in carrying out this section, the Secretary of Defense may use the following authorities:

“(1) Section 1599g of this title relating to public-private talent exchanges.

“(2) Section 2368 of this title, relating to Centers for Science, Technology, and Engineering Partnerships.
“(3) Section 2374a of this title, relating to prizes for advanced technology achievements.

“(3) Section 2474 of this title, relating to Centers of Industrial and Technical Excellence.

“(4) Section 2521 of this title, relating to the Manufacturing Technology Program.

“(5) Subchapter VI of chapter 33 of title 5, relating to assignments to and from States.

“(6) Chapter 47 of such title, relating to personnel research programs and demonstration projects.


“(8) Such other authorities as the Secretary considers appropriate.

“(d) DEFINITIONS.—In this section:

“(1) The term ‘dual-use venture’ means a business that provides products or services that are capable of meeting requirements for military and non-military applications.

“(2) The term ‘early-stage dual-use venture’ means a business that provides products or services that are capable of meeting requirements for mili-
tary and nonmilitary applications that has raised not
more than $20,000,000 in private venture capital,
and whose principal product or service does not sup-
port, either directly or indirectly, a current Depart-
ment of Defense program of record.”.

(2) CLERICAL AMENDMENT.—The table of sec-
tions at the beginning of such chapter is amended
by inserting after the item relating to section 2358b
the following new item:

“2358c. National Security Innovation Network.”.

(b) IMPLEMENTATION.—

(1) TRANSFERS FROM OTHER DOD EL-
EMENTS.—The Secretary of Defense may transfer to
the National Security Innovation Network estab-
lished under section 2358c of title 10, United States
Code (as added by subsection (a)) such personnel,
resources, and functions of other organizations and
elements of the Department of Defense as the Sec-
retary considers appropriate to carry out such sec-
tion.

(2) INTEGRATION WITH EXISTING NSIN.—Ef-
fective on the date of the enactment of this Act, the
National Security Innovation Network of the De-
partment of Defense (as in existence on the day be-
fore such date of enactment) shall be transferred to
and merged with the National Security Innovation
Network established under section 2358c of title 10, United States Code (as added by subsection (a)).

(3) IMPLEMENTATION PLAN.—

(A) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a plan for implementing the National Security Innovation Network under section 2358c of title 10, United States Code (as added by subsection (a)).

(B) ELEMENTS.—The plan required under paragraph (1) shall include the following:

(i) Plans for any transfers the Secretary intends to carry out under paragraph (1).

(ii) Plans for the funding, integration, and evaluation of the Network, including plans for—

(I) future funding and administrative support of the Network;

(II) integration of the Network into the programming, planning, budgeting, and execution process of the Department of Defense;
(III) integration of the Network with the other programs and initiatives within the Department that have missions relating to innovation and outreach to the academic and the private sector early-stage dual-use venture community (as defined in section 2358c of title 10, United States Code (as added by subsection (a)); and

(IV) performance indicators by which the Network will be assessed and evaluated.

(iii) A description of any additional authorities the Secretary may require to ensure that the Network is able to effectively carry out the responsibilities specified in section 2358c(c) of title 10, United States Code (as added by subsection (a)).

(c) COMPTROLLER GENERAL REVIEWS AND REPORTS.—

(1) REVIEW AND REPORT ON IMPLEMENTATION PLAN.—Not later than 180 days after the date on which the implementation plan is submitted under subsection (b)(3), the Comptroller General of the United States shall—
(A) complete a review of the implementation plan;

(B) submit to the congressional defense committees a report on the results of the review.

(2) PROGRAM EVALUATION AND REPORT.—

(A) IN GENERAL.—Not later than three years after the date of the enactment of this Act, the Comptroller General of the United States shall—

(i) complete an evaluation of the National Security Innovation Network under section 2358c of title 10, United States Code (as added by subsection (a)); and

(ii) submit to the appropriate congressional committees a report on the results of the evaluation.

(B) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this paragraph, the term “appropriate congressional committees” means—

(i) the congressional defense committees;
(ii) the Committee on Homeland Security and Governmental Affairs of the Senate; and

(iii) the Committee on Oversight and Government Reform of the House of Representa- 
vatives.

SEC. 216. MODIFICATION OF PILOT PROGRAM ON ENHANCED CIVICS EDUCATION.

(a) IN GENERAL.—Section 234 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 2164 note) is amended—

(1) in subsection (e)(1)—

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

(B) by adding at the end the following new subparagraph:

“(J) the improvement of critical thinking and media literacy among students, including the improvement of students’ abilities with respect to—

“(i) research and information fluency;

“(ii) critical thinking and problem solving skills;

“(iii) technology operations and con-
“(iv) information and technological literacy;

“(v) understanding of the importance of obtaining information from multiple media sources and evaluating sources for quality; and

“(vi) understanding how information on digital platforms can be altered through algorithms, editing, and augmented reality; and”;

(2) in subsection (g), by adding at the end the following new paragraph:

“(3) The term ‘media literacy’ means the ability to—

“(A) access relevant and accurate information through media in a variety of forms;

“(B) critically analyze media content and the influences of different forms of media;

“(C) evaluate the comprehensiveness, relevance, credibility, authority, and accuracy of information;

“(D) make educated decisions based on information obtained from media and digital sources;”.

(b) **Deadline for Implementation.**—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall implement the pilot program under section 234 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 2164 note), as amended by subsection (a).

(c) **Progress Report.**—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the efforts of Secretary to implement the pilot program under section 234 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 10 U.S.C. 2164 note), as amended by subsection (a).

**SEC. 217. MODIFICATION OF JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DEVELOPMENT, AND TRANSITION ACTIVITIES.**


(1) in the section heading, by inserting “AND IMPROVEMENT OF THE JOINT ARTIFICIAL INTELLIGENCE CENTER” before the period at the end;

(2) in subsection (a)—
(A) in paragraph (1), by inserting “acquire,” before “develop”; and

(B) by amending paragraph (2) to read as follows:

“(2) EMPHASIS.—The set of activities established under paragraph (1) shall include—

“(A) acquisition and development of mature artificial intelligence technology;

“(B) applying artificial intelligence and machine learning solutions to operational problems by directly delivering artificial intelligence capabilities to the Armed Forces and other organizations and elements of the Department;

“(C) accelerating the development, testing, and fielding of new artificial intelligence and artificial intelligence-enabling capabilities; and

“(D) coordinating and deconflicting activities involving artificial intelligence and artificial intelligence-enabled capabilities within the Department.”

(3) by amending subsection (b) to read as follows:

“(b) RESPONSIBLE OFFICIAL.—The Deputy Secretary of Defense shall be the official within the Department of Defense with principal responsibility for the co-
ordination of activities relating to the acquisition, development, and demonstration of artificial intelligence and machine learning for the Department.”.

(4) by redesignating subsections (c) through (g) as subsections (d) through (h), respectively;

(5) by inserting after subsection (b) the following new subsection:

“(c) ORGANIZATION.—

“(1) ROLE OF JOINT ARTIFICIAL INTELLIGENCE CENTER.—The set of activities established under subsection (a)(1) shall be established within the Joint Artificial Intelligence Center.

“(2) AUTHORITY OF DEPUTY SECRETARY OF DEFENSE.—The Deputy Secretary of Defense shall exercise authority and direction over the Joint Artificial Intelligence Center.

“(3) AUTHORITY OF DIRECTOR.—The Director of the Joint Artificial Intelligence Center shall report directly to the Deputy Secretary of Defense.

“(4) DELEGATION.—In exercising authority and direction over the Joint Artificial Intelligence Center under subsection (a), the Deputy Secretary of Defense may delegate administrative and ancillary management duties to the Chief Information Officer of the Department of Defense, as needed, to effec-
tively and efficiently execute the mission of the Cen-

ter.”;

(6) in subsection (d), as so redesignated—

(A) in the matter preceding paragraph (1),

by striking “official designated under sub-

section (b)” and inserting “Deputy Secretary of

Defense”;

(B) in paragraph (1), in the matter pre-

ceding subparagraph (A), by inserting “ac-

quire,” before “develop”;

(C) in the heading of paragraph (2), by

striking “DEVELOPMENT” and inserting “AC-

QUISITION, DEVELOPMENT,”; and

(D) in paragraph (2)—

(i) in the matter preceding subpara-

graph (A), by striking “To the degree

practicable, the designated official” and in-

serting “The Deputy Secretary of De-

fense”;

(ii) in subparagraph (A), by striking

“development” and inserting “acquisition,

development,”;

(iii) by redesignating subparagraphs

(H) and (I) as subparagraphs (J) and (K),

respectively; and
(iv) by inserting after subparagraph (G), the following new subparagraphs:

“(H) develop standard data formats for the Department that—

“(i) aid in defining the relative maturity of datasets; and

“(ii) inform best practices for cost and schedule computation, data collection strategies aligned to mission outcomes, and dataset maintenance practices;

“(I) establish data and model usage agreements and collaborative partnership agreements for artificial intelligence product development with each organization and element of the Department, including each of the Armed Forces;”;

(7) in subsection (e), as so redesignated—

(A) by striking “the official designated under subsection (b)” and inserting “the Director of the Joint Artificial Intelligence Center”;

(B) by striking “subsection (c)” and inserting “subsection (d)”;

(C) by adding at the end the following: “At a minimum, such access shall ensure that the Director has the ability to discover, access,
share, and reuse data and models of the Armed Forces and other organizations and elements of the Department of Defense and to build and maintain data for the Department.”;

(8) in subsection (f), as so redesignated—

(A) in paragraph (1)—

(i) in the matter preceding subpara-
graph (A), by striking “official designated under subsection (b)” and inserting “De-
puty Secretary of Defense”; and

(ii) in subparagraph (B), by striking “designated official” and inserting “De-
uty Secretary of defense”; and

(B) in paragraph (2), by striking “des-
ignated official” and inserting “Deputy Sec-
retary of Defense”; and

(9) by adding at the end the following new sub-
section:

“(i) JOINT ARTIFICIAL INTELLIGENCE CENTER DE-
FINED.—The term ‘Joint Artificial Intelligence Center’
means the Joint Artificial Intelligence Center of the De-
partment of Defense established pursuant to the memo-
randum of the Secretary of Defense dated June 27, 2018,
and titled ‘Establishment of the Joint Artificial Intel-
ligence Center’, or any successor to such Center.”.
SEC. 218. MODIFICATION OF NATIONAL SECURITY INNOVATION ACTIVITIES AND MANUFACTURING PILOT PROGRAM.


(1) in subsection (a), by striking “The Under Secretary of Defense for Research and Engineering shall establish” and inserting “The Under Secretary of Defense for Research and Engineering, acting through the Director of the Defense Innovation Unit, shall establish”;

(2) by redesignating subsections (e) through (h) as subsections (f) through (i), respectively;

(3) by inserting after subsection (d) the following new subsection:

“(e) Establishment of Advisory Board.—

“(1) In general.—Not earlier than the date specified in paragraph (5), but no later than 180 days after such date, the Under Secretary shall establish an advisory board within the Defense Innovation Unit to advise the Under Secretary and the Director of the Unit with respect to the establishment and prioritization of activities under such subsection (a).
“(2) DUTIES.—The advisory board established under paragraph (1) shall—

“(A) identify activities that should be prioritized for establishment under subsection (a);

“(B) not less frequently that semiannually, reevaluate and update such priorities; and

“(C) ensure continuing alignment of the activities established under subsection (a), including all elements of such activities described in subsection (b), with the overall technology strategy of the Department of Defense.

“(3) MEMBERSHIP.—The advisory board established under paragraph (1) shall be composed of one or more representatives from each of the following:

“(A) Each science and technology reinvention laboratory of the Department of Defense.

“(B) The primary procurement organization of each Armed Force.

“(C) The Defense Innovation Board.

“(D) Such other organizations and elements of the Department of Defense as the Under Secretary, in consultation with the Director of the Defense Innovation Unit, determines appropriate.
“(4) PLAN.—Not later than 90 days before the date on which the advisory board is established under paragraph (1), the Under Secretary shall submit to the congressional defense committees a plan for establishing the advisory board, including a description of the expected roles, responsibilities, and membership of the advisory board.

“(5) DATE SPECIFIED.—The date specified in this paragraph is the date on which funds are first appropriated or otherwise made available to carry out subsection (a).”; and

(4) in subsection (h), as so redesignated, by striking “subsection (h)” and inserting “subsection (i)”.

(b) PILOT PROGRAM ON DEFENSE MANUFACTURING.—Section 1711 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2505 note) is amended—

(1) in subsection (d), by striking “the date that is four years after the date of the enactment of this Act” and inserting “December 31, 2026”; and

(2) in subsection (e), by striking “January 31, 2022” and inserting “January 31, 2027”.

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SEC. 219. EXTENSION OF PILOT PROGRAM FOR THE ENHANCEMENT OF THE RESEARCH, DEVELOPMENT, TEST, AND EVALUATION CENTERS OF THE DEPARTMENT OF DEFENSE.

(a) In General.—Section 233 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2358 note) is amended—

(1) in subsection (e), by striking “2022” and inserting “2027”; and

(2) in subsection (f)—

(A) by amending paragraph (1) to read as follows:

“(1) In general.—Not later than one year after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2021, the Secretary of Defense shall submit to the congressional defense committees a report on the status of the pilot program.”; and

(B) in paragraph (2), by adding at the end the following new subparagraph:

“(F) With respect to any military department not participating in the pilot program, an explanation for such nonparticipation, including identification of—

“(i) any issues that may be preventing such participation; and
“(ii) any offices or other elements of the department that may be responsible for the delay in participation.”.

(b) TECHNICAL AMENDMENT.—Effective as of December 23, 2016, and as if included therein as enacted, section 233(e)(2)(C)(ii) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2358 note) is amended by striking “Assistant Secretary of the Army for Acquisition, Technology, and Logistics” and inserting “Assistant Secretary of the Army for Acquisition, Logistics, and Technology”.

SEC. 220. DIGITAL DATA MANAGEMENT AND ANALYTICS CAPABILITY.

(a) DIGITAL DATA MANAGEMENT AND ANALYTICS CAPABILITY.—

(1) IN GENERAL.—The Secretary of Defense shall develop and implement an advanced digital data management and analytics capability to be used—

(A) to digitally integrate all elements of the acquisition process of the Department of Defense;

(B) to digitally record and track all relevant data generated during the research, development, testing, and evaluation of systems; and
(C) to maximize the use of such data to inform—

(i) the further development and improvement of such systems; and

(ii) the acquisition process for such systems.

(2) REQUIREMENTS.—The capability developed under paragraph (1) shall meet the following requirements:

(A) The capability will be accessible to, and useable by, individuals throughout the Department of Defense who have responsibilities relating to capability requirements, research, design, development, testing, evaluation, acquisition, management, operations, and sustainment of systems.

(B) The capability will provide for the development, use, curation, and maintenance of authoritative and technically accurate digital systems—

(i) to reduce the burden of reporting by officials responsible for executing programs;

(ii) to ensure shared access to data within the Department;
(iii) to supply data to digital engineering models for use in the defense acquisition process;

(iv) to supply data to testing infrastructure and software to support automated approaches for testing, evaluation, and deployment throughout the defense acquisition process; and

(v) to provide timely analyses to Department leadership.

(C) The capability will be designed—

(i) to improve data management processes in the research, development, acquisition, and sustainment activities of the Department;

(ii) to provide decision makers in the Department with timely, high-quality, transparent, and actionable analyses for optimal development, acquisition, and sustainment decision making and execution;

(iii) to facilitate productivity, discovery, access, knowledge sharing, and analysis of acquisition-related data across organizational boundaries at all levels of
the Department, including through the development of acquisition documentation; and

(iv) to build and improve analytical models and simulations to enhance the development, test, and use of weapon systems.

(3) SOFTWARE REQUIREMENT.—

(A) IN GENERAL.—The capability developed under paragraph (1) shall include software to collect, organize, manage, make available, and analyze relevant data throughout the life cycle of defense acquisition programs, including any data needed to satisfy milestone requirements and reviews.

(B) PROCUREMENT AUTHORITY.—The software described in subparagraph (A) may be developed or procured using the authorities provided under section 800 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1478).

(4) REVIEW.—In developing the capability required under paragraph (1) the Secretary of Defense shall—
(A) review data content and requirements to support planning and reporting of functions and remove redundant data requests across functions.

(B) based on such review, develop recommended approaches for—

(i) moving supporting processes from analog to digital format, including planning and reporting processes;

(ii) making new data active through digitalization;

(iii) making legacy data, including data currently residing in program documentation, active through digitalization; and

(iv) modernizing the storage, retrieval, and reporting capabilities for stakeholders within the Department, including research entities, Program Management Offices, analytic organizations, enterprise oversight, and decision makers.

(b) DEMONSTRATION ACTIVITIES.—

(1) IN GENERAL.—The Secretary of Defense shall carry out demonstration activities to test var-
ious approaches to building the capability required under subsection (a).

(2) PROGRAM SELECTION.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall assess and select not fewer than two and not more than five programs of the Department of Defense to participate in the demonstration activities under paragraph (1), including—

(A) one or more acquisition data management test cases; and

(B) one or more development and test modeling and simulation test cases to demonstrate the ability to collect data from tests and operations in the field, and feed the data back into models and simulations for better software development and testing.

(3) ADDITIONAL REQUIREMENTS.—As part of the demonstration activities under paragraph (1), the Secretary shall—

(A) conduct a comparative analysis that assesses the risks and benefits of the digital management and analytics capability used in each of the programs participating in the demonstration activities relative to the Depart-
ment’s traditional data collection, reporting, exposing, and analysis approaches;

(B) ensure that the intellectual property strategy for each of the programs participating in the demonstration activities is best aligned to meet the goals of the program; and

(C) develop a workforce and infrastructure plan to support any new policies and guidance implemented in connection with the demonstration activities, including any policies and guidance implemented after the completion of such activities.

(e) POLICIES AND GUIDANCE REQUIRED.—Not later than 18 months after the date of the enactment of this Act, based on the results of the demonstration activities carried out under subsection (b), the Secretary of Defense shall issue or modify policies and guidance to—

(1) promote the use of digital management and analytics capabilities; and

(2) address roles, responsibilities, and procedures relating to such capabilities.

(d) STEERING COMMITTEE.—

(1) IN GENERAL.—The Secretary of Defense shall establish a steering committee to assist the
Secretary in carrying out subsections (a) through (e).

(2) MEMBERSHIP.—The steering committee shall be composed of the following members or their designees:

(A) The Chief Management Officer.

(B) The Chief Information Officer.

(C) The Director of Cost Assessment and Program Evaluation.

(D) The Under Secretary of Defense for Research and Engineering.

(E) The Under Secretary of Defense for Acquisition and Sustainment.

(F) The Director of Operational Test and Evaluation.

(G) The Service Acquisition Executives.

(H) The Director for Force Structure, Resources, and Assessment of the Joint Staff.

(I) The Director of the Defense Digital Service.

(e) INDEPENDENT ASSESSMENTS.—

(1) INITIAL ASSESSMENT.—

(A) IN GENERAL.—The Defense Innovation Board, in consultation with the Defense Digital Service, shall conduct an independent
assessments to identify recommended approaches for the implementation of subsections (a) through (c).

(B) ELEMENTS.—The assessment under subparagraph (A) shall include the following:

(i) A plan for the development and implementation of the capability required under subsection (a), including a plan for any procurement that may be required as part of such development and implementation.

(ii) An independent cost assessment of the total estimated cost of developing and implementing the capability.

(iii) An independent estimate of the schedule for the development and implementation of the capability, including a reasonable estimate of the dates on which the capability can be expected to achieve initial operational capability and full operational capability, respectively.

(iv) A recommendation identifying the office or other organization of the Department of Defense that would be most ap-
propriate to manage and execute the capability.

(C) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Defense Innovation Board, in consultation with the Defense Digital Service, shall submit to the Secretary of Defense and the congressional defense committees a report on the findings of the assessment under subparagraph (A), including the findings of the assessment with respect to each element specified in subparagraph (B).

(2) FINAL ASSESSMENT.—

(A) IN GENERAL.—Not later than March 15, 2022, the Defense Innovation Board and the Defense Science Board shall jointly complete an independent assessment of the progress of the Secretary in implementing subsections (a) through (c). The Secretary of Defense shall ensure that the Defense Innovation Board and the Defense Science Board have access to the resources, data, and information necessary to complete the assessment.

(B) INFORMATION TO CONGRESS.—Not later than 30 days after the date on which the assessment under subparagraph (A) is com-
pleted, the Defense Innovation Board and the
Defense Science Board shall jointly provide to
the congressional defense committees—

(i) a report summarizing the assessment; and

(ii) a briefing on the findings of the assessment.

(f) REPORT AND BRIEFING.—

(1) REPORT ON IMPLEMENTATION.—Not later
than 90 days after the date on which the report de-
scribed in subsection (e)(1)(C) is submitted to the
congressional defense committees, the Secretary of
Defense shall submit to the congressional defense
committees a report on the progress of the Secretary
in implementing subsections (a) through (c). The re-
port shall include an explanation of how the results
of the demonstration activities carried out under
subsection (b) will be incorporated into the policy
and guidance required under subsection (e), particu-
larly the policy and guidance of the members of the
steering committee established under subsection (d).

(2) BRIEFING ON LEGISLATIVE RECOMMENDA-
TIONS.—Not later than October 15, 2021, the Sec-
retary of Defense shall provide to the Committee on
Armed Services of the House of Representatives a
briefing that identifies any changes to existing law that may be necessary to facilitate the implementation of subsections (a) through (c).

SEC. 221. SOCIAL SCIENCE, MANAGEMENT SCIENCE, AND INFORMATION SCIENCE RESEARCH ACTIVITIES.

(a) ESTABLISHMENT.—The Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall carry out a program of research and development in social science, management science, and information science.

(b) PURPOSES.—The purposes of the program required under subsection (a) are as follows:

(1) To ensure that the Department of Defense has access to innovation and expertise in social science, management science, and information science to enable the Department to improve the effectiveness and efficiency of the Department’s operational and management activities.

(2) To coordinate all research and development within the Department in the fields of social science, management science, and information science.

(3) To enhance cooperation and collaboration on research and development in the fields of social science, management science, and information science.
science among the Department of Defense and appropriate private sector and international entities that are involved in such research and development.

(4) To develop and manage a portfolio of research initiatives in fundamental and applied social science, management science, and information science that is stable, consistent, and balanced across relevant disciplines.

(5) To accelerate efforts to transition and deploy technologies and concepts derived from research and development in the fields of social science, management science, and information science into the Department of Defense, and to establish policies, procedures, and standards for measuring the success of such efforts.

(6) To collect, synthesize, and disseminate critical information on research and development in the fields of social science, management science, and information science.

(7) To support the missions and systems of the Department by developing the fields of social science, management science, and information science, including by supporting—

(A) appropriate research and innovation in such fields; and
(B) the development of an industrial base
in such fields, including development of the fa-
cilities, workforce, and infrastructure that com-
prise such industrial base.

(c) Administration.—The Under Secretary of De-
defense for Research and Engineering shall supervise the
planning, management, and coordination of the program
under subsection (a).

(d) Activities.—The Under Secretary of Defense
for Research and Engineering, in consultation with the
Secretaries of the military departments and the heads of
relevant Defense Agencies, shall—

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

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

(B) development of defense-related man-
agement innovation activities;

(C) improving the operational use of social
science, management science, and information
science innovations by military commanders and
civilian leaders;

(D) improving understanding of the funda-
mental social, cultural, and behavioral forces
that shape the strategic interests of the United States; and

(E) developing a Department of Defense workforce capable of developing and leveraging innovations and best practices in the fields of social science, management science, and information science to support defense missions;

(2) develop a coordinated and integrated research and investment plan for meeting near-term, mid-term, and long-term national security, defense-related, and Department management challenges that—

(A) includes definitive milestones;

(B) provides for achieving specific technical goals; and

(C) builds upon the investments of the Department, other departments and agencies of the Federal Government, and the commercial sector in the fields of social science, management science, and information science;

(3) develop plans for—

(A) the development of the Department’s workforce in social science, management science, and information science; and
(B) enhancing awareness of social science, management science, and information science within the Department; and

(4) develop memoranda of agreement, joint funding agreements, and such other cooperative arrangements as the Under Secretary determines necessary for carrying out the program under subsection (a).

(e) GUIDANCE REQUIRED.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall develop and issue guidance for defense-related social science, management science, and information science activities, including—

(A) classification and data management plans for such activities; and

(B) policies for control of personnel participating in such activities to minimize the effects of the loss of intellectual property in social science, management science, and information science considered sensitive to the Federal Government.
(2) UPDATES.—Under Secretary of Defense for Research and Engineering shall regularly update the guidance issued under paragraph (4).

(f) RESEARCH CENTERS.—

(1) IN GENERAL.—The Secretary of each military department may establish or designate an entity or activity under the jurisdiction of such Secretary, which may include a Department of Defense Laboratory, to serve as a research center in the fields of social science, management science, and information science. Each such research center shall engage with appropriate public sector and private sector organizations, including academic institutions, to enhance and accelerate the research, development, and deployment of social science, management science, and information science within the Department.

(2) MINIMUM NUMBER.—The Secretary of Defense shall ensure that not less than one research center is established or designated under paragraph (1) by not later than 180 days after the date of the enactment of this Act.

(g) REPORT.—
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(1) IN GENERAL.—Not later than December 31, 2022, the Secretary shall submit to the congres-
sional defense committees a report on the program.

(2) FORM OF REPORT.—The report required under paragraph (1) may be submitted in unclassi-
ified or classified form.

SEC. 222. MEASURING AND INCENTIVIZING PROGRAMMING PROFICIENCY.

(a) IN GENERAL.—Not later than two years after the date of the enactment of this Act, the Secretary of Defense shall carry out the following activities:

(1) Leverage existing civilian software development and software architecture certification pro-
grams to implement coding language proficiency and artificial intelligence competency tests within the De-
partment of Defense that—

(A) measure an individual's competency in using machine learning tools, in a manner simi-
lar to the way the Defense Language Proficiency Test measures competency in foreign language skills;

(B) enable the identification of members of the Armed Forces and civilian employees of the Department of Defense who have varying levels of quantified coding comprehension and skills;
and a propensity to learn new programming
paradigms, algorithms, and data analytics; and

(C) include hands-on coding demonstrations and challenges.

(2) Update existing record keeping systems to
track artificial intelligence and programming certification testing results in a manner that is comparable to the system used for tracking and documenting foreign language competency, and use that record keeping system to ensure that workforce coding and artificial intelligence comprehension and skills are taken into consideration when making assignments.

(3) Implement a system of rewards, including appropriate incentive pay and retention incentives, for members of the Armed Forces and civilian employees of the Department of Defense who perform successfully on specific language coding proficiency and artificial intelligence competency tests and make their skills available to the Department.

(b) INFORMATION SHARING WITH OTHER FEDERAL AGENCIES.—The Secretary of Defense shall share information on the activities carried out under subsection (a) with the Secretary of Homeland Security, the Attorney General, the Director of National Intelligence, and the
heads of such other organizations of the intelligence community as the Secretary determines appropriate, for purposes of—

(1) making information about the coding language proficiency and artificial intelligence competency tests developed under such subsection available to other Federal national security agencies; and

(2) encouraging the heads of such agencies to implement tracking and reward systems that are comparable to those implemented by the Department of Defense pursuant to such subsection.

SEC. 223. INFORMATION TECHNOLOGY MODERNIZATION AND SECURITY EFFORTS.

(a) Modernization Effort.—

(1) Definitions.—In this subsection—

(A) the term “Assistant Secretary” means the Assistant Secretary of Commerce for Communications and Information;

(B) the term “covered agency”—

(i) means any Federal entity that the Assistant Secretary determines is appropriate; and

(ii) includes the Department of Defense;
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(C) the term “Federal entity” has the meaning given the term in section 113(l) of the National Telecommunications and Information Administration Organization Act (47 U.S.C. 923(l));

(D) the term “Federal spectrum” means frequencies assigned on a primary basis to a covered agency;

(E) the term “infrastructure” means information technology systems and information technologies, tools, and databases; and

(F) the term “NTIA” means the National Telecommunications and Information Administration.

(2) INITIAL INTERAGENCY SPECTRUM INFORMATION TECHNOLOGY COORDINATION.—Not later than 90 days after the date of enactment of this Act, the Assistant Secretary, in consultation with the Policy and Plans Steering Group, shall identify a process to establish goals, including parameters to measure the achievement of those goals, for the modernization of the infrastructure of covered agencies relating to managing the use of Federal spectrum by those agencies, which shall include—
(A) the standardization of data inputs, modeling algorithms, modeling and simulation processes, analysis tools with respect to Federal spectrum, assumptions, and any other tool to ensure interoperability and functionality with respect to that infrastructure;

(B) other potential innovative technological capabilities with respect to that infrastructure, including cloud-based databases, artificial intelligence technologies, automation, and improved modeling and simulation capabilities;

(C) ways to improve the management of covered agencies’ use of Federal spectrum through that infrastructure, including by—

(i) increasing the efficiency of that infrastructure;

(ii) addressing validation of usage with respect to that infrastructure;

(iii) increasing the accuracy of that infrastructure;

(iv) validating models used by that infrastructure; and

(v) monitoring and enforcing requirements that are imposed on covered agen-
cies with respect to the use of Federal spectrum by covered agencies;

(D) ways to improve the ability of covered agencies to meet mission requirements in congested environments with respect to Federal spectrum, including as part of automated adjustments to operations based on changing conditions in those environments;

(E) the creation of a time-based automated mechanism—

(i) to share Federal spectrum between covered agencies to collaboratively and dynamically increase access to Federal spectrum by those agencies; and

(ii) that could be scaled across Federal spectrum; and

(F) the collaboration between covered agencies necessary to ensure the interoperability of Federal spectrum.

(3) Spectrum Information Technology Modernization.—

(A) In general.—Not later than 240 days after the date of enactment of this Act, the Assistant Secretary shall submit to Congress a report that contains the plan of the
NTIA to modernize and automate the infrastructure of the NTIA relating to managing the use of Federal spectrum by covered agencies so as to more efficiently manage that use.

(B) CONTENTS.—The report required under subparagraph (A) shall include—

(i) an assessment of the current, as of the date on which the report is submitted, infrastructure of the NTIA described in that paragraph;

(ii) an acquisition strategy for the modernized infrastructure of the NTIA described in that paragraph, including how that modernized infrastructure will enable covered agencies to be more efficient and effective in the use of Federal spectrum;

(iii) a timeline for the implementation of the modernization efforts described in that paragraph;

(iv) plans detailing how the modernized infrastructure of the NTIA described in that paragraph will—

(I) enhance the security and reliability of that infrastructure so that such infrastructure satisfies the re-
quirements of the Federal Information Security Management Act of 2002 (Public Law 107–296; 116 Stat. 2135);

(II) improve data models and analysis tools to increase the efficiency of the spectrum use described in that paragraph;

(III) enhance automation and workflows, and reduce the scope and level of manual effort, in order to—

(aa) administer the management of the spectrum use described in that paragraph; and

(bb) improve data quality and processing time; and

(IV) improve the timeliness of spectrum analyses and requests for information, including requests submitted pursuant to section 552 of title 5, United States Code;

(v) an operations and maintenance plan with respect to the modernized infrastructure of the NTIA described in that paragraph;
(vi) a strategy for coordination between the covered agencies within the Policy and Plans Steering Group, which shall include—

(I) a description of—

(aa) those coordination efforts, as in effect on the date on which the report is submitted; and

(bb) a plan for coordination of those efforts after the date on which the report is submitted, including with respect to the efforts described in paragraph (4);

(II) a plan for standardizing—

(aa) electromagnetic spectrum analysis tools;

(bb) modeling and simulation processes and technologies; and

(cc) databases to provide technical interference assessments that are usable across the Federal Government as part of a common spectrum management
infrastructure for covered agencies;

(III) a plan for each covered agency to implement a modernization plan described in paragraph (4)(A) that is tailored to the particular timeline of the agency;

(vii) identification of manually intensive processes involved in managing Federal spectrum and proposed enhancements to those processes;

(viii) metrics to evaluate the success of the modernization efforts described in that paragraph and any similar future efforts; and

(ix) an estimate of the cost of the modernization efforts described in that paragraph and any future maintenance with respect to the modernized infrastructure of the NTIA described in that paragraph, including the cost of any personnel and equipment relating to that maintenance.

(4) INTERAGENCY INPUTS.—
(A) In General.—Not later than 1 year after the date of enactment of this Act, the head of each covered agency shall submit to the Assistant Secretary and the Policy and Plans Steering Group a report that describes the plan of the agency to modernize the infrastructure of the agency with respect to the use of Federal spectrum by the agency so that such modernized infrastructure of the agency is interoperable with the modernized infrastructure of the NTIA, as described in paragraph (3).

(B) Contents.—Each report submitted by the head of a covered agency under subparagraph (A) shall—

(i) include—

(I) an assessment of the current, as of the date on which the report is submitted, management capabilities of the agency with respect to the use of frequencies that are assigned to the agency, which shall include a description of any challenges faced by the agency with respect to that management;
(II) a timeline for completion of the modernization efforts described in that paragraph; and

(III) a description of potential innovative technological capabilities for the management of frequencies that are assigned to the agency, as determined under paragraph (2);

(IV) identification of agency-specific requirements or constraints relating to the infrastructure of the agency;

(V) identification of any existing, as of the date on which the report is submitted, systems of the agency that are duplicative of the modernized infrastructure of the NTIA, as proposed under paragraph (3); and

(VI) with respect to the report submitted by the Secretary of Defense—

(aa) a strategy for the integration of systems or the flow of data among the Armed Forces, the military departments, the De-
fense Agencies and Department of Defense Field Activities, and other components of the Department of Defense;

(bb) a plan for the implementation of solutions to the use of Federal spectrum by the Department of Defense involving information at multiple levels of classification; and

(cc) a strategy for addressing, within the modernized infrastructure of the Department of Defense described in that paragraph, the exchange of information between the Department of Defense and the NTIA in order to accomplish required processing of all Department of Defense domestic spectrum coordination and management activities; and

(ii) be submitted in an unclassified format, with a classified annex, as appropriate.
(C) Notification of Congress.—Upon submission of the report required under subparagraph (A), the head of each covered agency shall notify Congress that the head of the covered agency has submitted the report.

(5) GAO oversight.—The Comptroller General of the United States shall—

(A) not later than 90 days after the date of enactment of this Act, conduct a review of the infrastructure of covered agencies, as that infrastructure exists on the date of enactment of this Act;

(B) after all of the reports required under paragraph (4) have been submitted, conduct oversight of the implementation of the modernization plans submitted by the NTIA and covered agencies under paragraphs (3) and (4), respectively;

(C) not later than 1 year after the date on which the Comptroller General begins conducting oversight under subparagraph (B), and annually thereafter, submit a report regarding that oversight to—

(i) with respect to the implementation of the modernization plan of the Depart-
ment of Defense, the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives; and

(ii) with respect to the implementation of the modernization plans of all covered agencies, including the Department of Defense, the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Energy and Commerce of the House of Representatives; and

(D) provide regular briefings to—

(i) with respect to the application of this section to the Department of Defense, the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives; and

(ii) with respect to the application of this section to all covered agencies, including the Department of Defense, the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Energy and Commerce of the House of Representatives.
(b) TELECOMMUNICATIONS SECURITY PROGRAM.—

(1) PROGRAM REQUIRED.—The Secretary of Defense shall carry out a program to identify and mitigate vulnerabilities in the telecommunications infrastructure of the Department of Defense.

(2) ELEMENTS.—In carrying out the program under paragraph (1), the Secretary shall—

(A) develop a capability to communicate clearly and authoritatively about threats by foreign adversaries;

(B) conduct independent red-team security analysis of Department of Defense systems, subsystems, devices, and components including no-knowledge testing and testing with limited or full knowledge of expected functionalities;

(C) verify the integrity of personnel who are tasked with design fabrication, integration, configuration, storage, test, and documentation of noncommercial 5G technology to be used by the Department of Defense;

(D) verify the efficacy of the physical security measures used at Department of Defense locations where system design, fabrication, integration, configuration, storage, test, and documentation of 5G technology occurs;
(E) direct the Chief Information Officer of the Department of Defense to use the Federal Risk and Authorization Management Program (commonly known as “FedRAMP”) moderate or high cloud standard baselines, supplemented with the Department’s FedRAMP cloud standard controls and control enhancements, to assess 5G core service providers whose services will be used by the Department of Defense through the Department’s provisional authorization process; and

(F) direct the Defense Information Systems Agency and the United States Cyber Command to Develop a capability for continuous, independent monitoring of packet streams for 5G data on frequencies assigned to the Department of Defense to validate availability, confidentiality, and integrity of Department of Defense communications systems.

(3) IMPLEMENTATION PLAN.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a plan for the implementation of the program under paragraph (1).
(4) Report Required.—Not later than 270 days after submitting the plan under paragraph (3), the Secretary of Defense shall submit to Congress a report that includes—

(A) a comprehensive assessment of the findings and conclusions of the program under paragraph (1);

(B) recommendations on how to mitigate vulnerabilities in the Department of Defense telecommunications infrastructure; and

(C) an explanation of how the Department of Defense plans to implement such recommendations.

SEC. 224. BOARD OF DIRECTORS FOR THE JOINT ARTIFICIAL INTELLIGENCE CENTER.

(a) Establishment.—The Secretary of Defense shall establish a Board of Directors for the Joint Artificial Intelligence Center.

(b) Duties.—The duties of the Board of Directors shall be the following:

(1) Provide strategic guidance to the Director of the Joint Artificial Intelligence Center.

(2) Advise the Secretary on matters relating to the development and use of artificial intelligence by the Department of Defense.
(3) Evaluate and advise the Secretary on ethical matters relating to the development and use of artificial intelligence by the Department.

(4) Conduct long-term and long-range studies on matters relating to artificial intelligence.

(5) Evaluate and provide recommendations to the Secretary regarding the Department’s development of a robust workforce proficient in artificial intelligence.

(6) Assist the Secretary in developing strategic level guidance on artificial intelligence-related hardware procurement and supply-chain matters.

(7) Monitor and provide recommendations to the Secretary on computing power, usage, storage, and other technical matters relating to artificial intelligence.

c) Membership.—The Board of Directors shall be composed of the following members:

(1) The official within the Department of Defense to whom the Director of the Joint Artificial intelligence center directly reports.

(2) The Under Secretary of Defense for Policy.

(3) The Under Secretary of Defense for Research and Engineering.
(4) The Under Secretary of Defense for Acquisition and Sustainment.

(5) The Under Secretary of Defense for Intelligence and Security.

(6) The Under Secretary of Defense for Personnel and Readiness.

(7) Not more than five members from academic or private sector organizations outside the Department of Defense, who shall be appointed by the Secretary.

(d) CHAIRPERSON.—The chairperson of the Board of Directors shall be the official described in subsection (c)(1).

(e) MEETINGS.—The Board of Directors shall meet not less than once each fiscal quarter and may meet at other times at the call of the chairperson or a majority of the Board’s members.

(f) REPORTS.—Not later than September 30 of each year through September 30, 2024, the Board of Directors shall submit to the congressional defense committees a report that summarizes the activities of the Board over the preceding year.

(g) DEFINITIONS.—In this section:

(1) The term “artificial intelligence” has the meaning given that term in section 238(g) of the
John S. McCain National Defense Authorization Act
for Fiscal Year 2019 (Public Law 115–232; 10

(2) The term “Board of Directors” means the
Board of Directors established under subsection (a).

(3) The term “Joint Artificial Intelligence Cen-
ter” means the Joint Artificial Intelligence Center of
the Department of Defense established pursuant to
the memorandum of the Secretary of Defense dated
June 27, 2018, and titled “Establishment of the
Joint Artificial Intelligence Center”, or any suc-
cessor to such Center.

(4) The term “Secretary” means the Secretary
of Defense.

SEC. 225. DIRECTED ENERGY WORKING GROUP.

(a) IN GENERAL.—The Secretary of Defense shall es-
tablish a working group, to be known as the “Directed
Energy Working Group”.

(b) RESPONSIBILITIES.—The working group shall—

(1) discuss the current and planned directed en-
ergy programs of each of the military departments;

(2) make recommendations to the Secretary of
Defense about establishing memoranda of under-
standing among the organizations and elements of
the Department of Defense to coordinate directed
energy activities using amounts authorized to be appropriated for research, development, test, and evaluation;

(3) identify methods of quickly fielding directed energy capabilities and programs; and

(4) develop a compendium on the effectiveness of directed energy weapon systems and integrate the compendium into an overall Joint Effectiveness Manual under the guidance from the Joint Technical Coordination Group for Munitions Effectiveness.

(c) HEAD OF WORKING GROUP.—The head of the working group shall be the Assistant Director of Directed Energy of the Office of the Under Secretary of Defense for Research and Engineering.

(d) MEMBERSHIP.—The members of the working group shall be appointed by not later than 60 days after the date of the enactment of this Act, as follows:

(1) One member from each military department, appointed by the Secretary of the military department concerned.

(2) One member appointed by the Under Secretary of Defense for Research and Engineering.

(3) One member appointed by the Under Secretary of Defense for Acquisition and Sustainment.
(4) One member appointed by the Director of
the Strategic Capabilities Office of the Department
of Defense.

(5) One member appointed by the Director of
the Defense Advanced Research Projects Agency.

(c) REPORTS TO CONGRESS.—Not later than 180
days after the date of the enactment of this Act, and not
less frequently than once every 180 days thereafter, the
working group shall submit to the congressional defense
committees a report on the progress of each directed en-
ergy program being developed or fielded by the Depart-
ment of Defense.

(f) TERMINATION.—The working group under this
section shall terminate four years after the date of the
enactment of this Act.

SEC. 226. PROGRAM EXECUTIVE OFFICER FOR AUTONOMY.

(a) IN GENERAL.—Not later than February 1, 2022,
the Secretary of the Navy shall designate a program exec-
utive officer for autonomy who shall be the official within
the Department of the Navy with primary responsibility
for the development and integration of autonomous tech-
nology into weapon systems.

(b) PROGRAM EXECUTIVE OFFICER DEFINED.—In
this section, the term “program executive officer” has the
meaning given that term in section 1737(a)(4) of title 10, United States Code.

SEC. 227. ACCOUNTABILITY MEASURES RELATING TO THE ADVANCED BATTLE MANAGEMENT SYSTEM.

(a) INDEPENDENT COST ESTIMATE.—

(1) IN GENERAL.—The Director of Cost Assessment and Program Evaluation shall—

(A) review any cost estimate of the Advanced Battle Management System prepared by the Department of the Air Force; and

(B) conduct an independent cost estimate of the full life-cycle cost of the Advanced Battle Management System.

(2) SUBMITTAL TO CONGRESS.—At the same time as the budget of the President for fiscal year 2022 is submitted to Congress pursuant to section 1105(a) of title 31, United States Code, the Director of Cost Assessment and Program Evaluation shall submit to the congressional defense committees a report on the results of the review and independent cost estimate conducted under paragraph (1).

(b) AIR FORCE BRIEFING REQUIREMENT.—Section 147(g) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 STAT. 1670) is amended by adding at the end the
following: “Each briefing shall include a detailed expla-
nation of any on-ramp exercise of the Advanced Battle
Management System conducted during the quarter cov-
ered by the report, including an explanation of—

“(1) the objectives achieved by the exercise;

“(2) the realism of the exercise, including iden-
tification of the portions of the exercise that were
scripted and unscripted and any technical
workarounds or substitutes used for purposes of the
exercise;

“(3) the interim capabilities provided to com-
batant commanders after the conclusion of the exer-
cise (commonly known as ‘leave behind’ capabilities)
and a plan for the sustainment or upgrade of such
capabilities; and

“(4) the total cost of the exercise and a break-
down of the costs with respect to technology, range
and demonstration resources, personnel, and logis-
tics.”.

(e) REPORTS.—Not later than December 20, 2020,
the Secretary of the Air Force shall submit to the congres-
sional defense committees the following reports on the Ad-
vanced Battle Management System:
(1) REPORT ON PLANNED CAPABILITIES.—A report on the planned product line capabilities of the Advanced Battle Management System, including—

(A) a description of the technologies needed to implement and achieve such product line capabilities;

(B) a timeline for the technical maturation of such product line capabilities; and

(C) a notional schedule for fielding such product line capabilities over the period covered by the current future-years defense program under section 221 of title 10, United States Code.

(2) REPORT ON ACQUISITION AUTHORITIES.—A report on the allocation of responsibilities among the individuals and entities responsible for acquisition for the Advanced Battle Management System, including an explanation of how decision-making and governance of the acquisition process is allocated among the Chief Architect Integration Office and other entities that are expected provide capabilities for the System.

(3) REPORT ON ALIGNMENT WITH COMMON MISSION CONTROL CENTER.—A report, which may be submitted in classified or unclassified form, that
explains how, and to what extent, the Advanced Battle Management System will be aligned and coordinated with the Common Mission Control Center of the Air Force.

(d) REPORT ON SECURITY MEASURES.—At the same time as the budget of the President for fiscal year 2022 is submitted to Congress pursuant to section 1105(a) of title 31, United States Code, the Secretary of the Air Force shall submit to the congressional defense committees a report that describes how the Secretary plans to ensure the security of the Advanced Battle Management System, including a description of any information assurance and anti-tamper requirements for the System.

(e) ADVANCED BATTLE MANAGEMENT SYSTEM DEFINED.—In this section, the term “Advanced Battle Management System” has the meaning given that term in section 236(c) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1281).

SEC. 228. MEASURES TO ADDRESS FOREIGN TALENT PROGRAMS.

(a) LIST OF PROGRAMS.—The Secretary of Defense shall develop and maintain a list of foreign talent programs that pose a threat to the national security interests of the United States, as determined by the Secretary.
(b) CRITERIA.—In developing the list under subsection (a), the Secretary of Defense shall consider—

(1) the extent to which a foreign talent program—

(A) poses a threat to research funded by the Department of Defense; and

(B) engages in, or facilitates, cyber attacks, theft, espionage, or otherwise interferes in the affairs of the United States; and

(2) any other factors the Secretary determines appropriate.

(c) INFORMATION TO CONGRESS.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a copy of the list developed under subsection (a).

(d) PUBLICATION IN FEDERAL REGISTER.—Not later than 30 days after making the submission required under subsection (c), the Secretary of Defense shall publish the list developed under subsection (a) in the Federal Register.

(e) NOTICE AND COMMENT PERIOD.—The list developed under subsection (a), and any guidance, rules, updates, or other requirements relating to such list, shall not take effect until such list, or any such guidance, rules, up-
dates, or other requirements (as the case may be) have been—

(1) published in the Federal Register; and

(2) open for public comment for a period of not less than 60 days.

(f) FOREIGN TALENT PROGRAM DEFINED.—In this section, the term “foreign talent program” has the meaning given that term for purposes of section 1286 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. 2358 note).

SEC. 229. DISCLOSURE OF FOREIGN FUNDING SOURCES IN APPLICATIONS FOR FEDERAL RESEARCH AWARDS.

(a) DISCLOSURE REQUIREMENT.—Each Federal research agency shall require—

(1) any individual applying for funds from that agency as a principal investigator or co-principal investigator under a grant or cooperative agreement to disclose all current and pending support and the sources of such support at the time of the application for funds; and

(2) any institution of higher education applying for funds from that agency to certify that every principal investigator or co-principal investigator

who is employed by the institution of higher education and is applying for such funds has been made aware of the requirement under paragraph (1).

(b) CONSISTENCY.—The Director of the Office of Science and Technology Policy, acting through the National Science and Technology Council and in accordance with the authority provided under section 1746 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 42 U.S.C. 6601 note) shall ensure that the requirements issued by Federal research agencies under subsection (a) are consistent.

(c) ENFORCEMENT.—

(1) IN GENERAL.—In the event that an individual or entity violates the disclosure requirements under subsection (a), a Federal research agency may take one or more of the following actions against such individual or entity:

(A) Reject an application for a grant or cooperative agreement because the disclosed current and pending support violates agency terms and conditions.

(B) Reject an application for a grant or cooperative agreement because current and pending support have not been disclosed as required under subsection (a).
(C) Temporarily or permanently discontinue any or all funding from that agency for any principal investigator or co-principal investigator who has failed to properly disclose current and pending support pursuant to subsection (a).

(D) Temporarily or permanently suspend or debar a researcher, in accordance with part 180 of title 2, Code of Federal Regulations, from receiving funding from that agency when failure to disclose current and pending support pursuant to subsection (a) as done knowingly and willfully.

(E) Refer a failure to disclose under subsection (a) to Federal law enforcement authorities to determine whether any criminal statutes have been violated.

(2) NOTICE.—A Federal research agency intending to take action under any of subparagraphs (A), (B), (C), or (D) of paragraph (1) shall notify the institution of higher education, principal investigator and any co-principal investigators subject to such action about the specific reason for the action, and shall provide the institution, principal investigator, and co-principal investigator, as applicable,
with the opportunity and a process by which to contest the proposed action.

(3) EVIDENTIARY STANDARDS.—A Federal research agency seeking suspension or debarment under paragraph (1)(D) shall abide by the procedures and evidentiary standards set forth in part 180 of title 2, Code of Federal Regulations.

(d) DEFINITIONS.—In this section:

(1) CURRENT AND PENDING SUPPORT.—The term “current and pending support” means all resources made available to an individual in direct support of the individual’s research efforts, regardless of whether such resources have monetary value, and includes in-kind contributions requiring a commitment of time and directly supporting the individual’s research efforts, such as the provision of office or laboratory space, equipment, supplies, employees, and students.

(2) INSTITUTION OF HIGHER EDUCATION.—The term “institution of higher education” has the meaning given that term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

(3) FEDERAL RESEARCH AGENCY.—The term “Federal research agency” includes the following and any organizations and elements thereof:
(A) The Department of Agriculture.
(B) The Department of Commerce.
(C) The Department of Defense.
(D) The Department of Education.
(E) The Department of Energy.
(F) The Department of Health and Human Services.
(G) The Department of Homeland Security.
(H) The Department of Transportation.
(I) The Environmental Protection Agency.
(J) The National Aeronautics and Space Administration.
(K) The National Science Foundation.

SEC. 230. LIMITATIONS RELATING TO LARGE UNMANNED SURFACE VESSELS AND ASSOCIATED OFFENSIVE WEAPON SYSTEMS.

(a) LIMITATION ON AVAILABILITY OF FUNDS FOR LUSV.—

(1) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Department of the Navy for the procurement of a large unmanned surface vessel may be obligated or expended until a period of 60 days has elapsed following the date on
which the Secretary of the Navy submits to the congressional defense committees the certification described in paragraph (2).

(2) CERTIFICATION DESCRIBED.—The certification described in this paragraph is a written statement of the Secretary of the Navy certifying, with respect to any large unmanned surface vessel to be procured by the Secretary, the following:

(A) A hull system, a mechanical system, and an electrical system have been developed for the vessel and each system—

(i) has attained a technology readiness level of seven or greater; and

(ii) can be operated autonomously for a minimum of 30 days.

(B) A command control system has been developed for the vessel and the system—

(i) can be operated autonomously;

(ii) includes autonomous detection; and

(iii) has attained a technology readiness level of seven or greater.

(C) A detailed plan has been developed for measuring and demonstrating the reliability of the vessel.
(D) All payloads expected to be carried on the vessel have attained a technology readiness level of seven or greater.

(b) LIMITATION ON LUSV WEAPON INTEGRATION.—The Secretary of the Navy may not integrate any offensive weapon system into a large unmanned surface vessel until the date on which the Secretary of the Defense certifies to the congressional defense committees that any large unmanned surface vessel that employs offensive weapons will comply with the law of armed conflict. Such certification shall include a detailed explanation of how such compliance will be achieved.

SEC. 231. LIMITATION ON AVAILABILITY OF FUNDS PENDING REVIEW AND REPORT ON NEXT GENERATION AIR DOMINANCE CAPABILITIES.

(a) LIMITATION ON AIR FORCE FUNDS.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the next generation air dominance initiative of the Air Force, not more than 85 percent may be obligated or expended until the date on which the Director of Cost Assessment and Program Evaluation submits the report required under subsection (d)(1).

(b) LIMITATION ON NAVY FUNDS.—Of the funds authorized to be appropriated by this Act or otherwise made
available for fiscal year 2021 for the next generation air
dominance initiative of the Navy, not more than 85 per-
cent may be obligated or expended until the date on which
the Director of Cost Assessment and Program Evaluation
submits the report required under subsection (d)(2).

(c) Reviews.—

(1) IN GENERAL.—The Director of Cost Assess-
ment and Program Evaluation shall conduct—

(A) a non-advocate review of the next gen-
eration air dominance initiative of the Air
Force; and

(B) a non-advocate review of the next gen-
eration air dominance initiative of the Navy.

(2) ELEMENTS.—Each review under paragraph
(1) shall include an assessment of—

(A) all risks associated with cost, schedule,
development, integration, production, fielding,
and sustainment of next generation air domi-
inance capabilities;

(B) the technological maturity of signifi-
cant hardware and software efforts planned or
carried out as part of the development of such
capabilities; and

(C) affordability goals that the Air Force
and the Navy (as the case may be) will be re-
quired to achieve during development, produc-

tion, and sustainment activities for such capa-
bilities that will not jeopardize or otherwise be
detrimental to other high-priority future capa-
bilities being developed and procured to support
and execute other primary core competencies
and missions.

(d) REPORTS.—The Director of Cost Assessment and
Program Evaluation shall submit to the congressional de-
defense committees—

(1) a report on the results of the review con-
ducted under subsection (c)(1)(A) with respect to
the Air Force; and

(2) a report on the results of the review con-
ducted under subsection (c)(1)(B) with respect to
the Navy.

Subtitle C—Emerging Technology and Artificial Intelligence Matters

SEC. 241. STEERING COMMITTEE ON EMERGING TECHNOLOGY.

(a) ESTABLISHMENT.—There is established in the ex-
cecutive branch a steering committee on emerging tech-
nology and national security threats (referred to in this
section as the “Steering Committee”).
(b) MEMBERSHIP.—The Steering Committee shall be composed of the following:

(1) The Deputy Secretary of Defense.

(2) The Vice Chairman of the Joint Chiefs of Staff.

(3) The Under Secretary of Defense for Intelligence and Security.

(4) Such other officials of the Department of Defense as are jointly appointed to Steering Committee by the officials specified in paragraphs (1) through (3).

c) CO-CHAIRS.—The officials specified in paragraphs (1) through (3) of subsection (b) shall serve as co-chairs of the Steering Committee.

d) STAFF AND SUPPORT SERVICES.—Upon request of the co-chairs, the Department of Defense shall provide to the Steering Committee, on a reimbursable basis, such staff and administrative support services as are necessary for the Committee to carry out its responsibilities under this section.

e) RESPONSIBILITIES.—The Steering Committee shall be responsible for—

(1) developing a strategic vision for the organizational change, concept and capability development, and technology investments in emerging technologies
that are needed to maintain the technological edge
of the military and intelligence community of the
United States;

(2) providing credible assessments of emerging
threats and identifying investments and advances in
emerging technology undertaken by adversaries of
the United States;

(3) making recommendations to the Secretary
of Defense on—

(A) the implementation of the strategy de-
veloped under to paragraph (1); and

(B) steps that may be taken to address the
threats identified under to paragraph (2);

(4) coordinating with the Joint Committee on
Research Environments of the National Science and
Technology Council; and

(5) carrying out such other activities as are as-
signed to the Steering Committee by the Secretary
of Defense.

(f) COORDINATION WITH JAIC.—The co-chairs shall
coordinate the activities of the Steering Committee with
the activities of the Board of Directors of the Joint Artifi-
cial Intelligence Center established under section 224, as
appropriate.
(g) **EMERGING TECHNOLOGY DEFINED.**—In this section, the term “emerging technology” means technology determined to be in an emerging phase of development by the Secretary of Defense, including quantum computing, technology for the analysis of large and diverse sets of data (commonly known as “big data analytics”), artificial intelligence, autonomous technology, robotics, directed energy, hypersonics, biotechnology, and such other technology as may be identified by the Secretary.

**SEC. 242. TRAINING FOR HUMAN RESOURCES PERSONNEL IN ARTIFICIAL INTELLIGENCE AND RELATED TOPICS.**

(a) **DEPARTMENT OF DEFENSE.**—

(1) **TRAINING PROGRAM.**—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall develop and implement a program to provide covered human resources personnel with training in the fields of software development, data science, and artificial intelligence, as such fields related to the duties of such personnel.

(2) **ELEMENTS.**—The training provided under paragraph (1) shall include—

(A) a generalist’s introduction to—

(i) software development and business processes;
(ii) data management practices related to machine learning;

(iii) machine learning, deep learning, and artificial intelligence;

(iv) artificial intelligence workforce roles; and

(v) cybersecurity and secure software development; and

(B) training in the authorities and procedures that may be used to recruit software developers, data scientists, and artificial intelligence professionals, including direct hiring authorities, excepted service authorities, the Intergovernmental Personnel Act of 1970 (42 U.S.C. 4701 et seq.), and authorities for hiring special government employees and highly qualified experts.

(3) CERTIFICATE OF COMPLETION.—The Secretary of Defense shall issue a certificate of completion to each individual who successfully completes the training provided under paragraph (1), as determined by the Secretary.

(4) IMPLEMENTATION.—The Secretary of Defense shall implement the training program under paragraph (1) as follows:
(A) In the first year in which the training program is carried out, the Secretary shall ensure that not less than 20 percent of covered human resource personnel complete the program.

(B) In each year of the training program after the first year, the Secretary shall ensure that not less than an additional 10 percent of covered human resources personnel complete the program until 80 percent of such personnel have completed the program.

(C) After achieving the 80 percent completion rate specified in subparagraph (B), the Secretary shall ensure, in each year, that not less than 80 percent of covered human resources personnel have completed the training program.

(b) Covered Human Resources Personnel Defined.—In this section, the term “covered human resources personnel” means members of the Armed Forces and civilian employees of the Department of Defense, including human resources professionals, hiring managers, and recruiters, who are responsible for hiring software developers, data scientists, or artificial intelligence professionals for the Department.
SEC. 243. UNCLASSIFIED WORKSPACES FOR PERSONNEL
WITH PENDING SECURITY CLEARANCES.

(a) GUIDANCE REQUIRED.—Not later than 180 days
after the date of the enactment of this Act, the Secretary
of Defense shall issue guidance to ensure, to the extent
practicable, that all facilities the Department of Defense
at which covered personnel perform work functions have
unclassified workspaces.

(b) USE OF WORKSPACES BY OTHER PERSONNEL.—
The guidance issued under subsection (a) shall include
guidelines under which appropriately screened individuals
other than covered personnel, such as interns and visiting
experts, may use unclassified workspaces on a space-avail-
able basis.

(c) REPORT REQUIRED.—Not later than 90 days
after the issuance of the guidance under subsection (a),
the Secretary of Defense shall submit to the congressional
defense committees a report that includes—

(1) a plan for implementing the guidance;

(2) a description of how existing facilities may
be modified to accommodate unclassified workspaces;

and

(3) identification of any impediments to making
unclassified workspace available as described in sub-
section (a).

(d) DEFINITIONS.—
(1) In this section, the term “unclassified workspace” means a workspace at which unclassified work may be performed.

(2) The term “covered personnel” means a member of the Armed Forces or a civilian employee of the Department of Defense who has applied for, but who has not yet received, a security clearance.

SEC. 244. PILOT PROGRAM ON THE USE OF ELECTRONIC PORTFOLIOS TO EVALUATE APPLICANTS FOR CERTAIN TECHNICAL POSITIONS.

(a) PILOT PROGRAM.—Beginning not later than one year after the date of the enactment of this Act, the Secretary of Defense shall carry out a pilot program under which applicants for technical positions within the Department of Defense will be evaluated, in part, based on electronic portfolios of the applicant’s work, as described in subsection (b).

(b) ACTIVITIES.—Under the pilot program, the human resources manager of an organization of the Department of Defense participating in the program, in consultation with relevant subject matter experts, shall assess each applicant for a technical position in the organization by reviewing an electronic portfolio of the applicant’s best work, as selected by the applicant.
(c) Scope of Program.—The Secretary of Defense shall carry out the pilot program under subsection (a) in at least one major command of each military department.

(d) Report.—Not later than two years after the commencement of the pilot program under subsection (a), the Secretary of Defense shall submit to the congressional defense committees a report on the results of the program. At a minimum, the report shall describe—

(1) how the use of electronic portfolios in the hiring process affected the timeliness of the hiring process for technical positions in organizations of the Department of Defense participating in the program;

(2) the level of satisfaction of organization leaders, hiring authorities, and subject matter experts with the quality of applicants that were hired based on evaluations of electronic portfolios.

(e) Technical Position Defined.—In this section, the term “technical position” means a position in the Department of Defense requiring expertise in artificial intelligence, data science, or software development.

(f) Termination.—The authority to carry out the pilot program under subsection (a) shall terminate five years after the date of the enactment of this Act.
SEC. 245. SELF-DIRECTED TRAINING IN ARTIFICIAL INTELLIGENCE.

(a) Online Artificial Intelligence Courses.—The Secretary of Defense shall make available a list of approved online courses relating to artificial intelligence that may be taken by civilian employees of the Department of Defense and members of the Armed Forces on a voluntary basis while not engaged in the performance of their duties.

(b) Documentation of Completion.—The Secretary of Defense shall develop and implement a system—

(1) to confirm whether a civilian employee of the Department of Defense or member of the Armed Forces has completed an online course approved by the Secretary under paragraph (1); and

(2) to document the completion of such course in the personnel file of such employee or member.

(c) Reward System.—The Secretary of Defense shall develop and implement a system to reward civilian employees of the Department of Defense and members of the Armed Forces who complete an online course approved by the Secretary under paragraph (1), which may include—

(1) for a member of the Armed Forces, a 24-hour pass which may be used on a stand-alone basis
or in conjunction with other leave, holiday, or weekend periods; and

(2) for a civilian employees of the Department, up to 8 hours of additional leave.

(d) DEADLINE.—The Secretary of Defense shall carry out the activities described in subparagraphs (a) through (c) not later than 180 days after the date of the enactment of this Act.

SEC. 246. PART-TIME AND TERM EMPLOYMENT OF UNIVERSITY PROFESSORS AND STUDENTS IN THE DEFENSE SCIENCE AND TECHNOLOGY ENTERPRISE.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, jointly with the Secretaries of the military departments, and in consultation with the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Personnel and Readiness, shall establish a program under which qualified professors and students may be employed on a part-time or term basis in an organization of the Defense science and technology enterprise for the purpose of conducting a research project.

(b) SELECTION.—
(1) **Selection and Hiring.**—The head of an organization in the Defense science and technology enterprise at which positions are made available under subsection (a) shall be responsible for selecting qualified professors and students to fill such positions.

(2) **Selection Criteria.**—A qualified professor or student shall be selected for participation in the program under subsection (a) based on the following criteria:

(A) In the case of a qualified professor—

(i) the academic credentials and research experience of the professor; and

(ii) the extent to which the research proposed to be carried out by the professor will contribute to the objectives of the Department of Defense.

(B) In the case of qualified student assisting a professor with a research project under the program—

(i) the academic credentials and other qualifications of the student; and

(ii) the ability of the student to carry out the responsibilities assigned to the student as part of the project.
(c) IMPLEMENTATION.—

(1) MINIMUM NUMBER OF POSITIONS.—In the first year of the program under subsection (a), the Secretary of Defense shall establish not fewer than 10 positions for qualified professors. Not fewer than five of such positions shall be reserved for qualified professors to conduct research in the fields of artificial intelligence and machine learning.

(2) AUTHORITIES.—In carrying out the program under subsection (a), the Secretary of Defense and the heads of organizations in the Defense science and technology enterprise may—

(A) use any hiring authority available to the Secretary or the head of such an organization;

(B) enter into cooperative research and development agreements under section 12 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3710a); and

(C) pay referral bonuses to professors or students participating in the program who identify—

(i) students to assist in a research project under the program; or
(ii) students or recent graduates to participate in other programs in the Defense science and technology enterprise, including internships at Department of Defense Laboratories and in the Pathways Program of the Department.

(d) REPORTS TO CONGRESS.—

(1) INITIAL REPORT.—Not later than 30 days after the conclusion of the first year of the program under subsection (a), the Secretary of Defense shall submit to the congressional defense committees a report on the status of the program. The report shall include—

(A) identification of the number of qualified professors and students employed under the program;

(B) identification of the organizations in the Defense science and technology enterprise that employed such individuals; and

(C) a description of the types of research conducted by such individuals.

(2) SUBSEQUENT REPORTS.—Not later than 30 days after the conclusion of the second and third years of the program under subsection (a), the Secretary of Defense shall submit to the congressional
defense committees a report on the progress of the
program. Each report shall include—

(A) the information described in subpara-
graphs (A) through (C) of paragraph (1);

(B) the results of any research projects
conducted under the program; and

(C) the number of students and recent
graduates who, pursuant to a reference from a
professor or student participating in the pro-
gram as described in subsection (c)(2)(C), were
hired by the Department of Defense or selected
for participation in another program in the De-
fense science and technology enterprise.

(e) DEFINITIONS.—In this section:

(1) The term “Defense science and technology
enterprise” means—

(A) the research organizations of the mili-
tary departments;

(B) the science and technology reinvention
laboratories (as designated under section 1105
of the National Defense Authorization Act for
Fiscal Year 2010 (Public Law 111–84; 10
U.S.C. 2358 note));
(C) the facilities of the Major Range and Test Facility Base (as defined in section 2358a(f)(3) of title 10, United States Code);

(D) the Defense Advanced Research Projects Agency; and

(E) such other organizations as the Secretary of Defense determines appropriate for inclusion in the enterprise.

(2) The term “institution of higher education” has the meaning given that term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

(3) The term “qualified professor” means a professor of an institution of higher education who has expertise in science, technology, engineering, and mathematics.

(4) The term “qualified student” means a student of an institution of higher education selected by a qualified professor to assist the professor in conducting research.

**SEC. 247. MICROELECTRONICS AND NATIONAL SECURITY.**

(a) Modification of Strategy for Assured Access to Trusted Microelectronics.—Section 231 of the National Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328; 10 U.S.C. 2302 note) is amended—

(1) in subsection (a), by striking “September 30, 2019” and inserting “December 30, 2020”;

(2) in subsection (b), by adding at the end the following new paragraphs:

“(10) An approach to ensuring the continuing production of cutting-edge microelectronics for national security needs, including state-of-the-art node sizes, heterogeneous integration, boutique chip designs, and variable volume production capabilities.

“(11) An assessment of current microelectronics supply chain management practices, existing risks, and actions that may be carried out to mitigate such risks by organizations in the defense industrial base.

“(12) A plan for increasing commercialization of intellectual property developed by the Department of Defense for commercial microelectronics research and development.

“(13) An assessment of the feasibility, usefulness, efficacy, and cost of—

“(A) developing a national laboratory exclusively focused on the research and development of microelectronics to serve as a center for
Federal Government expertise in high-performing, trusted microelectronics and as a hub for Federal Government research into breakthrough microelectronics-related technologies; and

“(B) incorporating into such national laboratory a commercial incubator to provide early-stage microelectronics startups, which face difficulties scaling due to the high costs of microelectronics design and fabrication, with access to funding resources, fabrication facilities, design tools, and shared intellectual property.

“(14) Such other matters as the Secretary of Defense determines to be relevant.”;

(3) in subsection (d), by striking “September 30, 2019” and inserting “December 30, 2020”; and

(4) in subsection (e), by striking “September 30, 2019” and inserting “December 30, 2020”.

(b) ADVISORY PANEL ON MICROELECTRONICS LEADERSHIP AND COMPETITIVENESS.—

(1) ESTABLISHMENT.—Not later than 30 days after the date of the enactment of this Act, the President, in consultation with the National Security Council, the National Economic Council, and the Office of Science and Technology Policy, shall establish
an advisory panel on microelectronics leadership and
competitiveness (referred to in this subsection as the
“Advisory Panel”).

(2) Membership.—The Advisory Panel shall
be composed of the following members:

(A) The Secretary of Defense.

(B) The Secretary of Energy.

(C) The Director of the National Science
Foundation.

(D) The Director of the National Institute
of Standards and Technology.

(E) The heads of such other departments
and agencies of the Federal Government as the
President, in consultation with the National Se-
curity Council, determines appropriate.

(3) National Strategy.—

(A) In general.—Not later than 180
days after the date on which the Advisory Panel
is established, the Panel shall develop a na-
tional strategy to—

(i) accelerate the development and de-
ployment of state-of-the-art microelec-
tronics; and
(ii) ensure that the United States is a global leader in the field of microelectronics.

(B) ELEMENTS.—The strategy developed under subparagraph (A) shall address the following:

(i) Activities that may be carried out to strengthen engagement and outreach between the Department of Defense and industry, academia, international partners of the United States, and other departments and agencies of the Federal Government on issues relating to microelectronics.

(ii) Science, technology, research, and development efforts to facilitate the advancement and adoption of microelectronics and new uses of microelectronics and components, including efforts to—

(I) accelerate leap-ahead research, development, and innovation in microelectronics; and

(II) deploy heterogeneously integrated microelectronics for machine learning and other applications.
(iii) The role of diplomacy and trade in maintaining the position of the United States as a global leader in the field of microelectronics, including the feasibility and advisability of—

(I) implementing multilateral export controls tailored through direct coordination with key allies of the United States, including through the Wassenaar Arrangement and other multilateral fora, for specific semiconductor manufacturing equipment such as extreme ultraviolet photolithography equipment and argon fluoride immersion photolithography equipment;

(II) additional trade enforcement actions that may be initiated by the United States to address any unfair or excessive foreign semiconductor subsidy programs or other unfair microelectronics trade practices; and

(III) the elimination of any trade barriers or unilateral export controls that harm United States companies
without producing a substantial benefit to the competitiveness or national security of the United States.

(iv) The potential role of a national laboratory and incubator exclusively focused on the research and development of microelectronics, as described in section 231(b)(13) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2302 note) (as added by subsection (a)) in carrying out the strategy and plan required subparagraph (A).

(v) Such other activities as the Panel determines may be appropriate to overcome looming challenges to the innovation, competitiveness, and supply chain integrity of the United States in the area of microelectronics.

(c) BRIEFINGS.—Not later than 90 days after the date of the enactment of this Act—

(1) the Secretary of Defense shall provide to the congressional defense committees a briefing on the progress of the Secretary in developing the strategy and implementation plan required under section
231(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2302 note); and

(2) the Assistant to the President for National Security Affairs shall provide to the congressional defense committees a briefing on the progress of the Advisory Panel in developing the strategy required under subsection (b)(3).

SEC. 248. ACQUISITION OF ETHICALLY AND RESPONSIBLY DEVELOPED ARTIFICIAL INTELLIGENCE TECHNOLOGY.

(a) ASSESSMENT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, acting through the Board of Directors of the Joint Artificial Intelligence Center established under section 224, shall conduct an assessment to determine whether the Department of Defense has the ability to ensure that any artificial intelligence technology acquired by the Department is ethically and responsibly developed.

(b) ELEMENTS.—The assessment conducted under paragraph (1) shall address the following:

(1) Whether the Department of Defense has personnel with sufficient expertise, across multiple disciplines, to ensure the acquisition of ethically and
responsibly developed artificial intelligence technology, including personnel with sufficient ethical, legal, and technical expertise to advise on the acquisition of such technology.

(2) The feasibility and advisability of retaining outside experts as consultants to assist the Department in filling any gaps in expertise identified under paragraph (1).

(3) The extent to which existing acquisition processes encourage or require consultation with relevant experts across multiple disciplines within the Department to ensure that artificial intelligence technology acquired by the Department is ethically and responsibly developed.

(4) Quantitative and qualitative standards for assessing the extent to which experts across multiple disciplines are engaged in the acquisition of artificial intelligence technology by the Department.

(c) REPORT.—

(1) IN GENERAL.—Not later than 30 days after the date on which the Secretary completes the assessment under subsection (a), the Secretary shall submit to the congressional defense committees a report on the results of the assessment.
(2) ELEMENTS.—The report under paragraph (1) shall include, based on the results of the assessment—

(A) an explanation of whether the Department of Defense has personnel with sufficient expertise, across multiple disciplines, to ensure the acquisition of ethically and responsibly developed artificial intelligence technology;

(B) an explanation of whether the Department has adequate procedures to encourage or require the consultation of such experts as part of the acquisition process for artificial intelligence technology; and

(C) with respect to any deficiencies identified under subparagraph (A) or subparagraph (B), a description of any measures that have been taken, and any additional resources that may be needed, to mitigate such deficiencies.

SEC. 249. ENHANCEMENT OF PUBLIC-PRIVATE TALENT EXCHANGE PROGRAMS IN THE DEPARTMENT OF DEFENSE.

(a) PUBLIC-PRIVATE TALENT EXCHANGE.—Section 1599g of title 10, United States Code is amended—

(1) in subsection (b)(1), by amending subparagraph (C) to read as follows:
“(C) shall contain language ensuring that such employee of the Department does not improperly use information that such employee knows relates to a Department acquisition, or procurement for the benefit or advantage of the private-sector organization.”.

(2) in subsection (f)—

(A) in paragraph (2)—

(i) by striking “is deemed to be an employee of the Department of Defense for the purposes of” and inserting “is subject to”;

(ii) by striking subparagraph (D);

(iii) by redesignating subparagraphs (E) and (F) as subparagraphs (D) and (E), respectively;

(B) by striking paragraph (4);

(C) by redesignating paragraph (5) as paragraph (4); and

(D) by adding at the end the following new paragraph:

“(5) shall be required to file a Public Financial Disclosure Report (OGE Form 278) and the Public Financial Disclosure Report for a such a person and a description of any waivers provided to such person
shall be made available on a publicly accessible website of the Department of Defense.”.

(b) Application of Exchange Authority to Artificial Intelligence.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall take steps to ensure that the authority for the Department of Defense to operate a public-private talent exchange program pursuant to section 1599g of title 10, United States Code, is used to exchange personnel with private sector entities working on artificial intelligence applications. Such application of the authority of section 1599g shall be in addition to, not in lieu of, any other application of such authority by the Department of Defense.

(c) Goals for Program Participation.—In carrying out the requirement of subsection (b), the Secretary shall seek to achieve the following objectives:

(1) In the Secretary of Defense Executive Fellows program, the nomination of an additional five uniformed service members and three government civilians by each service and by the Office of the Secretary of Defense, for sponsorship by private sector entities working on artificial intelligence applications.
(2) For the public-private talent exchange program of the Under Secretary of Defense for Acquisition and Sustainment—

(A) an additional ten government employees to work with private sector entities working on artificial intelligence applications; and

(B) an additional ten employees of private sector entities working on artificial intelligence applications to work in the Department.

(3) The establishment of the following new public-private talent exchange programs in the Office of the Secretary of Defense, comparable to the program referred to in paragraph (2)—

(A) in the office of the Undersecretary of Defense for Research and Engineering, a program with twenty participants, focused on exchanges with private sector entities working on artificial intelligence applications.

(B) in the office of the Chief Information Officer of the Department of Defense, a program with twenty participants, focused on exchanges with private sector entities working on artificial intelligence applications.

(4) In the Army, Navy, and Marine Corps, the establishment of new public-private exchange pro-
grams, comparable to the Air Force Education with Industry Program, each with twenty program participants, focused on private sector entities working on artificial intelligence applications.

(d) TREATMENT OF PROGRAM PARTICIPANTS.—

(1) The Army, Navy, and Marine Corps shall take steps to ensure that participation by a service member in a program described in subsection (c)(4) is treated, for purposes of promotion boards and subsequent assignments, as equivalent to attending resident professional military education.

(2) The Secretary of Defense shall establish a public-private exchange program billet office to temporarily hold billets for civilian employees who participate in programs described in subsection (b), to ensure that participating Department of Defense offices are able to retain their staffing levels during the period of participation.

(e) BRIEFING ON EXPANSION OF EXISTING EXCHANGE PROGRAMS.—Not later than 180 days after the date of the enactment of this Act, and annually thereafter, the Secretary of Defense shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing on the efforts undertaken to expand existing public-private exchange programs of the Depart-
ment of Defense and to ensure that such programs seek opportunities for exchanges with private sector entities working on artificial intelligence applications, in accordance with the requirements of this section.

Subtitle D—Sustainable Chemistry Research and Development

SEC. 251. SHORT TITLE.

This subtitle may be cited as the “Sustainable Chemistry Research and Development Act of 2020”.

SEC. 252. FINDINGS.

Congress finds that—

(1) Congress recognized the importance and value of sustainable chemistry in section 114 of the American Innovation and Competitiveness Act (Public Law 114–329);

(2) sustainable chemistry and materials transformation is a key value contributor to business competitiveness across many industrial and consumer sectors;

(3) companies across hundreds of supply chains critical to the American economy are seeking to reduce costs and open new markets through innovations in manufacturing and materials, and are in need of new innovations in chemistry, including sustainable chemistry;
(4) sustainable chemistry can improve the efficiency with which natural resources are used to meet human needs for chemical products while avoiding environmental harm, reduce or eliminate the emissions of and exposures to hazardous substances, minimize the use of resources, and benefit the economy, people, and the environment; and

(5) a recent report by the Government Accountability Office (GAO–18–307) found that the Federal Government could play an important role in helping realize the full innovation and market potential of sustainable chemistry technologies, including through a coordinated national effort on sustainable chemistry and standardized tools and definitions to support sustainable chemistry research, development, demonstration, and commercialization.

SEC. 253. NATIONAL COORDINATING ENTITY FOR SUSTAINABLE CHEMISTRY.

(a) Establishment.—Not later than 180 days after the date of enactment of this Act, the Director of the Office of Science and Technology Policy shall convene an interagency entity (referred to in this subtitle as the “Entity”) under the National Science and Technology Council with the responsibility to coordinate Federal programs and
activities in support of sustainable chemistry, including
those described in sections 255 and 256.

(b) **COORDINATION WITH EXISTING GROUPS.**—In
convening the Entity, the Director of the Office of Science
and Technology Policy shall consider overlap and possible
coordination with existing committees, subcommittees, or
other groups of the National Science and Technology
Council, such as—

(1) the Committee on Environment;

(2) the Committee on Technology;

(3) the Committee on Science; or

(4) related groups or subcommittees.

(c) **CO-CHAIRS.**—The Entity shall be co-chaired by
the Director of the Office of Science and Technology Pol-
icy and a representative from the Environmental Protec-
tion Agency, the National Institute of Standards and
Technology, the National Science Foundation, or the De-
partment of Energy, as selected by the Director of the
Office of Science and Technology Policy.

(d) **AGENCY PARTICIPATION.**—The Entity shall in-
clude representatives, including subject matter experts,
from the Environmental Protection Agency, the National
Institute of Standards and Technology, the National
Science Foundation, the Department of Energy, the De-
partment of Agriculture, the Department of Defense, the
National Institutes of Health, the Centers for Disease Control and Prevention, the Food and Drug Administration, and other related Federal agencies, as appropriate.

(e) TERMINATION.—The Entity shall terminate on the date that is 10 years after the date of enactment of this Act.

SEC. 254. STRATEGIC PLAN FOR SUSTAINABLE CHEMISTRY.

(a) STRATEGIC PLAN.—Not later than 2 years after the date of enactment of this Act, the Entity shall—

(1) consult with relevant stakeholders, including representatives from industry, academia, national labs, the Federal Government, and international entities, to develop and update, as needed, a consensus definition of “sustainable chemistry” to guide the activities under this subtitle;

(2) develop a working framework of attributes characterizing and metrics for assessing sustainable chemistry, as described in subsection (b);

(3) assess the state of sustainable chemistry in the United States as a key benchmark from which progress under the activities described in this subtitle can be measured, including assessing key sectors of the United States economy, key technology platforms, commercial priorities, and barriers to innovation;
coordinate and support Federal research, development, demonstration, technology transfer, commercialization, education, and training efforts in sustainable chemistry, including budget coordination and support for public-private partnerships, as appropriate;

(5) identify any Federal regulatory barriers to, and opportunities for, Federal agencies facilitating the development of incentives for development, consideration, and use of sustainable chemistry processes and products;

(6) identify major scientific challenges, roadblocks, or hurdles to transformational progress in improving the sustainability of the chemical sciences;

(7) identify other opportunities for expanding Federal efforts in support of sustainable chemistry; and

(8) review, identify, and make efforts to eliminate duplicative Federal funding and duplicative Federal research in sustainable chemistry.

(b) CHARACTERIZING AND ASSESSING SUSTAINABLE CHEMISTRY.—The Entity shall develop a working framework of attributes characterizing and metrics for assessing sustainable chemistry for the purposes of carrying out the Act. In developing this framework, the Entity shall—
(1) seek advice and input from stakeholders as described in subsection (e);

(2) consider existing definitions of, or frameworks characterizing and metrics for assessing, sustainable chemistry already in use at Federal agencies;

(3) consider existing definitions of, or frameworks characterizing and metrics for assessing, sustainable chemistry already in use by international organizations of which the United States is a member, such as the Organisation for Economic Co-operation and Development; and

(4) consider any other appropriate existing definitions of, or frameworks characterizing and metrics for assessing, sustainable chemistry.

(e) Consultation.—In carrying out the duties described in subsections (a) and (b), the Entity shall consult with stakeholders qualified to provide advice and information to guide Federal activities related to sustainable chemistry through workshops, requests for information, or other mechanisms as necessary. The stakeholders shall include representatives from—

(1) business and industry (including trade associations and small- and medium-sized enterprises from across the value chain);
(2) the scientific community (including the National Academies of Sciences, Engineering, and Medicine, scientific professional societies, national labs, and academia);

(3) the defense community;

(4) State, Tribal, and local governments, including nonregulatory State or regional sustainable chemistry programs, as appropriate;

(5) nongovernmental organizations; and

(6) other appropriate organizations.

(d) Report to Congress.—

(1) In general.—Not later than 2 years after the date of enactment of this subtitle, the Entity shall submit a report to the Committee on Environment and Public Works, the Committee on Commerce, Science, and Transportation, and the Committee on Appropriations of the Senate, and the Committee on Science, Space, and Technology, the Committee on Energy and Commerce, and the Committee on Appropriations of the House of Representatives. In addition to the elements described in subsections (a) and (b), the report shall include—

(A) a summary of federally funded, sustainable chemistry research, development, dem-
tion, technology transfer, commercialization, education, and training activities;

(B) a summary of the financial resources allocated to sustainable chemistry initiatives by each participating agency;

(C) an assessment of the current state of sustainable chemistry in the United States, including the role that Federal agencies are playing in supporting it;

(D) an analysis of the progress made toward achieving the goals and priorities of this subtitle, and recommendations for future program activities;

(E) an evaluation of steps taken and future strategies to avoid duplication of efforts, streamline interagency coordination, facilitate information sharing, and spread best practices among participating agencies; and

(F) an evaluation of duplicative Federal funding and duplicative Federal research in sustainable chemistry, efforts undertaken by the Entity to eliminate duplicative funding and research, and recommendations on how to achieve these goals.
(2) SUBMISSION TO GAO.—The Entity shall also submit the report described in paragraph (1) to the Comptroller General of the United States for consideration in future Congressional inquiries.

(3) ADDITIONAL REPORTS.—The Entity shall submit a report to Congress and the Comptroller General of the United States that incorporates the information described in subparagraphs (a), (b), (d), (e), and (f) every three years, commencing after the initial report is submitted until the Entity terminates.

SEC. 255. AGENCY ACTIVITIES IN SUPPORT OF SUSTAINABLE CHEMISTRY.

(a) IN GENERAL.—The agencies participating in the Entity shall carry out activities in support of sustainable chemistry, as appropriate to the specific mission and programs of each agency.

(b) ACTIVITIES.—The activities described in subsection (a) shall—

(1) incorporate sustainable chemistry into existing research, development, demonstration, technology transfer, commercialization, education, and training programs, that the agency determines to be relevant, including consideration of—
(A) merit-based competitive grants to individual investigators and teams of investigators, including, to the extent practicable, early career investigators for research and development;

(B) grants to fund collaborative research and development partnerships among universities, industry, and nonprofit organizations;

(C) coordination of sustainable chemistry research, development, demonstration, and technology transfer conducted at Federal laboratories and agencies;

(D) incentive prize competitions and challenges in coordination with such existing Federal agency programs; and

(E) grants, loans, and loan guarantees to aid in the technology transfer and commercialization of sustainable chemicals, materials, processes, and products;

(2) collect and disseminate information on sustainable chemistry research, development, technology transfer, and commercialization, including information on accomplishments and best practices;

(3) expand the education and training of students at appropriate levels of education, professional scientists and engineers, and other professionals in-
involved in all aspects of sustainable chemistry and engineering appropriate to that level of education and training, including through—

(A) partnerships with industry as described in section 256;

(B) support for the integration of sustainable chemistry principles into chemistry and chemical engineering curriculum and research training, as appropriate to that level of education and training; and

(C) support for integration of sustainable chemistry principles into existing or new professional development opportunities for professionals including teachers, faculty, and individuals involved in laboratory research (product development, materials specification and testing, life cycle analysis, and management);

(4) as relevant to an agency’s programs, examine methods by which the Federal agencies, in collaboration and consultation with the National Institute of Standards and Technology, may facilitate the development or recognition of validated, standardized tools for performing sustainability assessments of chemistry processes or products;
(5) through programs identified by an agency, support (including through technical assistance, participation, financial support, communications tools, awards, or other forms of support) outreach and dissemination of sustainable chemistry advances such as non-Federal symposia, forums, conferences, and publications in collaboration with, as appropriate, industry, academia, scientific and professional societies, and other relevant groups;

(6) provide for public input and outreach to be integrated into the activities described in this section by the convening of public discussions, through mechanisms such as public meetings, consensus conferences, and educational events, as appropriate;

(7) within each agency, develop or adapt metrics to track the outputs and outcomes of the programs supported by that agency; and

(8) incentivize or recognize actions that advance sustainable chemistry products, processes, or initiatives, including through the establishment of a nationally recognized awards program through the Environmental Protection Agency to identify, publicize, and celebrate innovations in sustainable chemistry and chemical technologies.
(d) LIMITATIONS.—Financial support provided under this section shall—

(1) be available only for pre-competitive activities; and

(2) not be used to promote the sale of a specific product, process, or technology, or to disparage a specific product, process, or technology.

SEC. 256. PARTNERSHIPS IN SUSTAINABLE CHEMISTRY.

(a) IN GENERAL.—The agencies participating in the Entity may facilitate and support, through financial, technical, or other assistance, the creation of partnerships between institutions of higher education, nongovernmental organizations, consortia, or companies across the value chain in the chemical industry, including small- and medium-sized enterprises, to—

(1) create collaborative sustainable chemistry research, development, demonstration, technology transfer, and commercialization programs; and

(2) train students and retrain professional scientists, engineers, and others involved in materials specification on the use of sustainable chemistry concepts and strategies by methods, including—

(A) developing or recognizing curricular materials and courses for undergraduate and graduate levels and for the professional develop-
(B) publicizing the availability of professional development courses in sustainable chemistry and recruiting professionals to pursue such courses.

(b) **PRIVATE SECTOR PARTICIPATION.**—To be eligible for support under this section, a partnership in sustainable chemistry shall include at least one private sector organization.

(c) **SELECTION OF PARTNERSHIPS.**—In selecting partnerships for support under this section, the agencies participating in the Entity shall also consider the extent to which the applicants are willing and able to demonstrate evidence of support for, and commitment to, the goals outlined in the strategic plan and report described in section 254.

(d) **PROHIBITED USE OF FUNDS.**—Financial support provided under this section may not be used—

(1) to support or expand a regulatory chemical management program at an implementing agency under a State law;

(2) to construct or renovate a building or structure; or
(3) to promote the sale of a specific product, process, or technology, or to disparage a specific product, process, or technology.

SEC. 257. PRIORITIZATION.

In carrying out this subtitle, the Entity shall focus its support for sustainable chemistry activities on those that achieve, to the highest extent practicable, the goals outlined in the Act.

SEC. 258. RULE OF CONSTRUCTION.

Nothing in this subtitle shall be construed to alter or amend any State law or action with regard to sustainable chemistry, as defined by the State.

SEC. 259. MAJOR MULTI-USER RESEARCH FACILITY PROJECT.

Section 110 of the American Innovation and Competitiveness Act (42 U.S.C. 1862s-2) is amended by striking (g)(2) and inserting the following:

“(2) MAJOR MULTI-USER RESEARCH FACILITY PROJECT.—The term ‘major multi-user research facility project’ means a science and engineering facility project that exceeds $100,000,000 in total construction, acquisition, or upgrade costs to the Foundation.”.
Subtitle E—Plans, Reports, and Other Matters

SEC. 261. MODIFICATION TO ANNUAL REPORT OF THE DIRECTOR OF OPERATIONAL TEST AND EVALUATION.

Section 139(h)(2) of title 10, United States Code, is amended—

(1) by striking “Engineering,” and inserting “Engineering,”; and

(2) by striking “, through January 31, 2025”.

SEC. 262. REPEAL OF QUARTERLY UPDATES ON THE OPERATIONALY MANNED FIGHTING VEHICLE PROGRAM.

Section 261 of the National Defense Authorization Act for Fiscal Year 2020 (Public law 116–92; 133 Stat. 1294) is repealed.

SEC. 263. INDEPENDENT EVALUATION OF PERSONAL PROTECTIVE AND DIAGNOSTIC TESTING EQUIPMENT.

(a) INDEPENDENT EVALUATION REQUIRED.—The Director of Operational Test and Evaluation shall conduct an independent evaluation of—

(1) any processes used to test the effectiveness of covered personal protective and diagnostic testing equipment; and
(2) the results of such tests.

(b) **Availability of Information.**—The Secretary of Defense shall provide the Director of Operational Test and Evaluation with such information as may be necessary for the Director to conduct the evaluations required under subsection (a), including any relevant documentation relating to testing processes and test results for covered personal protective and diagnostic testing equipment.

(c) **Report to Congress.**—Not later than 30 days after the completion of each evaluation under subsection (a), the Director of Operational Test and Evaluation shall submit to the congressional defense committees a report on the results of the evaluation.

(d) **Covered Personal Protective and Diagnostic Testing Equipment Defined.**—In this section, the term “covered personal protective and diagnostic testing equipment” means any personal protective equipment or diagnostic testing equipment developed, acquired, or used by the Department of Defense—

1. in response to COVID–19; or
2. as part of any follow-on, long-term acquisition and distribution program for such equipment.

**SEC. 264. REPORTS ON F-35 PHYSIOLOGICAL EPISODES AND MITIGATION EFFORTS.**

(a) **Study and Report.**—
(1) IN GENERAL.—The Under Secretary of Defense for Acquisition and Sustainment shall conduct a study to determine the underlying causes of physiological episodes affecting crewmembers of F–35 aircraft.

(2) ELEMENTS.—The study under subsection (a) shall include—

(A) an examination of each physiological episode reported by a crewmember of an F–35 aircraft as of the date of the enactment of this Act; and

(B) a determination as to the underlying cause of the episode.

(3) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment shall submit to the congressional defense committees a report that includes—

(A) the results the study conducted under subsection (a), including a description of each physiological episode examined under the study and an explanation of the underlying cause of the episode;

(B) a description of any actions that may be taken to address the underlying causes of
such episodes, including any resources that may be required to carry out such actions; and

(C) any other findings and recommendations of the study.

(b) **ANNUAL REPORTS ON MITIGATION EFFORTS.**—

The Secretary of Defense, in consultation with the Under Secretary of Defense for Acquisition and Sustainment, shall include with the annual report required by section 224(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2059), a detailed description of—

(1) the efforts of the Department of Defense to address physiological episodes affecting crew-members of F–35 aircraft; and

(2) the funding allocated for such efforts.

**SEC. 265. STUDY ON MECHANISMS FOR ATTRACTING AND RETAINING HIGH QUALITY TALENT IN THE NATIONAL SECURITY INNOVATION BASE.**

(a) **STUDY REQUIRED.**—The Secretary of Defense shall conduct a study to determine the feasibility of establishing a program to attract and retain covered individuals for employment in the national security innovation base.

(b) **ELEMENTS.**—The study required under subsection (a) shall include an analysis of—
(1) mechanisms the Department of Defense may use to engage institutions of higher education to assist in the identification and recruitment of covered individuals for employment in the national security innovation base;

(2) monetary and nonmonetary incentives that may be provided to retain covered individuals in positions in the national security innovation base;

(3) methods that may be implemented to ensure the proper vetting of covered individuals;

(4) the number of covered individuals needed to advance the competitiveness of the research, development, test, and evaluation efforts of the Department of Defense in the critical technologies identified in the National Defense Strategy; and

(5) the type and amount of resources required to implement the program described in subsection (a).

(c) REPORT.—Not later than February 1, 2021, the Secretary of Defense shall submit to the congressional defense committees a report on the results of the study conducted under subsection (a).

(d) DEFINITIONS.—In this section:

(1) The term “national security innovation base” the means the network of persons and organi-
zations, including Federal agencies, institutions of higher education, federally funded research and development centers, defense industrial base entities, nonprofit organizations, commercial entities, and venture capital firms that are engaged in the military and nonmilitary research, development, funding, and production of innovative technologies that support the national security of the United States.

(2) The term “institution of higher education” has the meaning given that term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

(3) The term “covered individual” means an individual who—

(A) is employed by a United States employer and engaged in work to promote and protect the national security innovation base;

(B) is engaged in basic or applied research, funded by the Department of Defense, through an institution of higher education in the United States; and

(C) possesses scientific or technical expertise that will advance the development of critical technologies identified in the National Defense Strategy or the National Defense Science

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

SEC. 301. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4301.

Subtitle B—Energy and Environment

SEC. 311. MILITARY AVIATION AND INSTALLATION ASSURANCE CLEARINGHOUSE FOR REVIEW OF MISSION OBSTRUCTIONS.

Section 183a(c) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (4) through (6) as paragraphs (5) through (7), respectively;
(2) by inserting after paragraph (3) the following new paragraph (4):

“(4) If, after issuing the notices of presumed risk required by paragraphs (2) and (3), the Secretary of Defense later concludes for any reason that the energy project will not have an adverse impact on military readiness, the Clearinghouse shall notify the applicant and the governor in writing of that conclusion.”; and

(3) in paragraph (7), as so redesignated, by striking “Any setback for a project pursuant to the previous sentence shall not be more than what is determined to be necessary by a technical analysis conducted by the Lincoln Laboratory at the Massachusetts Institute of Technology or any successor entity.”.

SEC. 312. MILITARY AVIATION AND INSTALLATION ASSURANCE CLEARINGHOUSE FOR REVIEW OF MISSION OBSTRUCTIONS.

Section 183a(c) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (4) through (6) as paragraphs (5) through (7), respectively; and

(2) by inserting after paragraph (3) the following new paragraph (4):
“(4) If, after issuing the notices of presumed risk required by paragraphs (2) and (3), the Secretary of Defense later concludes for any reason that the energy project will not have an adverse impact on military readiness, the Clearinghouse shall notify the applicant and the governor in writing of that conclusion.”.

SEC. 313. AGREEMENTS TO LIMIT ENCROACHMENTS AND OTHER CONSTRAINTS ON MILITARY TRAINING, TESTING, AND OPERATIONS.

Section 2684a of title 10, United States Code, is amended—

(1) in subsection (b), by striking “An agreement under this section may be entered into with” and inserting “For purposes of this section, the term ‘eligible entity’ means”; and

(2) in subsection (d)(1)(A), by striking “the entity” and inserting “the eligible entity”.

SEC. 314. MODIFICATION OF DEPARTMENT OF DEFENSE ENVIRONMENTAL RESTORATION AUTHORITIES TO INCLUDE FEDERAL GOVERNMENT FACILITIES USED BY NATIONAL GUARD.

Section 2707(e) of title 10, United States Code, as added by section 316 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92, is amended—
(1) by inserting “where military activities are conducted by the state National Guard under title 32,” after “facility”; and

(2) by adding at the end the following new sentence: “The Secretary concerned may also utilize the authority in section 2701(d) of this title for these environmental restoration projects.”.

SEC. 315. INCREASED TRANSPARENCY THROUGH REPORTING ON USAGE AND SPILLS OF AQUEOUS FILM-FORMING FOAM AT MILITARY INSTALLATIONS.

(a) In General.—Chapter 160 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2712. Reporting on usage and spills of aqueous film-forming foam

“Not later than 48 hours after the Deputy Assistant Secretary of Defense for Environment receives notice of the usage or spill of aqueous film-forming foam, either as concentrate or mixed foam, at any military installation, the Deputy Assistant Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives notice of such usage or spill. Each such notice shall include each of the following:
“(1) The name of the installation where the usage or spill occurred.

“(2) The date on which the usage or spill occurred.

“(3) The amount, type, and specified concentration of aqueous film-forming foam that was used or spilled.

“(4) The cause of the usage or spill.

“(5) A summary narrative of the usage or spill.”.

(b) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“2712. Reporting on usage and spills of aqueous film-forming foam.”.

SEC. 316. REPLACEMENT OF NON-TACTICAL MOTOR VEHICLES AT THE END OF SERVICE LIFE WITH ELECTRIC OR HYBRID MOTOR VEHICLES.

Section 2922g of title 10, United States Code, is amended—

(1) by redesignating subsections (b) and (c) as subsections (c) and (d), respectively;

(2) by inserting after subsection (a) the following new subsection (b):

“(b) END OF LIFE REPLACEMENT.—Upon the end of the lease or service life of a motor vehicle, the Secretary of the military department or the head of the Defense
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Agency shall, to the maximum extent possible, replace such motor vehicle with a motor vehicle that uses an electric or hybrid propulsion system, including a plug-in hybrid system.”;

(3) in subsection (c), as so redesignated, by striking “Subsection (a) does not” and inserting “Subsections (a) and (b) do not”; and

(4) in subsection (d), as so redesignated, by striking “The preference required by subsection (a) does not” and inserting “The preference under subsection (a) and the requirement under subsection (b) do not”.

SEC. 317. BUDGETING OF DEPARTMENT OF DEFENSE RELATING TO OPERATIONAL ENERGY IMPROVEMENT.

The Secretary of Defense shall include in the annual budget submission of the President under section 1105(a) of title 31, United States Code, a dedicated budget line item for fielding operational energy improvements, including such improvements for which funds from the Operational Energy Capability Improvement Fund have been expended to create the operational and business case for broader employment.
SEC. 318. ASSESSMENT OF DEPARTMENT OF DEFENSE OPERATIONAL ENERGY USAGE.

(a) In general.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall enter into an agreement with a federally funded research and development center with relevant expertise under which such center shall conduct an assessment of Department of Defense operational energy usage, including an agency-wide view and breakdowns of progress by service branch.

(b) Elements.—The assessment required under subsection (a) shall include—

(1) an analysis of the extent to which the Department of Defense developed an integrated operational energy strategy and the extent to which each of the military departments has implemented such strategy;

(2) an analysis of the viability of implementing net zero initiatives or meeting net zero goals within the operational energy enterprise without negatively impacting mission capability;

(3) an analysis of fossil fuel reduction regimes that may maximize reduction of reliance on fossil fuels, including impacts of lowering the reliance on fossil fuels, decreasing the need for refueling convoys, overcoming the tyranny of distance within...
United States Indo-Pacific Command through hybrid or other fuel efficient propulsion systems, and energy production, storage, and distribution systems that enhance logistics supply chain resiliency;

(4) a description of the options for achieving fossil fuel reduction benchmarks with respect to operational energy of 25 percent, 50 percent, 75 percent, and 100 percent, using fiscal year 2020 as the benchmark, including anticipated funding requirements, statutory requirements, infrastructure needs, and timeframes; and

(5) an analysis of the integration between energy offices with program offices, budget, and operational planners within the Department of Defense and military departments, and recommendations for improving coordination.

(e) Form of Report.—The report required under this section shall be submitted in unclassified form, but may contain a classified annex.

SEC. 319. IMPROVEMENT OF THE OPERATIONAL ENERGY CAPABILITY IMPROVEMENT FUND OF THE DEPARTMENT OF DEFENSE.

(a) Management of the Operational Energy Capability Improvement Fund.—The Under Secretary of Defense for Acquisition and Sustainment shall exercise
authority, direction, and control over the Operational Energy Capability Improvement Fund of the Department of Defense (in this section referred to as the “OECIF”).

(b) ALIGNMENT AND COORDINATION WITH RELATED PROGRAMS.—

(1) REALIGNMENT OF OECIF.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall realign the OECIF under the Assistant Secretary of Defense for Sustainment, with such realignment to include personnel positions adequate for the mission of the OECIF.

(2) BETTER COORDINATION WITH RELATED PROGRAMS.—The Assistant Secretary shall ensure that this placement facilitates better alignment between OECIF, the Strategic Environmental Research Program, the Environmental Security Technology Certification Program, and the Operational Energy Prototyping Program is utilized to advance common goals of the Department, promote organizational synergies, and avoid unnecessary duplication of effort.

c) PROGRAM FOR OPERATIONAL ENERGY PROTOTYPING.—
(1) IN GENERAL.—Commencing not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, through the Under Secretary of Defense for Acquisition and Sustainment, shall carry out a program for the demonstration of technologies related to operational energy prototyping, including demonstration of operational energy technology and validation prototyping.

(2) OPERATION OF PROGRAM.—The Secretary shall ensure that the program under paragraph (1) operates in conjunction with the OECIF to promote the transfer of innovative technologies that have successfully established proof of concept for use in production or in the field.

(3) PROGRAM ELEMENTS.—In carrying out the program under paragraph (1) the Secretary shall—

(A) identify and demonstrate the most promising, innovative, and cost-effective technologies and methods that address high-priority operational energy requirements of the Department of Defense;

(B) in conducting demonstrations under subparagraph (A), the Secretary shall—

(i) collect cost and performance data to overcome barriers against employing an
innovative technology because of concerns regarding technical or programmatic risk; and

(ii) ensure that components of the Department have time to establish new requirements where necessary and plan, program, and budget for technology transition to programs of record;

(C) utilize project structures similar to those of the OECIF to ensure transparency and accountability throughout the efforts conducted under the program; and

(D) give priority, in conjunction with the OECIF, to the development and fielding of clean technologies that reduce reliance on fossil fuels.

(4) TOOL FOR ACCOUNTABILITY AND TRANSITION.—

(A) IN GENERAL.—In carrying out the program under paragraph (1), the Secretary shall develop and utilize a tool to track relevant investments in operational energy from applied research to transition to use to ensure user organizations have the full picture of technology maturation and development.
(B) TRANSITION.—The tool developed and utilized under subparagraph (A) shall be designed to overcome transition challenges with rigorous and well-documented demonstrations that provide the information needed by all stakeholders for acceptance of the technology.

SEC. 320. FIVE-YEAR REVIEWS OF CONTAINMENT TECHNOLOGIES RELATING TO RED HILL BULK FUEL STORAGE FACILITY.

(a) Reviews.—

(1) Reviews required.—At least once every five years, the Secretary of the Navy shall conduct a review of available technologies relating to the containment of fuel to determine whether any such technology may be used to improve the containment of fuel with respect to storage tanks located at the Red Hill Bulk Fuel Storage Facility, Hawaii.

(2) Deadline for initial review.—The Secretary shall begin the first review under paragraph (1) by not later than the date that is one year after the date of the enactment of this Act.

(b) Briefings.—Not later than 60 days after the date on which a review conducted under subsection (a) is completed, the Secretary shall provide to the congressional defense committees a briefing on—
(1) any technology identified in such review that the Secretary determines may be used to improve the containment of fuel with respect to storage tanks located at the Red Hill Bulk Fuel Storage Facility; and

(2) the feasibility and cost of implementing any such technology at the Red Hill Bulk Fuel Storage Facility.

(e) TERMINATION.—The requirements to conduct reviews under subsection (a) and provide briefings under subsection (b) shall terminate on the date on which the Red Hill Bulk Fuel Storage Facility ceases operation, as determined by the Secretary of the Navy.

SEC. 321. LIMITATION ON USE OF FUNDS FOR ACQUISITION OF FURNISHED ENERGY FOR RHINE ORDNANCE BARRACKS ARMY MEDICAL CENTER.

None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2021 may be used to enter into a contract for the acquisition of furnished energy for the new Rhine Ordnance Barracks Army Medical Center (hereafter referred to as the “Medical Center”) before the date on which Secretary of Defense submits to the congressional defense committees a written certification that the Medical Center does not use any energy sourced from
inside the Russian Federation as a means of generating
the furnished energy.

SEC. 322. REQUIREMENT TO UPDATE DEPARTMENT OF DE-
FENSE CLIMATE CHANGE ROADMAP.

(a) In General.—Not later than February 1, 2022,
the Secretary of Defense shall submit to the Committees
on Armed Services of the Senate and House of Represent-
atives an update to the Department of Defense 2014 Cli-
mate Change Adaptation Roadmap. Such update shall in-
clude an outline of the strategy and implementation plan
of the Department to address the current and foreseeable
effects of climate change on the mission of the Depart-
ment of Defense.

(b) Elements of Strategy and Implementation
Plan.—The strategy and implementation plan required to
be included in the update under subsection (a) shall in-
clude—

(1) a description of the overarching approach of
the Department to climate adaptation and climate
mitigation measures; and

(2) a discussion of the current and foreseeable
effects of climate change on—

(A) plans and operations, including—

(i) military readiness;
(ii) increased frequency of extreme weather events, including flooding, drought, desertification, wildfires, thawing permafrost, hurricanes, and extreme heat;

(iii) geopolitical instability caused by climate events, including extreme weather;

(iv) increased demand for Defense Support for Civil Authorities and disaster or humanitarian relief operations;

(v) the operating environment of the Arctic and of the strategic and geopolitical implications of a progressively more ice-free Arctic Ocean; and

(vi) alteration or limitation on operation environments;

(B) training and testing, including—

(i) changes in land carrying capacity;

(ii) increased maintenance and repair requirements for equipment and infrastructure;

(iii) mitigation of heat stress and heat-related illnesses resulting from increasing temperatures;

(iv) increased dust generation and fire hazards; and
(v) maintaining testing and training capacity to support increased operations and civil support missions;

(C) built and natural infrastructure, including—

(i) military installation resilience, as such term is defined in section 101(c)(8) of title 10, United States Code, of installations both within and outside the United States and its possessions and territories and of the State-owned National Guard installations of the several States;

(ii) resilience of the air and sea ports of our allies and partners that are critical to the training, deployment, and operations of the armed forces of the United States and its allies and partners;

(iii) resilience of the deployment system and structure of the Department of Defense and of the United States, including the strategic highway network, the strategic rail network, and designated strategic air and sea ports;

(iv) best practices for modeling and mitigating risks posed to military installa-
tions by increased inundation, erosion, flood, wind, and fire damage;

(v) changing energy demand at military installations to include heating and cooling, particularly in communities experiencing grid stress;

(vi) disruption and competition for reliable energy and water resources;

(vii) increased maintenance and sustainment costs;

(viii) damage to natural and constructed infrastructure from thawing permafrost and sea ice; and

(ix) the effects of climate stress on community support infrastructure, including roads, transportation hubs, and medical facilities;

(D) acquisition and supply chain, including—

(i) measures to ensure that the current and projected future scale and impacts of climate change are fully considered in the research, development, testing, and acquisition of major weapon systems and of associated supplies and equipment;
(ii) required alterations of stockpiles;

(iii) reduced or changed availability and access to materials, equipment, and supplies, including water and food sources;

(iv) disruptions in fuel availability and distribution;

(v) estimated climate security investments required to address foreseeable costs incurred or influenced by climate change for each of the lines of effort in this report, including extreme weather response, over the next five, ten, and twenty years, with topline estimates and a qualitative discussion of cost drivers for each; and

(vi) equipment and infrastructure investments required to address a changing Arctic environment; and

(E) such other matters as the Secretary determines appropriate.

(c) ASSESSMENTS AND PROJECTIONS OF THE SCOPE AND SCALE OF CLIMATE CHANGE.—In preparing the update to the climate change roadmap as required under subsection (a), the Secretary shall consider—

(1) climate projections from the Global Change Research Office, National Climate Assessment, the
National Oceanic and Atmospheric Administration, and other Federal agencies; and

(2) data on, and analysis of, the national security effects of climate prepared by the Climate Security Advisory Council of the Office of the Director of National Intelligence established pursuant to section 120 of the National Security Act of 1947 (50 U.S.C. 3060) and by other elements of the intelligence community.

(d) FORM.—The update to the climate change road-map required under subsection (a) shall be submitted in an unclassified form, but may contain a classified annex. If the Secretary determines that the inclusion of a classified annex is necessary, the Secretary shall conduct an in-person briefing for Members of the Committees on Armed Services of the Senate and House of Representatives by not later than 90 days after date of the submission of the update.

SEC. 323. COMPTROLLER GENERAL REPORT ON DEPARTMENT OF DEFENSE INSTALLATION ENERGY.

(a) GAO REPORT.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the progress of the Department of De-
(b) CONTENTS OF REPORT.—The report required under subsection (a) shall include—

(1) an analysis of the extent to which the Department of Defense has implemented net zero initiatives to date and developed a forward-looking integrated net zero strategy for energy, emissions, water, and waste management and the extent to which each of the military departments has implemented such strategy;

(2) a description of the current challenges to implementing net zero initiatives or meeting net zero goals and the degree to which the Department of Defense and the military departments have addressed applied lessons learned;

(3) a cost-benefit analysis of net zero initiatives, including a description of how such costs and benefits are identified, tracked, and validated;

(4) a description of the feasibility of achieving net zero benchmarks of 25 percent, 50 percent, 75 percent, and 100 percent of the energy, emissions, water, and waste management levels for 2020, including anticipated funding requirements, statutory
requirements, infrastructure needs, and timeframes;
and

(5) an analysis of the integration between energy offices with program offices, budget, and operational planners within the Department of Defense and military departments across the enterprise, and recommendations for improving coordination.

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

SEC. 324. DEPARTMENT OF DEFENSE REPORT ON EMISSIONS LEVELS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Department of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives and to the Comptroller General a report on the total level of emissions for each of the last ten fiscal years. Such emissions levels shall include the agency-wide total, breakdowns by military department, and delineations between installation and operational emissions.

(b) FORM OF REPORT.—The report required under this section shall be submitted in unclassified form, but may contain a classified annex.
SEC. 325. OBJECTIVES, PERFORMANCE STANDARDS, AND CRITERIA FOR USE OF WILDLIFE CONSERVATION BANKING PROGRAMS.

(a) IN GENERAL.—To ensure opportunities for Department of Defense participation in wildlife conservation banking programs pursuant to section 2694c of title 10, United States Code, the Secretary of the Interior, acting through the Director of the United States Fish and Wildlife Service, shall issue regulations of general applicability establishing objectives, measurable performance standards, and criteria for use, consistent with the Endangered Species Act (16 U.S.C. 1531 et seq.), for mitigation banking offsetting effects on a species, or habitat of such species, that is endangered, threatened, a candidate for listing, or otherwise at risk under such Act. To the maximum extent practicable, the regulatory standards and criteria shall maximize available credits and opportunities for mitigation, provide flexibility for characteristics of various species, and apply equivalent standards and criteria to all mitigation banks.

(b) DEADLINE FOR REGULATIONS.—The Secretary of the Interior, acting through the Director of the United States Fish and Wildlife Service, shall publish an advance notice of proposed rulemaking for the regulations required by subsection (a) by not later than one year after the date of the enactment of this Act.
SEC. 326. OFFSHORE WIND ENERGY DEVELOPMENT, MORRO BAY, CALIFORNIA.

(a) FINDINGS.—Congress makes the following findings:

(1) Since 2016, the Department of Defense and Department of the Navy have been working with State and Federal stakeholders to determine whether a commercial lease for the development of renewable energy off the coast of Morro Bay, California could be developed in a manner that is compatible with the training and readiness requirements of the Department of Defense.

(2) Military readiness and the ability to conduct realistic training are critical to our national security; however, energy security and other ocean uses are also important. These interests should be balanced to the extent practicable when analyzing offshore energy proposals.

(3) In August 2019, Members of Congress, the Assistant Secretary of Defense for Sustainment, senior officials from other Federal agencies, and state and local elected representatives met to discuss a path forward to accommodate wind energy development off the Central Coast of California while ensuring the Department of Defense was able to continue...
meeting its testing, training, and operational re-
quirements.

(4) Following the initial meeting in August
2019, the stakeholder group continued meeting at
roughly monthly intervals through 2019 and into
2020 to discuss options and work towards a mutu-
ally agreeable solution for renewable energy develop-
ment and continued military testing, training, and
operational requirements off the Central Coast of
California.

(5) In May 2020, the Assistant Secretary of the
Navy for Energy, Installations, and Environment
notified stakeholders that despite the previous year
of negotiations, it was his view any wind energy de-
velopments off the Central Coast of California may
not be viewed as being compatible with military ac-
tivities. This unilateral decision was made abruptly,
without providing any supporting analysis or ac-
nowledgment of the progress and commitments
made during previous negotiations, and was not in
the spirit of cooperation and collaboration that had
driven the previous nine months of stakeholder en-
gagements.

(6) Stakeholder confidence in the Department
of Defense review process is paramount. Abrupt and
unilateral changes of course erode confidence and undermine the State, local, and industry trust in a fair, transparent, and predictable adjudication of potential conflicts.

(7) In early 2019, in order to create continuity between the offshore and terrestrial processes, the Department of Defense consolidated its review of proposed energy development projects so that offshore energy proposals were now included in the Military Aviation and Installation Assurance Clearinghouse (the Clearinghouse). The Clearinghouse has a proven record for reviewing proposed energy development projects through a fair and transparent process. The Morro Bay proposal pre-dates this consolidation but underwent a similar Department of Defense led compatibility review.

(8) Congress has generally supported the transparent and fair Clearinghouse review process, as well as all efforts between the Department of Defense and other stakeholders to reach solutions that allow for the development of energy projects in a manner that is compatible with military testing, training, and operational requirements.

(9) Legislating a solution to a specific energy development proposal should only be reserved for
rare occasions. Due to Navy’s abrupt and unilateral
decision to walk away from productive negotiations,
after months of good-faith efforts by other stake-
holders and public engagement, the threshold for
congressional intervention has been reached.

(b) RESPONSIBILITY.—All interaction on behalf of
the Department of the Navy with the California Energy
Commission, Federal agencies, State and local govern-
ments, and potential energy developers regarding proposed
offshore wind energy off the central coast of California
shall be performed through the Office of the Under Sec-
retary of Defense for Acquisition and Sustainment.

(c) BRIEFCING REQUIREMENT; LIMITATION.—

(1) BRIEFCING.—Not later than 180 days after
the date of the enactment of this Act, the Secretary
of Defense shall provide to the Committees on
Armed Services and the Committee on Natural Re-
sources of the House of Representatives a briefing
on status of the review by the Offshore Energy
Working Group of the request to locate at least two
offshore wind lease areas proximate to and within
the Morro Bay Call Area. Such briefing shall in-
clude—

(A) a detailed map that shows any areas
identified;
(B) proposed mitigations that would enable compatible development in the areas identified;

(C) any unresolved issues; and

(D) any other terms of the agreement reached with the California Energy Commission, other Federal agencies, State and local governments, and potential energy developers.

(2) LIMITATION.—The Secretary of Defense may not issue a final offshore wind assessment that proposes wind exclusion areas and may not object to an offshore energy project in the Central Coast of California that has filed for review by the Military Aviation and Installation Assurance Clearinghouse until the Secretary provides the briefing required under paragraph (1).

(d) LIMITATION ON USE OF FUNDS.—Of the amounts authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2021, not more than 75 percent may be obligated or expended for the Office of the Assistant Secretary of the Navy for Energy, Installations, and Environment until the date that is 30 days after the date on which the briefing required under subsection (e)(1) is provided.
SEC. 327. LONG-DURATION DEMONSTRATION INITIATIVE AND JOINT PROGRAM.

(a) Establishment of Initiative.—Not later than January 15, 2021, the Director of the Environmental Security Technology Certification Program of the Department of Defense (hereinafter in this section referred to as the “Director”) may establish a demonstration initiative composed of demonstration projects focused on the development of long-duration energy storage technologies.

(b) Selection of Projects.—To the maximum extent practicable, in selecting demonstration projects to participate in the demonstration initiative under subsection (a), the Director may—

(1) ensure a range of technology types;

(2) ensure regional diversity among projects;

and

(3) consider bulk power level, distribution power level, behind-the-meter, microgrid (grid-connected or islanded mode), and off-grid applications.

(c) Joint Program.—

(1) Establishment.—As part of the demonstration initiative under subsection (a), the Director, in consultation with the Secretary of Energy, may establish within the Department of Defense a joint program to carry out projects—
(A) to demonstrate promising long-duration energy storage technologies at different scales to promote energy resiliency; and

(B) to help new, innovative long-duration energy storage technologies become commercially viable.

(2) MEMORANDUM OF UNDERSTANDING.—Not later than 200 days after the date of enactment of this Act, the Director may enter into a memorandum of understanding with the Secretary of Energy to administer the joint program.

(3) INFRASTRUCTURE.—In carrying out the joint program, the Director and the Secretary of Energy may—

(A) use existing test-bed infrastructure at—

(i) installations of the Department of Defense; and

(ii) facilities of the Department of Energy; and

(B) develop new infrastructure for identified projects, if appropriate.

(4) GOALS AND METRICS.—The Director and the Secretary of Energy may develop goals and metrics for technological progress under the joint
program consistent with energy resilience and energy security policies.

(5) **Selection of Projects.**—

(A) **In General.**—To the maximum extent practicable, in selecting projects to participate in the joint program, the Director and the Secretary of Energy may—

(i) ensure that projects are carried out under conditions that represent a variety of environments with different physical conditions and market constraints; and

(ii) ensure an appropriate balance of—

(I) larger, operationally-scaled projects, adapting commercially-proven technology that meets military service defined requirements; and

(II) smaller, lower-cost projects.

(B) **Priority.**—In carrying out the joint program, the Director and the Secretary of Energy may give priority to demonstration projects that—

(i) make available to the public project information that will accelerate deployment of long-duration energy storage
technologies that promote energy resilien-
(ii) will be carried out as field dem-
onstrations fully integrated into the instal-
lation grid at an operational scale.

SEC. 328. PRIZES FOR DEVELOPMENT OF NON-PFAS-CON-
TAINING FIRE-FIGHTING AGENT.

(a) AUTHORITY.—The Secretary of Defense, acting
through the Assistant Secretary of Defense for
Sustainment and the Strategic Environmental Research
and Development Program, may carry out a program to
award cash prizes and other types of prizes that the Sec-
retary determines are appropriate to recognize out-
standing achievements in the development of a non-PFAS-
containing fire-fighting agent to replace aqueous film-
forming foam with the potential for application to the per-
formance of the military missions of the Department of
Defense.

(b) COMPETITION REQUIREMENTS.—A program
under subsection (a) shall use a competitive process for
the selection of recipients of cash prizes. The process shall
include the widely-advertised solicitation of submissions of
research results, technology developments, and prototypes.

(c) LIMITATIONS.—The following limitations shall
apply to a program under subsection (a):
(1) No prize competition may result in the award of a prize with a fair market value of more than $5,000,000.

(2) No prize competition may result in the award of more than $1,000,000 in cash prizes without the approval of the Assistant Secretary of Defense for Sustainment.

(3) No prize competition may result in the award of a solely nonmonetary prize with a fair market value of more than $10,000 without the approval of the Assistant Secretary of Defense for Sustainment.

(d) Relationship to Other Authority.—A program under subsection (a) may be carried out in conjunction with or in addition to the exercise of any other authority of the Department of Defense.

(e) Use of Prize Authority.—Use of prize authority under this section shall be considered the use of competitive procedures for the purposes of section 2304 of title 10, United States Code.

(f) PFAS.—In this section, the term “PFAS” means—

(1) man-made chemicals of which all of the carbon atoms are fully fluorinated carbon atoms; and
(2) man-made chemicals containing a mix of fully fluorinated carbon atoms, partially fluorinated carbon atoms, and nonfluorinated carbon atoms.

(g) Termination.—The authority to carry out a program under this section shall terminate on October 1, 2024.

SEC. 329. SURVEY OF TECHNOLOGIES FOR DEPARTMENT OF DEFENSE APPLICATION IN PHASING OUT THE USE OF FLUORINATED AQUEOUS FILM-FORMING FOAM.

(a) Survey of Technologies.—The Secretary of Defense shall conduct a survey of relevant technologies, other than fire-fighting agent solutions, to determine whether any such technologies are available and can be adapted for use by the Department of Defense to facilitate the phase-out of fluorinated aqueous film-forming foam. The technologies surveyed under this subsection shall include hangar flooring systems, fire-fighting agent delivery systems, containment systems, and other relevant technologies the Secretary determines appropriate.

(b) Report.—Not later than one year after the date of enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the results of the survey conducted under subsection (a). Such report shall include—
(1) a description of the technologies included in the survey;

(2) a list of the technologies that were considered for further testing or analysis; and

(3) any technologies that are undergoing additional analysis for possible application within the Department.

SEC. 330. INTERAGENCY BODY ON RESEARCH RELATED TO PER- AND POLYFLUOROALKYL SUBSTANCES.

(a) Establishment.—The Director of the Office of Science and Technology Policy, acting through the National Science and Technology Council, shall establish an interagency working group to coordinate Federal activities to advance research and development needed to address PFAS.

(b) Agency Participation.—The interagency working group shall include a representative of each—

(1) the Environmental Protection Agency;

(2) the National Institute of Environmental Health Sciences;

(3) the Agency for Toxic Substances and Disease Registry;

(4) the National Science Foundation;

(5) the Department of Defense;

(6) the National Institutes of Health;
(7) the National Institute of Standards and Technology;
(8) the National Oceanic and Atmospheric Administration;
(9) the Department of Interior;
(10) the Department of Transportation;
(11) the Department of Homeland Security;
(12) the National Aeronautics and Space Administration;
(13) the National Toxicology Program;
(14) the Department of Agriculture;
(15) the Geological Survey;
(16) the Department of Commerce;
(17) the Department of Energy;
(18) the Office of Information and Regulatory Affairs;
(19) the Office of Management and Budget;
and
(20) any such other Federal department or agency as the President considers appropriate.

(c) Co-chairs.—The Interagency working group shall be co-chaired by the Director of the Office of Science and Technology Policy and, on an annual rotating basis, a representative from a Member agency, as selected by the Director of the Office of Science and Technology Policy.
(d) Responsibilities of the Working Group.—

The interagency working group established under subsection (a) shall—

(1) provide for interagency coordination of Federally funded PFAS research and development; and

(2) not later than 12 months after the date of enactment of this Act, develop a strategic plan for Federal support for PFAS research and development (to be updated not less than every 2 years) that—

(A) identifies all current Federally funded PFAS research and development, including the nature and scope of such research and development and the amount of funding associated with such research and development during the current fiscal year, disaggregated by agency;

(B) identifies scientific and technological challenges that must be addressed to understand and to significantly reduce the environmental and human health impacts of PFAS and to identify cost-effective—

(i) alternatives to PFAS that are designed to be safer and more environmentally friendly;

(ii) methods for removal of PFAS from the environment; and
(iii) methods to safely destroy or degrade PFAS;

(C) establishes goals, priorities, and metrics for Federally funded PFAS research and development that takes into account the current state of research and development identified in paragraph (A) and the challenges identified in paragraph (B); and

(D) an implementation plan for Federal agencies.

(e) CONSULTATION.—In developing the strategic plan under subsection (d), the interagency working group shall consult with states, tribes, territories, local governments, appropriate industries, academic institutions and non-governmental organizations with expertise in PFAS research and development, treatment, management, and alternative development.

(f) ANNUAL REPORT.—For each fiscal year beginning with fiscal year 2022, not later than 90 days after submission of the President’s annual budget request for such fiscal year, the Interagency working group shall prepare and submit to Congress a report that includes—

(1) a summary of Federally funded PFAS research and development for such fiscal year and the
preceding fiscal year, including a disaggregation of spending for each participating Federal agency; and

(2) a description of how Federal agencies are implementing the strategic plan described in subsection (d).

(g) PFAS RESEARCH AND DEVELOPMENT.—The term “PFAS research and development” includes any research or project that has the goal of accomplishing the following:

(1) The removal of PFAS from the environment.

(2) The safe destruction or degradation of PFAS.

(3) The development and deployment of safer and more environmentally friendly alternative substances that are functionally similar to those made with PFAS.

(4) The understanding of sources of environmental PFAS contamination and pathways to exposure for the public.

(5) The understanding of the toxicity of PFAS to humans and animals.
SEC. 331. RESTRICTION ON PROCUREMENT BY DEFENSE LOGISTICS AGENCY OF CERTAIN ITEMS CONTAINING PERFLUOROALKYL SUBSTANCES AND POLYFLUOROALKYL SUBSTANCES.

(a) PROHIBITION.—The Director of the Defense Logistics Agency may not procure any covered item containing a perfluoroalkyl substance or polyfluoroalkyl substance.

(b) DEFINITIONS.—In this section:

(1) The term “covered item” means—

(A) non-stick cookware or food service ware for use in galleys or dining facilities;

(B) food packaging materials;

(C) furniture or floor waxes;

(D) carpeting, rugs, or upholstered furniture;

(E) personal care items;

(F) dental floss; and

(G) sunscreen.

(2) The term “perfluoroalkyl substance” means a man-made chemical of which all of the carbon atoms are fully fluorinated carbon atoms.

(3) The term “polyfluoroalkyl substance” means a man-made chemical containing a mix of fully fluorinated carbon atoms, partially fluorinated carbon atoms, and nonfluorinated carbon atoms.
(c) **EFFECTIVE DATE.**—This section shall take effect on the date that is one year after the date of the enactment of this Act.

**SEC. 332. STANDARDS FOR REMOVAL OR REMEDIAL ACTIONS WITH RESPECT TO PFOS OR PFOA CONTAMINATION.**

(a) **IN GENERAL.**—In conducting removal or remedial actions pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.) or section 332 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) of PFOS or PFOA contamination from Department of Defense or National Guard activities found in drinking water or in groundwater that is not currently used for drinking water, the Secretary of Defense shall ensure that such actions result in a level that meets or exceeds the most stringent of the following standards for PFOS or PFOA in any environmental media:

(1) An enforceable State standard, in effect in that State, for drinking, surface, or ground water, as described in section 121(d)(2)(A)(ii) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9621(d)(2)(A)(ii)).

(3) A health advisory under section 1412(b)(1)(F) of the Safe Drinking Water Act (42 U.S.C. 300g–1(b)(1)(F)).

(b) DEFINITIONS.—In this section:

(1) The term “PFOA” means perfluorooctanoic acid.

(2) The term “PFOS” means perfluorooctane sulfonate.

(3) The terms “removal” and “remedial action” have the meanings given those terms in section 101 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601).

(c) SAVINGS CLAUSE.—Except with respect to the specific level required to be met under subsection (a), nothing in this section affects the application of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9607).
SEC. 333. RESEARCH AND DEVELOPMENT OF ALTERNATIVE TO AQUEOUS FILM-FORMING FOAM.

(a) IN GENERAL.—The Secretary of Defense, acting through the National Institute of Standards and Technology and in consultation with appropriate stakeholders and manufactures, research institutions, and other Federal agencies shall award grants and carry out other activities to—

(1) promote and advance the research and development of additional alternatives to aqueous film-forming foam (in this section referred to as “AFFF”) containing per- and polyfluoroalkyl substances (in this section referred to as “PFAS”) to facilitate the development of a military specification and subsequent fielding of a PFAS-free fire-fighting foam;

(2) advance the use of green and sustainable chemistry for a fluorine-free alternative to AFFF;

(3) increase opportunities for sharing best practices within the research and development sector with respect to AFFF;

(4) assist in the testing of potential alternatives to AFFF; and

(5) provide guidelines on priorities with respect to an alternative to AFFF.
(b) ADDITIONAL REQUIREMENTS.—In carrying out the program required under subsection (a), the Secretary shall—

(1) take into consideration the different uses of AFFF and the priorities of the Department of Defense in finding an alternative;

(2) prioritize green and sustainable chemicals that do not pose a threat to public health or the environment; and

(3) use and leverage research from existing Department of Defense programs.

(c) REPORT.—The Secretary shall submit to Congress a report on—

(1) the priorities and actions taken with respect to finding an alternative to AFFF and the implementation of such priorities; and

(2) any alternatives the Secretary has denied, and the reason for any such denial.

(d) USE OF FUNDS.—This section shall be carried out using amounts authorized to be available for the Strategic Environmental Research and Development Program.
SEC. 334. NOTIFICATION TO AGRICULTURAL OPERATIONS LOCATED IN AREAS EXPOSED TO DEPARTMENT OF DEFENSE PFAS USE.

(a) NOTIFICATION REQUIRED.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of Agriculture, shall provide a notification described in subsection (b) to any agricultural operation located within 10 square miles of a location where covered PFAS—

(1) has been detected in groundwater;
(2) has been hydrologically linked to a local water source, including a water well; and
(3) is suspected to be, or due to a positive test known to be, the result of the use of PFAS at any installation of the Department of Defense located in the United States or any State-owned facility of the National Guard.

(b) NOTIFICATION REQUIREMENTS.—The notification required under subparagraph (a) shall include:

(1) The name of the Department of Defense or National Guard installation from which the PFAS contamination in groundwater originated.
(2) The specific type of PFAS detected in groundwater.
(3) The detection levels of PFAS detected.
(4) Relevant governmental information regarding the health and safety of the covered PFAS detected, including relevant Federal or State standards for PFAS in groundwater, livestock, food commodities and drinking water, and any known restrictions for sale of agricultural products that have been irrigated or watered with water containing PFAS.

(c) ADDITIONAL TESTING RESULTS.—The Secretary of Defense shall provide to an agricultural operation that receives a notice under subsection (a) any pertinent updated information, including any results of new elevated testing, by not later than 15 days after receiving such information.

(d) REPORT TO CONGRESS.—Not later than 90 days after the date of the enactment of this Act, and annually thereafter, the Secretary of Defense shall submit to the Committee on Agriculture, Nutrition, and Forestry of the Senate and the Committee on Agriculture of the House of Representatives a report on the status of providing notice under subsection (a). Such report shall include, for the period covered by the report—

(1) the approximate locations of such operations relative to installations of the Department of Defense located in the United States and State-owned facilities of the National Guard;
(2) the PFAS substances detected in groundwater; and

(3) the levels of PFAS detected.

(c) Definitions.—In this section:

(1) The term “covered PFAS” means each of the following:

(A) Perfluorooctanoic acid (commonly referred to as “PFOA”) (Chemical Abstracts Service No. 335–67–1).

(B) Perfluorooctane sulfonic acid (commonly referred to as “PFOS”) (Chemical Abstracts Service No. 1763–23–1).

(C) Perfluorobutanesulfonic acid (commonly referred to as “PFBS”) (Chemical Abstracts Service No. 375-73-5).

(D) Perfluorohexane sulfonate (commonly referred to as “PFHxs”) (Chemical Abstracts Service No. 108427-53-8).

(E) Perfluoroheptanoic acid (commonly referred to as “PFHpA”) (Chemical Abstracts Service No. 375-85-9).

(F) Perfluorohexanoic acid (commonly referred to as “PFHxA”) (Chemical Abstracts Service No. 307-24-4).
(G) Perfluorodecanoic acid (commonly referred to as “PFDA”) (Chemical Abstracts Service No. 335-76-2).

(H) Perfluorononanoic acid (commonly referred to as “PFNA”) (Chemical Abstracts Service No. 375-95-1).

(2) The term “PFAS” means a perfluoroalkyl or polyfluoroalkyl substance with at least one fully fluorinated carbon atom, including the chemical GenX.

SEC. 335. PUBLIC DISCLOSURE OF RESULTS OF DEPARTMENT OF DEFENSE TESTING FOR PERFLUOROALKYL OR POLYFLUOROALKYL SUBSTANCES.

(a) Public Disclosure of PFAS Testing.—The Secretary of Defense shall publicly disclose the results of any testing for perfluoroalkyl or polyfluoroalkyl substances (commonly referred to as “PFAS”) conducted on military installations or formerly used defense sites, including—

(1) all such testing results conducted by the Department of Defense; and

(2) all such testing results conducted by a non-Department entity (including any Federal agency and any public or private entity) under contract by
or pursuant to an agreement with the Department of Defense.

(b) NATURE OF DISCLOSURE.—The Secretary of Defense may satisfy the disclosure requirement under subsection (a) by publishing the information, datasets, and results relating to the testing referred to in such subsection—

(1) on the publicly available website established under section 331(b) of the National Defense Authorization Act of 2020 (Public Law 116–92);

(2) on another publicly available website of the Department of Defense; or

(3) in the Federal Register.

e) REQUIREMENTS.—The information required to be disclosed by the Secretary of Defense under subsection (a) and published under subsection (b) shall—

(1) constitute a record for the purposes of chapter 21, 29, 31, and 33 of title 44, United States Code; and

(2) include any underlying datasets or additional information of interest to the public, as determined by the Secretary of Defense.

d) LOCAL NOTIFICATION.—Prior to conducting any testing for perfluoroalkyl or polyfluoroalkyl substances, the Secretary of Defense shall provide to the managers
of the public water system and the publicly owned treatment works serving the areas located immediately adjacent to the military installation where such testing is to occur notice in writing of the testing.

(e) DEFINITIONS.—In this section:

(1) The term “formerly used defense site” means any site formerly used by the Department of Defense or National Guard eligible for environmental restoration by the Secretary of Defense funded under the “Environmental Restoration Account, Formerly Used Defense Sites” account established under section 2703(a)(5) of title 10, United States Code.

(2) The term “military installation” has the meaning given such term in section 2801(c)(4) of title 10, United States Code.

(3) The term “perfluoroalkyl or polyfluoroalkyl substance” means any per or polyfluoroalkyl substance with at least one fully fluorinated carbon atom.

(4) The term “public water system” has the meaning given such term under section 1401(4) of the Safe Drinking Water Act (42 U.S.C. 300f(4)).
The term “treatment works” has the meaning given such term in section 212(2) of the Federal Water Pollution Control Act (33 U.S.C. 1292(2)).

Subtitle C—Logistics and Sustainment

SEC. 351. NATIONAL DEFENSE SUSTAINMENT AND LOGISTICS REVIEW.

(a) In General.—Chapter 2 of title 10, United States Code, is amended by inserting after section 118 the following new section:

“§ 118a. National Defense Sustainment and Logistics Review

“(a) QUADRENNIAL REVIEW REQUIRED.—Two years after the submittal of each national defense strategy under section 113(g) of this title, the Secretary of Defense shall conduct a comprehensive review of the sustainment and logistics requirements necessary to support the force structure, force modernization, infrastructure, and other elements of the defense program and policies of the United States during the subsequent 5-, 10-, and 25-year periods. Each such review shall be known as the ‘National Defense Sustainment and Logistics Review’. Each such review shall be conducted in consultation with the Secretaries of the military departments, the chief of the armed services, the Commander of United States Transportation Com-
mand, and the Commander of the Defense Logistics Agency.

“(b) REPORT TO CONGRESS.—(1) Not later than the first Monday in February of the year following the fiscal year during which the review required by subsection (a) is submitted, the Secretary shall submit to the congressional defense committees a report on the review. Each such report shall include each of the following:

“(A) An assessment of the strategic and tactical maritime logistics force (including non-military assets provided by Military Sealift Command and through the Voluntary Intermodal Sealift Agreement) required to support sealift and at sea logistics requirements of forces to meet steady state and contingency requirements.

“(B) An assessment of the strategic and tactical airlift and tankers (including non-military assets provided by the Civil Reserve Air Fleet and through the Voluntary Tanker Agreement) required to support movement of forces to meet steady state and contingency requirements.

“(C) An assessment of the location, configuration, and inventory of prepositioned materiel and equipment programs required to meet steady state and contingency requirements.
'“(D) An assessment of the location, infrastructure, and storage capacity for petroleum, oil, and lubricant products, as well as the ability to distribute such products from storage supply points to deployed military forces, required to meet steady state and contingency requirements.

“(E) An assessment of the capabilities, capacity, and infrastructure of the Department of Defense organic industrial base and private sector industrial base required to meet steady-state and surge software and depot maintenance requirements.

“(F) An assessment of the production capability, capacity, and infrastructure, of the Department of Defense organic industrial base and private sector industrial base required to meet steady-state and surge production requirements for ammunition and other military munitions.

“(G) An assessment of the condition, capacity, and location of military infrastructure required to project military forces to meet steady-state and contingency requirements.

“(H) An assessment of the cybersecurity risks to military and commercial logistics networks and information technology systems.
“(I) An assessment of the gaps between the requirements identified under subparagraphs (A) through (H) compared to the actual force structure and infrastructure capabilities, capacity, and posture and the risks associated with each gap as it relates to the ability to meet the national defense strategy.

“(J) A discussion of the identified mitigations being pursued to address each gap and risk identified under subparagraph (I) as well as the initiatives and resources planned to address such gaps, as included in the Department of Defense budget request submitted during the same year as the report and the applicable future-years defense program.

“(K) An assessment of the extent to which wargames conducted by the Department of Defense, Joint Staff, geographic combatant commands, and military departments incorporate logistics capabilities and threats and a description of the logistics constraints to operations identified through such wargames.

“(L) Such other matters the Secretary of Defense considers appropriate.

“(2) The report required under this subsection shall be submitted in classified form and shall include an unclassified summary.
“(c) Comptroller General Review.—Not later than 180 days after the date on which Secretary submits each report required under subsection (b), the Comptroller General shall submit to the congressional defense committees a report that includes an assessment of each of the following:

“(1) Whether the report includes each of the elements referred to in subsection (b).

“(2) The strengths and weaknesses of the approach and methodology used in conducting the review required under subsection (a) that is covered by the report.

“(3) Any other matters relating to sustainment that may arise from the report, as the Comptroller General considers appropriate.

“(d) Relationship to Budget.—Nothing in this section shall be construed to affect section 1105(a) of title 31.

“(e) Termination.—The requirement to submit a report under this section shall terminate on the date that is 10 years after the date of the enactment of this section.”.

(b) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by inserting
after the item relating to section 118 the following new item:


(c) DEADLINE FOR SUBMITTAL OF FIRST REPORT.— Notwithstanding the deadline in subsection (b)(1) of section 118a of title 10, United States Code, the Secretary of Defense shall submit the first report under such section by no later than the date that is 18 months after the date of the enactment of this Act.

SEC. 352. EXTENSION OF SUNSET RELATING TO CHARTER AIR TRANSPORTATION SERVICES.

Section 9515(k) of title 10, United States Code, is amended by striking “2020” and inserting “2025”.

SEC. 353. ADDITIONAL ELEMENTS FOR INCLUSION IN NAVY SHIP DEPOT MAINTENANCE BUDGET REPORT.

Section 363(b) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended by adding at the end the following new paragraphs:

“(6) The execution of the planned schedule, categorized by class of ship, for each of the three preceding fiscal years, including—

“(A) the actual contract award compared to the milestone;

“(B) the planned completion date compared to the actual completion date; and

“(C) the actual completion date compared to the planned completion date.”
“(C) each regional maintenance center’s availability schedule performance for on-time availability completion.

“(7) In accordance with the findings of the Government Accountability Office (GAO 20-370)—

“(A) in 2021, an analysis plan for the evaluation of pilot program availabilities funded by the Other Procurement, Navy account; and

“(B) in 2022, a report on the Navy’s progress implementing such analysis plan.”.

SEC. 354. MODIFICATION TO LIMITATION ON LENGTH OF OVERSEAS FORWARD DEPLOYMENT OF NAVAL VESSELS.

Section 323(b) of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. 8690 note) is amended by striking “In the case of any naval vessel” and inserting “In the case of any aircraft carrier, amphibious ship, cruiser, destroyer, frigate, or littoral combat ship”.

SEC. 355. INDEPENDENT ADVISORY PANEL ON WEAPON SYSTEM SUSTAINMENT.

(a) ESTABLISHMENT.—The Secretary of Defense shall establish an independent advisory panel (in this section referred to as the “panel”) on the weapon system sustainment ecosystem. The National Defense University
and the Defense Acquisition University shall sponsor the
panel, including by providing administrative support.

(b) Membership.—

(1) Composition.—The panel shall be com-
prised of nine members, of whom—

(A) five shall be appointed by the Sec-
retary of Defense;

(B) one shall be appointed by the Chair-
man of the Committee on Armed Services of
the Senate;

(C) one shall be appointed by the Ranking
Member of the Committee on Armed Services of
the Senate;

(D) one shall be appointed by the Chair-
man of the Committee on Armed Services of
the House of Representatives; and

(E) one shall be appointed by the Ranking
Member of the Committee on Armed Services of
the House of Representatives.

(2) Expertise.—In making appointments
under this subsection, consideration should be given
to individuals with expertise in public and private-
sector acquisition, sustainment, and logistics policy
in aviation, ground, maritime systems, and space
systems and their related components.
(3) APPOINTMENT DATE.—The appointment of the members of the panel shall be made not later than 120 days after the date of the enactment of this Act.

(c) DUTIES.—The panel shall—

(1) review the weapon system sustainment ecosystem from development, production, and sustainment of the weapon system through use in the field, depot and field-level maintenance, modification, and disposal with a goal of—

(A) maximizing the availability and mission capabilities of weapon systems;

(B) reducing overall life-cycle costs of weapon systems during fielding, operation and sustainment; and

(C) aligning weapon system sustainment functions to the most recent national defense strategy submitted pursuant to section 113 of title 10, United States Code; and

(2) using information from the review of the weapon system sustainment ecosystem, make recommendations related to statutory, regulatory, policy, or operational best practices the panel considers necessary.

(d) REPORT.—
(1) **INTERIM REPORT.**—Not later than one year after the date on which all members of the panel have been appointed, the panel shall provide to the Secretary of Defense and the Committees on Armed Services of the Senate and House of Representatives a briefing on the interim findings and recommendations of the panel.

(2) **FINAL REPORT.**—Not later than two years after the date on which all members of the panel have been appointed, the panel shall submit to the Secretary of Defense and the Committees on Armed Services of the Senate and House of Representatives a report setting for a detailed statement of the findings and conclusions the panel as a result of the review described in subsection (e), together with such recommendations related to statutory, regulatory, policy, or operational practices as the panel considers appropriate in light of the results of the review.

(e) **ADMINISTRATIVE MATTERS.**—

(1) **IN GENERAL.**—The Secretary of Defense shall provide the panel with timely access to appropriate information, data, resources, analysis, and logistics support so that the panel may conduct a
thorough and independent assessment as required under this section.

(2) Effect of lack of appointment by appointment date.—If any member has not been appointed by the date specified in subsection (b)(3), the authority to appoint such member under subsection (b)(1) shall expire, and the number of members of the panel shall be reduced by the number equal to the number of appointments so not made.

(3) Period of appointment; vacancies.—Members of the panel shall be appointed for the duration of the panel. Any vacancy in the panel shall not affect its powers, but shall be filled in the same manner as the original appointment.

(4) Chair.—The panel shall select a Chair from among its members. The Chair may not be a Federal officer or employee.

(f) Termination.—The panel shall terminate 90 days after the date on which the panel submits the report required under subsection (d)(2).

SEC. 356. BIANNUAL BRIEFINGS ON STATUS OF SHIPYARD INFRASTRUCTURE OPTIMIZATION PLAN.

(a) Briefings Required.—During the period beginning on July 1, 2020, and ending on July 1, 2025, the Secretary of the Navy shall provide to the congres-
sional defense committees biannual briefings on the status
of the Shipyard Infrastructure Optimization Plan.

(b) ELEMENTS OF BRIEFINGS.—Each briefing under
subsection (a) shall include a discussion of the status of
each of the following elements:

(1) A master plan for infrastructure develop-
ment, including projected military construction and
capital equipment projects.

(2) A planning and design update for military
construction, minor military construction, and facil-
ity sustainment projects over the subsequent five-
year period.

(3) A human capital management and develop-
ment plan.

(4) A workload management plan that includes
synchronization requirements for each shipyard and
ship class.

(5) Performance metrics and an assessment
plan.

(6) A funding and authority plan that includes
funding lines across the future years defense pro-
gram.
SEC. 357. MATERIEL READINESS METRICS AND OBJECTIVES FOR MAJOR WEAPON SYSTEMS.

(a) IN GENERAL.—Section 118 of title 10, United States Code is amended—

(1) by amending the section heading to read as follows: “Materiel readiness metrics and objectives for major weapon systems”;

(2) by striking “Not later than five days” and inserting the following:

“(d) BUDGET JUSTIFICATION.—Not later than five days”;

(3) by inserting before subsection (d) (as designated by paragraph (2)) the following new subsections:

“(a) MATERIEL READINESS METRICS.—Each head of an element of the Department specified in paragraphs (1) through (10) of section 111(b) of this title shall establish and maintain materiel readiness metrics to enable assessment of the readiness of members of the armed forces to carry out—

“(1) the strategic framework required by section 113(g)(1)(B)(vii) of this title; and

“(2) guidance issued by the Secretary of Defense pursuant to section 113(g)(1)(B) of this title.

“(b) REQUIRED METRICS.—At a minimum, the materiel readiness metrics required by subsection (a) shall
address the materiel availability, operational availability,
operational capability, and materiel reliability of each
major weapon system by designated mission, design series,
variant, or class.

“(c) Materiel Readiness Objectives.—(1) Not
later than one year after the date of the enactment of this
Act, each head of an element described in subsection (a)
shall establish the metrics required by subsection (b) neces-

sary to support the strategic framework and guidance
referred to in paragraph (1) and (2) of subsection (a).

“(2) Annually, each head of an element described in
subsection (a) shall review and revise the metrics required
by subsection (b) and include any such revisions in the
materials submitted to Congress in support of the budget
of the President under section 1105 of title 31.”;

(4) in subsection (d) (as designated by para-

graph (2))—

(A) in paragraph (1)—

(i) by striking “materiel reliability,
and mean down time metrics for each
major weapons system” and inserting
“operational availability, and materiel reli-
ability for each major weapon system”; and

(ii) by inserting “and” at the end;
(B) in paragraph (2), by striking ‘‘; and’’
and inserting a period at the end; and
(C) by striking paragraph (3); and
(5) by adding at the end the following new sub-
section:

‘‘(e) DEFINITIONS.—In this section:

‘‘(1) The term ‘major weapon system’ has the
meaning given in section 2379(f) of this title.

‘‘(2) The term ‘materiel availability’ means a
measure of the percentage of the total inventory of
a major weapon system that is operationally capable
of performing an assigned mission.

‘‘(3) The term ‘materiel reliability’ means the
probability that a major weapon system will perform
without failure over a specified interval.

‘‘(4) The term ‘operational availability’ means a
measure of the percentage of time a major weapon
system is operationally capable.

‘‘(5) The term ‘operationally capable’ means a
materiel condition indicating that a major weapon
system is capable of performing its assigned mission
and has no discrepancies with a subsystem of a
major weapon system.’’.

(b) CLERICAL AMENDMENT.—The table of sections
at the beginning of chapter 2 of title 10, United States
Code, is amended by striking the item relating to section 118 and inserting the following new item:

“118. Materiel readiness metrics and objectives for major defense acquisition programs.”.

(c) BRIEFING.—Not later than October 1, 2021, the Secretary of Defense shall brief the congressional defense committees regarding the implementation of the materiel readiness metrics required under section 118 of title 10, United States Code, as amended by subsection (a).

Subtitle D—Munitions Safety and Oversight

SEC. 361. CHAIR OF DEPARTMENT OF DEFENSE EXPLOSIVE SAFETY BOARD.

(a) RESPONSIBILITIES.—Section 172 of title 10, United States Code, is amended by adding at the end the following new subsections:

“(c) RESPONSIBILITIES OF CHAIR.—The chair of the explosive safety board shall carry out the following responsibilities:

“(1) To act as the principal executive representative and advisor of the Secretary on explosive and chemical agent safety matters related to Department of Defense military munitions.

“(2) To perform the hazard classification approval duties assigned to the chair.
“(3) To preside over meetings of the explosive safety board.

“(4) To direct the staff of the explosive safety board.

“(5) To perform other functions relating to explosives safety management, as directed by the Assistant Secretary of Defense for Sustainment.

“(6) To provide impartial and objective advice related to explosives safety management to the Secretary of Defense and the heads of the military departments.

“(7) To serve as the principal representative and advisor of the Department of Defense on matters relating to explosives safety management.

“(8) To provide assistance and advice to the Under Secretary of Defense for Acquisition and Sustainment and the Deputy Director of Land Warfare and Munitions in munitions acquisition oversight and technology advancement for Department of Defense military munitions, especially in the areas of explosives and chemical agent safety and demilitarization.

“(9) To provide assistance and advice to the Assistant Secretary of Defense for Logistics and Material Readiness in sustainment oversight of De-
partment of Defense military munitions, especially in the areas of explosives and chemical agent safety, storage, transportation, and demilitarization.

“(10) To develop and recommend issuances to define the functions of the explosive safety board.

“(11) To establishes joint hazard classification procedures with covered components of the Department.

“(12) To make recommendations to the Under Secretary of Defense for Acquisition and Sustainment with respect to explosives and chemical agent safety tenets and requirements.

“(13) To conducts oversight of Department of Defense explosive safety management programs.

“(14) To carry out such other responsibilities as the Secretary of Defense determines appropriate.

“(d) RESPONSIBILITIES OF EXECUTIVE DIRECTOR AND CIVILIAN MEMBERS.—The executive director and civilian members of the explosive safety board shall—

“(1) provide assistance to the chair in carrying out the responsibilities specified in subsection (c); and

“(2) carry out such other responsibilities as the chair determines appropriate.
“(e) MEETINGS.—(1) The explosive safety board shall meet not less frequently than quarterly.

“(2) The chair shall submit to the congressional defense committees an annual report describing the activities conducted at the meetings of the board.

“(f) EXCLUSIVE RESPONSIBILITIES.—The explosive safety board shall have exclusive responsibility within the Department of Defense for—

“(1) recommending new and updated explosive and chemical agent safety regulations and standards to the Assistant Secretary of Defense for Energy Installations and Environment for submittal to the Under Secretary of Defense for Acquisition and Sustainment; and

“(2) acting as the primary forum for coordination among covered components of the Department on all matters related to explosive safety management.

“(g) COVERED COMPONENTS.—In this section, the covered components of the Department are each of the following:

“(1) The Office of the Secretary of Defense.

“(2) The military departments.
“(3) The Office of the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Combatant Commands.


“(5) The Defense Agencies.

“(6) The Department of Defense field activities.

“(7) All other organizational entities within the Department.”.

(b) **Deadline for Appointment.**—By not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall take such steps as may be necessary to ensure that the explosive safety board of the Department of Defense, as authorized under section 172 of title 10, United States Code, has a chair who is a military officer and whose responsibilities include the day-to-day management of the explosive safety board and the responsibilities provided in subsection (c) of such section.

(c) **Limitation on Use of Funds.**—Of the amounts authorized to be appropriated or otherwise made available in this Act for the Office of the Under Secretary of Defense for Acquisition and Sustainment for fiscal year 2021, not more than 75 percent may be obligated or expended until the date on which the Under Secretary of Defense certifies to the congressional defense committees
that all board member positions, including the chair, of
the Department of Defense explosive safety board, as au-
thorized under section 172 of title 10, United States Code,
as amended by this section, have been filled by military
officers as required by such section.

SEC. 362. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE PRO-
GRAM.

(a) ROLES, RESPONSIBILITIES, AND AUTHORITIES.—
Section 2284(b) of title 10, United States Code, as amend-
ed by section 1052 of the National Defense Authorization
Act for Fiscal Year 2020 (Public Law 116–92), is further
amended—

(1) in paragraph (1)(A)—

(A) by inserting “and” before “integration”; and

(B) by striking “an Assistant Secretary of
Defense” and inserting “the Assistant Sec-
retary of Defense for Special Operations and
Low Intensity Conflict”;

(2) in paragraph (2), by striking “to whom re-
sponsibility is assigned under paragraph (1)(A)” and
inserting “for Special Operations and Low Intensity
Conflict”;

(3) by redesignating paragraphs (3) and (4) as
paragraphs (4) and (5), respectively; and
(4) by inserting after paragraph (2) the following new paragraph (3):

“(3) the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict shall coordinate with—

“(A) the Under Secretary of Defense for Intelligence on explosive ordnance technical intelligence;

“(B) the Under Secretary of Defense for Acquisition and Sustainment on explosive ordnance disposal research, development, and acquisition;

“(C) the Under Secretary of Defense for Research and Engineering on explosive ordnance disposal research, development, test, and evaluation; and

“(D) the Assistant Secretary of Defense for Homeland Security and Global Security on explosive ordnance disposal on defense support of civil authorities;”.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report of the Explosive Ordnance Disposal Defense Program under section
2284 of title 10, United States Code. Such report shall include each of the following:

(1) The status of the establishment and organization of the Program and the compliance with the requirements of such section, as amended by section 1052 of the National Defense Authorization Act for Fiscal Year 2020.

(2) An assessment of the feasibility and advisability of designating the Joint Program Executive Officer for Armaments and Ammunition as the joint program executive officer for the explosive ordnance disposal program or establishing a rotation of the role between an Army, Navy, and Air Force entity on a periodic basis.

(3) An assessment of the feasibility and advisability of designating the Director of the Defense Threat Reduction Agency with management responsibility for a Defense-wide program element for explosive ordnance disposal research, development, test, and evaluation transactions other than contracts, cooperative agreements, and grants related to section 2371 of title 10, United States Code, during research projects including rapid prototyping and limited procurement urgent activities and acquisition.
SEC. 363. ASSESSMENT OF RESILIENCE OF DEPARTMENT OF DEFENSE MUNITIONS ENTERPRISE.

(a) Assessment.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall enter into an agreement with a federally-funded research and development center with relevant expertise under which such center shall conduct an assessment of the resilience of the Department of Defense munitions enterprise.

(b) Elements.—The assessment required under subsection (a) shall include the following elements:

(1) An identification of the points of failure with respect to the munitions enterprise, including physical locations, materials, suppliers, contractors, and other relevant elements, that, if failure occurs, would have the largest negative impact on the capacity, resiliency, and safety of the enterprise.

(2) An evaluation of the efforts of the Department of Defense to address the points of failure identified under paragraph (1).

(3) Recommendation with respect to any additional efforts or actions that could be taken to provide for mitigation or solutions with respect to such points of failure.
(4) An evaluation of the capacity of the munitions enterprise to support a sudden surge in demand to support a contingency.

(5) An evaluation of the capacity of the munitions enterprise to withstand intentional disruption during a conflict.

(c) REPORT AND BRIEFINGS.—The Secretary shall—

(1) submit to the congressional defense committees a report on the results of assessment conducted under this section by not later than December 31, 2021; and

(2) provide for such committees interim briefings on such assessment upon request.

(d) POINT OF FAILURE.—In this section, the term “point of failure” means, with respect to the munitions enterprise, an aspect of the enterprise, that, if it were to fail or be significantly negatively impacted would cause the portion of the enterprise it supports to either fail or be significantly negatively impacted.

SEC. 364. REPORT ON SAFETY WAIVERS AND MISHAPS IN DEPARTMENT OF DEFENSE MUNITIONS ENTERPRISE.

(a) REPORT REQUIRED.—The Secretary shall include with the Department of Defense materials submitted to Congress with the budget of the President for each of fis-
cal years 2022 through 2025 (as submitted to Congress pursuant to section 1105 of title 31, United States Code), a report on safety waivers provided in the Department of Defense munitions enterprise. Each such report shall include each of the following for the year covered by the report and each of the preceding three years:

(1) A list of each waiver, exemption, and secretarial exemption or certification provided with respect to any Department of Defense munitions safety standard.

(2) For each such waiver, exemption, or certification provided—

(A) the location where the waiver, exemption, or certification was provided;

(B) a summary of the justification used for providing the waiver, exemption, or certification;

(C) the time period during which the waiver, exemption, or certification applies and the number of times such a waiver, exemption, or certification has been provided at that location; and

(D) a list of all safety-related mishaps that occurred at locations where waivers, exemptions, or certifications were in place, and for
each such mishap, whether or not a subsequent investigation determined the waiver, exemption, or certification was related or may have been related to the mishap.

(3) A list and summary of all class A-E mishaps related to the construction, storage, transportation, usage, and demilitarization of munitions.

(4) Any mitigation efforts in place at any location where a waiver, exemption, or certification has been provided or where a safety-related mishap has occurred.

(5) Such other matters as the Secretary determines appropriate.

(b) MUNITIONS DEFINED.—In this section, the term “munitions” includes ammunition, explosives, and chemical agents.

Subtitle E—Other Matters

SEC. 371. PILOT PROGRAM FOR TEMPORARY ISSUANCE OF MATERNITY-RELATED UNIFORM ITEMS.

(a) PILOT PROGRAM.—The Director of the Defense Logistics Agency, in coordination with the Secretaries concerned, shall carry out a pilot program under which each Secretary concerned shall establish an office for issuing maternity-related uniform items to pregnant members of the Armed Forces, on a temporary basis and at no cost...
to such member. In carrying out the pilot program, the Director shall take the following actions:

(1) The Director shall ensure that such offices maintain a stock of each type of maternity-related uniform item determined necessary by the Secretary concerned, including service uniforms items, utility uniform items, and other items relating to the command and duty assignment of the member requiring issuance.

(2) The Director shall ensure that such items have not been treated with the chemical permethrin.

(3) The Director, in coordination with the Secretary concerned, shall determine a standard number of maternity-related uniform items that may be issued per member.

(4) The Secretary concerned shall ensure that any member receiving a maternity-related uniform item returns such item to the relevant office established under paragraph (1) on the date on which the Secretary concerned determines the member no longer requires such item.

(5) The Secretary concerned shall inspect, process, repair, clean, and re-stock items returned by a member pursuant to paragraph (4) for re-issuance from such relevant office.
(6) The Director, in coordination with the Secretaries concerned, may issue such guidance and regulations as necessary to carry out the pilot program.

(b) Termination.—No maternity-related uniform items may be issued to a member of the Armed Forces under the pilot program after September 30, 2026.

(c) Report.—Not later than September 30, 2025, the Director of the Defense Logistics Agency, in coordination with the Secretaries concerned, shall submit to the congressional defense committees a report on the pilot program. Such report shall include each of the following:

(1) For each year during which the pilot program was carried out, the number of members of the Armed Forces who received a maternity-related uniform item under the pilot program.

(2) An overview of the costs associated with, and any savings realized by, the pilot program, including a comparison of the cost of maintaining a stock of maternity-related uniform items for issuance under the pilot program versus the cost of providing allowances to members for purchasing such items.

(3) A recommendation on whether the pilot program should be extended after the date of termi-
nation under subsection (b) and whether legislation is necessary for such extension.

(4) Any other matters that the Secretary of Defense determines appropriate.

(d) AUTHORIZATION OF APPROPRIATIONS.—Of the amounts authorized to be appropriated for operation and maintenance, Defense-wide, for fiscal year 2021, as specified in the funding table in section 4301, $10,000,000 shall be available for implementation of the pilot program.

SEC. 372. SERVICEWOMEN'S COMMEMORATIVE PARTNERSHIPS.

(a) IN GENERAL.—The Secretary of the Army may enter into a contract, partnership, or grant with a non-profit organization for the purpose of providing financial support for the maintenance and sustainment of infrastructure and facilities at military service memorials and museums that highlight the role of women in the military. Such a contract, partnership, or grant shall be referred to as a “Servicewomen’s Commemorative Partnership”.

(b) AUTHORIZATION OF APPROPRIATIONS.—Of the amounts authorized to be appropriated for fiscal year 2021, as identified in division D of this Act, $3,000,000 shall be available for Servicewomen’s Commemorative Partnerships under subsection (a).
SEC. 373. BIODEFENSE ANALYSIS AND BUDGET SUBMISSION.

(a) ANNUAL ANALYSIS.—For each fiscal year, the Director of the Office of Management and Budget shall—

(1) conduct a detailed and comprehensive analysis of Federal biodefense programs; and

(2) develop an integrated biodefense budget submission.

(b) DEFINITION OF BIODEFENSE.—In accordance with the National Biodefense Strategy, the Director shall develop and disseminate to all Federal departments and agencies a unified definition of the term “biodefense” to identify which programs and activities are included in annual budget submission referred to in subsection (a).

(c) REQUIREMENTS FOR ANALYSIS.—The analysis required under subsection (a) shall include—

(1) the display of all funds requested for biodefense activities, both mandatory and discretionary, by agency and categorized by biodefense enterprise element, including threat awareness, prevention, deterrence, preparedness, surveillance and detection, response, attribution (including bioforensic capabilities), recovery, and mitigation; and

(2) detailed explanations of how each program and activity included aligns with biodefense goals.
(d) **SUBMITTAL TO CONGRESS.**— The Director shall submit to Congress the analysis required under subsection (a) for a fiscal year concurrently with the President’s annual budget request for that fiscal year.

**TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS**

**Subtitle A—Active Forces**

**SEC. 401. END STRENGTHS FOR ACTIVE FORCES.**

The Armed Forces are authorized strengths for active duty personnel as of September 30, 2021, as follows:

- (1) The Army, 485,900.
- (2) The Navy, 347,800.
- (3) The Marine Corps, 184,100.
- (4) The Air Force, 327,266.
- (5) The Space Force, 6,434.

**SEC. 402. REVISIONS IN PERMANENT ACTIVE DUTY END STRENGTH MINIMUM LEVELS.**

Section 691(b) of title 10, United States Code, is amended by striking paragraphs (1) through (4) and inserting the following new paragraphs:

“(1) For the Army, 485,900.

“(2) For the Navy, 347,800.

“(3) For the Marine Corps, 184,100.

“(4) For the Air Force, 327,266.

“(5) For the Space Force, 6,434.”.
SEC. 403. MODIFICATION OF THE AUTHORIZED NUMBER
AND ACCOUNTING METHOD FOR SENIOR ENLISTED PERSONNEL.

(a) In General.—Section 517 of title 10, United States Code, is amended—

(1) in the section heading, by striking “daily average” and inserting “enlisted end strength”; and

(2) in subsection (a)—

(A) by striking “daily average number of” and inserting “end strength for”;  

(B) by striking “in a fiscal year” and inserting “as of the last day of a fiscal year”;  

(C) by striking “2.5 percent” and inserting “3.0 percent”; and  

(D) by striking “on the first day of that fiscal year”.

(b) Clerical Amendment.—The table of sections at the beginning of chapter 31 of such title is amended by striking the item relating to section 517 and inserting the following new item:

“517. Authorized enlisted end strength: members in pay grades E–8 and E–9.”.
Subtitle B—Reserve Forces

SEC. 411. END STRENGTHS FOR SELECTED RESERVE.

(a) IN GENERAL.—The Armed Forces are authorized strengths for Selected Reserve personnel of the reserve components as of September 30, 2021, as follows:

(1) The Army National Guard of the United States, 336,500.

(2) The Army Reserve, 189,800.

(3) The Navy Reserve, 58,800.

(4) The Marine Corps Reserve, 38,500.


(6) The Air Force Reserve, 70,300.

(7) The Coast Guard Reserve, 7,000.

(b) END STRENGTH REDUCTIONS.—The end strengths prescribed by subsection (a) for the Selected Reserve of any reserve component shall be proportionately reduced by—

(1) the total authorized strength of units organized to serve as units of the Selected Reserve of such component which are on active duty (other than for training) at the end of the fiscal year; and

(2) the total number of individual members not in units organized to serve as units of the Selected Reserve of such component who are on active duty.
(other than for training or for unsatisfactory participation in training) without their consent at the end of the fiscal year.

(c) **End Strength Increases.**—Whenever units or individual members of the Selected Reserve of any reserve component are released from active duty during any fiscal year, the end strength prescribed for such fiscal year for the Selected Reserve of such reserve component shall be increased proportionately by the total authorized strengths of such units and by the total number of such individual members.

**SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE DUTY IN SUPPORT OF THE RESERVES.**

Within the end strengths prescribed in section 411(a), the reserve components of the Armed Forces are authorized, as of September 30, 2021, the following number of Reserves to be serving on full-time active duty or full-time duty, in the case of members of the National Guard, for the purpose of organizing, administering, recruiting, instructing, or training the reserve components:

1. The Army National Guard of the United States, 30,595.
2. The Army Reserve, 16,511.
4. The Marine Corps Reserve, 2,386.

(6) The Air Force Reserve, 5,256.

**SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS (DUAL STATUS).**

The minimum number of military technicians (dual status) as of the last day of fiscal year 2021 for the reserve components of the Army and the Air Force (notwithstanding section 129 of title 10, United States Code) shall be the following:

(1) For the Army National Guard of the United States, 22,294.

(2) For the Army Reserve, 6,492.

(3) For the Air National Guard of the United States, 10,994.

(4) For the Air Force Reserve, 7,947.

**SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AUTHORIZED TO BE ON ACTIVE DUTY FOR OPERATIONAL SUPPORT.**

During fiscal year 2021, the maximum number of members of the reserve components of the Armed Forces who may be serving at any time on full-time operational support duty under section 115(b) of title 10, United States Code, is the following:
The Army National Guard of the United States, 17,000.
(2) The Army Reserve, 13,000.
(3) The Navy Reserve, 6,200.
(4) The Marine Corps Reserve, 3,000.
(5) The Air National Guard of the United States, 16,000.
(6) The Air Force Reserve, 14,000.

Subtitle C—Authorization of Appropriations

SEC. 421. MILITARY PERSONNEL.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4401.

(b) Construction of Authorization.—The authorization of appropriations in the subsection (a) supersedes any other authorization of appropriations (definite or indefinite) for such purpose for fiscal year 2021.
TITLE V—MILITARY PERSONNEL

POLICY

Subtitle A—Officer Personnel

Policy

SEC. 501. AUTHORIZED STRENGTH: EXCLUSION OF CERTAIN GENERAL AND FLAG OFFICERS OF THE RESERVE COMPONENTS ON ACTIVE DUTY.

Section 526a of title 10, United States Code, is amended—

(1) by redesignating subsections (c) through (h) as subsections (d) through (i), respectively; and

(2) by inserting after subsection (b) the following new subsection (c):

“(c) EXCLUSION OF CERTAIN OFFICERS OF THE RESERVE COMPONENTS.—The limitations of this section do not apply to the following:

“(1) A general or flag officer of a reserve component who is on active duty—

“(A) for training; or

“(B) under a call or order specifying a period of less than 180 days.

“(2)(A) A general or flag officer of a reserve component who is authorized by the Secretary of the military department concerned to serve on active
duty for a period of at least 180 days and not longer than 365 days.

“(B) The Secretary of the military department concerned may authorize a number, determined under subparagraph (C), of officers in the reserve component of each armed force under the jurisdiction of that Secretary to serve as described in subparagraph (A).

“(C) Each number described in subparagraph (B) may not exceed 10 percent of the number of general or flag officers, as the case may be, authorized to serve in the armed force concerned under section 12004 of this title. In determining a number under this subparagraph, any fraction shall be rounded down to the next whole number that is greater than zero.

“(3)(A) A general or flag officer of a reserve component who is on active duty for a period longer than 365 days and not longer than three years.

“(B) The number of officers described in subparagraph (A) who do not serve in a position that is a joint duty assignment for purposes of chapter 38 of this title may not exceed five per armed force, unless authorized by the Secretary of Defense.”.
SEC. 502. DIVERSITY IN SELECTION BOARDS.

(a) REQUIREMENT FOR DIVERSE MEMBERSHIP OF ACTIVE DUTY SELECTION BOARDS.—

(1) OFFICERS.—Section 612(a)(1) of title 10, United States Code, is amended by adding at the end the following new sentence: “The members of a selection board shall represent the diversity of the armed forces to the extent practicable.”.

(2) WARRANT OFFICERS.—Section 573(b) of title 10, United States Code, is amended by adding at the end the following new sentence: “The members of a selection board shall represent the diversity of the armed forces to the extent practicable.”.

(b) REQUIREMENT FOR DIVERSE MEMBERSHIP OF RESERVE COMPONENTS SELECTION BOARDS.—Section 14102(b) of title 10, United States Code, is amended by adding at the end the following new sentence: “The members of a selection board shall represent the diversity of the armed forces to the extent practicable.”.

(c) OTHER SELECTION BOARDS.—

(1) IN GENERAL.—The Secretary of Defense shall ensure that the members of each selection board described in paragraph (2) represent the diversity of the armed forces to the extent practicable.

(2) SELECTION BOARD DESCRIBED.—A selection board described in this paragraph (1) is any se-
lection board used with respect to the promotion, education, or command assignments of members of the Armed Forces that is not covered by the amendments made by this section.

SEC. 503. REDACTION OF PERSONALLY IDENTIFIABLE INFORMATION FROM RECORDS FURNISHED TO A PROMOTION BOARD.

(a) ACTIVE-DUTY OFFICERS.—Section 615(b) of title 10, United States Code, is amended—

1. by redesignating paragraphs (1) through (6) as subparagraphs (A) through (F), respectively;
2. in the matter preceding subparagraph (A), as redesignated, by inserting “(1)” before “The Secretary”;
3. in subparagraph (C), as redesignated, by striking “whose name is furnished to the board” and inserting “under consideration by the board for promotion”;
4. by striking subparagraph (B), as redesignated, and redesignating subparagraphs (C) through (F) as subparagraphs (B) through (E), respectively; and
5. by adding at the end the following new paragraph:
“(2) The Secretary of the military department concerned shall redact any personally identifiable information from the information furnished to a selection board under this section.”.

(b) RESERVE OFFICERS.—Section 14107(b) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (1) through (5) as subparagraphs (A) through (E), respectively;

(2) in the matter preceding subparagraph (A), as redesignated, by inserting “(1)” before “The Secretary”;

(3) in subparagraph (C), as redesignated, by striking “whose name is furnished to the board” and inserting “under consideration by the board for promotion”;

(4) by striking subparagraph (B), as redesignated, and redesignating subparagraphs (C) through (E) as subparagraphs (B) through (D), respectively; and

(5) by adding at the end the following new paragraph:

“(2) The Secretary of the military department concerned shall redact any personally identifiable information from the information furnished to a promotion board under this section.”.
(c) **Enlisted Members.**—Each Secretary of a military department shall prescribe regulations that require the redaction of any personally identifiable information from the information furnished to a board that considers for promotion an enlisted member of an Armed Force under the jurisdiction of that Secretary.

**Subtitle B—Reserve Component Management**

**SEC. 511. Grants to Support STEM Education in the Junior Reserve Officers’ Training Corps.**

(a) **Program Authority.**—

(1) **In general.**—Chapter 102 of title 10, United States Code, is amended by adding at the end the following new section:

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§ 2036. Grants to support science, technology, engineering, and mathematics education

“(a) Authority.—The Secretary, in consultation with the Secretary of Education, may carry out a program to make grants to eligible entities to assist such entities in providing education in covered subjects to students in the Junior Reserve Officers’ Training Corps.

“(b) Coordination.—In carrying out a program under subsection (a), the Secretary may coordinate with the following:
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“(1) The Secretaries of the military departments.

“(2) The Secretary of Education.

“(3) The Director of the National Science Foundation.

“(4) The Administrator of the National Aeronautics and Space Administration.

“(5) The heads of such other Federal, State, and local government entities the Secretary of Defense determines to be appropriate.

“(6) Private sector organizations as the Secretary of Defense determines appropriate.

“(c) Activities.—Activities funded with grants under this section may include the following:

“(1) Training and other support for instructors to teach courses in covered subjects to students.

“(2) The acquisition of materials, hardware, and software necessary for the instruction of covered subjects.

“(3) Activities that improve the quality of educational materials, training opportunities, and curricula available to students and instructors in covered subjects.

“(4) Development of travel opportunities, demonstrations, mentoring programs, and informal edu-
ocation in covered subjects for students and instructors.

“(5) Students’ pursuit of certifications in covered subjects.

“(d) PREFERENCE.—In making any grants under this section, the Secretary shall give preference to eligible entities that are eligible for assistance under part A of title I of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 6311 et seq.).

“(e) EVALUATIONS.—In carrying out a program under this section, the Secretary shall establish outcome-based metrics and internal and external assessments to evaluate the merits and benefits of the activities funded with grants under this section with respect to the needs of the Department of Defense.

“(f) AUTHORITIES.—In carrying out a program under this section, the Secretary shall, to the extent practicable, make use of the authorities under chapter 111 and sections 2601 and 2605 of this title, and other authorities the Secretary determines appropriate.

“(g) DEFINITIONS.—In this section:

“(1) The term ‘eligible entity’ means a local education agency that hosts a unit of the Junior Reserve Officers’ Training Corps.

“(2) The term ‘covered subjects’ means—
“(A) science;
“(B) technology;
“(C) engineering;
“(D) mathematics;
“(E) computer science;
“(F) computational thinking;
“(G) artificial intelligence;
“(H) machine learning;
“(I) data science;
“(J) cybersecurity;
“(K) robotics;
“(L) health sciences; and
“(M) other subjects determined by the Secretary of Defense to be related to science, technology, engineering, and mathematics.”.

(2) Clerical Amendment.—The table of sections at the beginning of chapter 102 of such title is amended by adding at the end the following new item:

“2036. Grants to support science, technology, engineering, and mathematics education.”.

(b) Report.—

(1) In general.—Not later than two years after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on any activities carried
out under section 2036 of title 10, United States Code (as added by subsection (a)).

(2) CONGRESSIONAL DEFENSE COMMITTEES DEFINED.—In this subsection, the term “congressional defense committees” has the meaning given that term in section 101(a)(16) of title 10, United States Code.

SEC. 512. MODIFICATION OF EDUCATION LOAN REPAYMENT PROGRAM FOR MEMBERS OF SELECTED RESERVE.

(a) Modification of Maximum Repayment Amount.—Section 16301(b) of title 10, United States Code, is amended by striking “15 percent or $500” and inserting “20 percent or $1,000”.

(b) Effective Date and Applicability.—The amendment made by subsection (a) shall take effect on the date of the enactment of this Act and shall apply with respect to loan repayment under section 16301 of title 10, United States Code, for eligible years of service completed on or after the date of the enactment of this Act.
SEC. 513. REQUIREMENT OF CONSENT OF THE CHIEF EXECUTIVE OFFICER FOR CERTAIN FULL-TIME NATIONAL GUARD DUTY PERFORMED IN A STATE, TERRITORY, OR THE DISTRICT OF COLUMBIA.

Section 502(f)(2)(A) of title 32, United States Code, is amended by inserting “and performed inside the United States with the consent of the chief executive officer of the State (as that term is defined in section 901 of this title)” after “Defense”.

SEC. 514. CONSTRUCTIVE CREDIT FOR CERTAIN MEMBERS OF THE RESERVE COMPONENTS WHO CANNOT COMPLETE MINIMUM ANNUAL TRAINING REQUIREMENTS AS A RESULT OF THE COVID-19 PANDEMIC.

(a) AUTHORITY.—Under regulations prescribed by the Secretary of Defense, the Secretary, in computing retired pay pursuant to section 12733 of title 10, United States Code, may approve constructive credit, in addition to points earned under section 12732(a)(2) of such title, for a member of the reserve components of the Armed Forces who cannot complete minimum annual training requirements due to cancellation or other extenuating circumstance arising from the covered national emergency.

(b) REPORTING.—
(1) **Report Required.**—Not later than one year after the date on which the covered national emergency ends, the Secretary of Defense shall submit to the congressional defense committees a report on the use of the authority under subsection (a).

(2) **Elements.**—The report under this subsection shall include, with respect to each reserve component, the following:

(A) The number of individuals granted constructive credit as a result of a training cancellation.

(B) The number of individuals granted constructive credit as a result of another extenuating circumstance.

(C) Recommendations of the Secretary whether the authority under subsection (a) should be made permanent and under what circumstances such permanent authority should apply.

(3) **Publication.**—Not later than 30 days after submitting the report under paragraph (1), the Secretary shall—

(A) publish the report on a publicly accessible website of the Department of Defense; and
(B) ensure that any data in the report is made available in a machine-readable format that is downloadable, searchable, and sortable.

(c) COVERED NATIONAL EMERGENCY DEFINED.—In this section, the term “covered national emergency” means the national emergency declared on March 13, 2020, by the President under the National Emergencies Act (50 U.S.C. 1601 et seq.) with respect to COVID–19.

SEC. 515. GUIDANCE FOR USE OF UNMANNED AIRCRAFT SYSTEMS BY THE NATIONAL GUARD.

(a) NEW GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall issue new guidance that provides for the expedited review of requests for the use of unmanned aircraft systems by the National Guard for covered activities within the United States.

(b) COVERED ACTIVITIES DEFINED.—In this section, “covered activities” means the following:

(1) Emergency operations.

(2) Search and rescue operations.

(3) Defense support to civil authorities.

(4) Support under section 502(f) of title 32, United States Code.
SEC. 516. DIRECT EMPLOYMENT PILOT PROGRAM FOR CERTAIN MEMBERS OF THE RESERVE COMPONENTS.

(a) IN GENERAL.—The Secretary of Defense may carry out a pilot program to enhance the efforts of the Department of Defense to provide job placement assistance and related employment services directly to members of the National Guard and Reserves in reserve active-status.

(b) ADMINISTRATION.—Any such pilot program shall be offered to, and administered by, the adjutants general appointed under section 314 of title 32, United States Code, or other officials in the States concerned designated by the Secretary for purposes of the pilot program.

(c) COST-SHARING REQUIREMENT.—As a condition on the provision of funds under this section to a State to support the operation of the pilot program in that State, the State must agree to contribute an amount, derived from non-Federal sources, equal to at least 50 percent of the funds provided by the Secretary to the State under this section.

(d) DEVELOPMENT.—In developing any such pilot program, the Secretary shall—

(1) incorporate elements of State direct employment programs for members of the reserve components; and
(2) use resources provided to members of the Armed Forces with civilian training opportunities through the SkillBridge transition training program administered by the Department of Defense.

(e) DIRECT EMPLOYMENT PROGRAM MODEL.—Any such pilot program shall use a job placement program model that focuses on working one-on-one with eligible members to cost-effectively provide job placement services, including—

(1) identifying unemployed and underemployed individuals;
(2) job matching services;
(3) resume editing;
(4) interview preparation; and
(5) post-employment follow up.

(f) EVALUATION.—The Secretary shall develop outcome metrics to evaluate the success of any such pilot program.

(g) REPORTING.—

(1) REPORT REQUIRED.—If the Secretary carries out the pilot Program, the Secretary of Defense shall submit to the congressional defense committees a report describing the results of the pilot program not later than March 1, 2022. The Secretary shall
prepare the report in coordination with the Chief of
the National Guard Bureau.

(2) ELEMENTS.—A report under paragraph (1)
shall include the following:

(A) A description and assessment of the ef-
ficacy and achievements of the pilot pro-
gram, including the number of members of the
reserve components of the Armed Forces hired
and the cost-per-placement of participating
members.

(B) An assessment of the effects of the
pilot program and increased reserve component
employment on the readiness of members of the
reserve components and on the retention of
members.

(C) A comparison of the pilot program to
other programs conducted by the Department
of Defense to provide unemployment or under-
employment support to members of the reserve
components of the Armed Forces, including the
best practices developed through and used in
such programs.

(D) Any other matters the Secretary of
Defense determines appropriate.

(h) DURATION; EXTENSION.—
Subject to paragraph (2), the authority to carry out the pilot program expires on September 30, 2024.

(2) The Secretary may elect to extend the pilot program for not more than two additional fiscal years.

SEC. 517. TEMPORARY LIMITATION ON AUTHORITY TO TRANSFER, RELOCATE, OR DISSOLVE ELEMENTS OF THE RESERVE COMPONENTS OF THE AIR FORCE.

(a) LIMITATION.—The Secretary of the Air Force may not transfer or relocate any personnel or asset, or dissolve any unit, of the Air National Guard or Air Force Reserve until the latter of the following occurs:

(1) The day that is 180 days after the date on which the Secretary of the Air Force submits the report under subsection (b).

(2) The Chief of Space Operations certifies in writing to the Secretary of the Air Force that plans of the Secretary to establish the reserve components of the Space Force shall not diminish space capability of the Department of the Air Force.

(b) REPORT REQUIRED.—Not later than January 31, 2021, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and House
of Representatives a report regarding the plan of the Sec-
retary to establish the reserve components of the Space
Force. The report shall identify the following:

(1) The assumptions and factors used to de-
velop the plan.

(2) The members of the team that issued rec-
ommendations regarding the organization of such re-
serve components.

(3) The recommendations of the Secretary re-
garding the mission, organization, and unit retention
of such reserve components.

(4) The final organizational and integration
recommendations regarding such reserve compo-
nents.

(5) The proposed staffing and operational orga-
nization for such reserve components.

(6) The estimated date of implementation of
the plan.

(7) Any savings or costs arising from the pres-
ervation of existing space-related force structures in
the Air National Guard.
SEC. 518. PILOT PROGRAMS IN CONNECTION WITH SROTC UNITS AND CSPI PROGRAMS AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND MINORITY INSTITUTIONS.

(a) PILOT PROGRAMS REQUIRED.—The Secretary of Defense may carry out two pilot programs as follows:

(1) A pilot program, with elements as provided for in subsection (c), at covered institutions in order to assess the feasibility and advisability of mechanisms to reduce barriers to participation in the Senior Reserve Officers’ Training Corps at such institutions by creating partnerships between satellite or extension Senior Reserve Officers’ Training Corps units at such institutions and military installations.

(2) In consultation with the Secretary of Homeland Security, a pilot program, with elements as provided for in subsection (d), in order to assess the feasibility and advisability of the provision of financial assistance to members of the Senior Reserve Officers’ Training Corps, and members of the Coast Guard College Student Pre-Commissioning Initiative, at covered institutions for participation in flight training.

(b) DURATION.—The duration of each pilot program under subsection (a) may not exceed five years.
(c) Pilot Program on Partnerships Between Satellite or Extension SROTC Units and Military Installations.—

(1) Participating Institutions.—The Secretary of Defense shall carry out the pilot program required by subsection (a)(1) at not fewer than five covered institutions selected by the Secretary for purposes of the pilot program.

(2) Requirements for Selection.—Each covered institution selected by the Secretary for purposes of the pilot program under subsection (a)(1) shall—

(A) currently maintain a satellite or extension Senior Reserve Officers’ Training Corps unit under chapter 103 of title 10, United States Code, that is located more than 20 miles from the host unit of such unit; or

(B) establish and maintain a satellite or extension Senior Reserve Officers’ Training Corps unit that meets the requirements in subparagraph (A).

(3) Preference in Selection of Institutions.—In selecting covered institutions under this subsection for participation in the pilot program under subsection (a)(1), the Secretary shall give
preference to covered institutions that are located within 20 miles of a military installation of the same Armed Force as the host unit of the Senior Reserve Officers’ Training Corps of the covered institution concerned.

(4) PARTNERSHIP ACTIVITIES.—The activities conducted under the pilot program under subsection (a)(1) between a satellite or extension Senior Reserve Officers’ Training Corps unit and the military installation concerned shall include such activities designed to reduce barriers to participation in the Senior Reserve Officers’ Training Corps at the covered institution concerned as the Secretary considers appropriate, including measures to mitigate travel time and expenses in connection with receipt of Senior Reserve Officers’ Training Corps instruction.

(d) PILOT PROGRAM ON FINANCIAL ASSISTANCE FOR SROTC AND CSPI MEMBERS FOR FLIGHT TRAINING.—

(1) ELIGIBILITY FOR PARTICIPATION BY SROTC AND CSPI MEMBERS.—A member of a Senior Reserve Officers’ Training Corps unit, or a member of a Coast Guard College Student Pre-Commissioning Initiative program, at a covered institution may participate in the pilot program under subsection (a)(2) if the member meets such academic requirements at
the covered institution, and such other requirements,
as the Secretary shall establish for purposes of the
pilot program.

(2) **Preference in selection of participants.**—In selecting members under this subsection
for participation in the pilot program under sub-
section (a)(2), the Secretary shall give a preference
to members who will pursue flight training under the
pilot program at a covered institution.

(3) **Financial assistance for flight training.**—

(A) **In general.**—The Secretary may
provide any member of a Senior Reserve Offi-
cers’ Training Corps unit or a College Student
Pre-Commissioning Initiative program who par-
ticipates in the pilot program under subsection
(a)(2) financial assistance to defray, whether in
whole or in part, the charges and fees imposed
on the member for flight training.

(B) **Flight training.**—Financial assist-
ance may be used under subparagraph (A) for
a course of flight training only if the course
meets Federal Aviation Administration stand-
ards and is approved by the Federal Aviation
Administration and the applicable State approving agency.

(C) USE.—Financial assistance received by a member under subparagraph (A) may be used only to defray the charges and fees imposed on the member as described in that subparagraph.

(D) CESSATION OF ELIGIBILITY.—Financial assistance may not be provided to a member under subparagraph (A) as follows:

(i) If the member ceases to meet the academic and other requirements established pursuant to paragraph (1).

(ii) If the member ceases to be a member of the Senior Reserve Officers’ Training Corps or the College Student Pre-Commissioning Initiative, as applicable.

(e) EVALUATION METRICS.—The Secretary of Defense shall establish metrics to evaluate the effectiveness of the pilot programs under subsection (a).

(f) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the commencement of the pilot programs under subsection (a), the Secretary of Defense shall submit to the Committees on Armed Services of the Senate
and the House of Representatives a report on the pilot programs. The report shall include the following:

(A) A description of each pilot program, including in the case of the pilot program under subsection (a)(2) the requirements established pursuant to subsection (d)(1).

(B) The evaluation metrics established under subsection (e).

(C) Such other matters relating to the pilot programs as the Secretary considers appropriate.

(2) Annual Report.—Not later than 90 days after the end of each fiscal year in which the Secretary carries out the pilot programs, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot programs during such fiscal year. Each report shall include, for the fiscal year covered by such report, the following:

(A) In the case of the pilot program required by subsection (a)(1), a description of the partnerships between satellite or extension Senior Reserve Officers’ Training Corps units and military installations under the pilot program.
(B) In the case of the pilot program required by subsection (a)(2), the following:

(i) The number of members of Senior Reserve Officers’ Training Corps units, and the number of members of Coast Guard College Student Pre-Commissioning Initiative programs, at covered institutions selected for purposes of the pilot program, including the number of such members participating in the pilot program.

(ii) The number of recipients of financial assistance provided under the pilot program, including the number who—

(I) completed a ground school course of instruction in connection with obtaining a private pilot’s certificate;

(II) completed flight training, and the type of training, certificate, or both received;

(III) were selected for a pilot training slot in the Armed Forces;

(IV) initiated pilot training in the Armed Forces; or
(V) successfully completed pilot training in the Armed Forces.

(iii) The amount of financial assistance provided under the pilot program, broken out by covered institution, course of study, and such other measures as the Secretary considers appropriate.

(C) Data collected in accordance with the evaluation metrics established under subsection (e).

(3) Final report.—Not later than 180 days prior to the completion of the pilot programs, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot programs. The report shall include the following:

(A) A description of the pilot programs.

(B) An assessment of the effectiveness of each pilot program.

(C) A description of the cost of each pilot program, and an estimate of the cost of making each pilot program permanent.

(D) An estimate of the cost of expanding each pilot program throughout all eligible Senior Reserve Officers’ Training Corps units and
College Student Pre-Commissioning Initiative programs.

(E) Such recommendations for legislative or administrative action as the Secretary considers appropriate in light of the pilot programs, including recommendations for extending or making permanent the authority for each pilot program.

(g) DEFINITIONS.—In this section:

(1) The term “covered institution” has the meaning given that term in section 262(g)(2) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92).

(2) The term “flight training” means a course of instruction toward obtaining any of the following:

(A) A private pilot’s certificate.

(B) A commercial pilot certificate.

(C) A certified flight instructor certificate.

(D) A multi-crew pilot’s license.

(E) A flight instrument rating.

(F) Any other certificate, rating, or pilot privilege the Secretary considers appropriate for purposes of this section.
(3) The term “military installation” means an installation of the Department of Defense for the regular components of the Armed Forces.

Subtitle C—General Service Authorities and Correction of Military Records

SEC. 521. TEMPORARY AUTHORITY TO ORDER RETIRED MEMBERS TO ACTIVE DUTY IN HIGH-DEMAND, LOW-DENSITY ASSIGNMENTS DURING WAR OR NATIONAL EMERGENCY.

Section 688a of title 10, United States Code, is amended—

(1) by redesignating subsection (g) as subsection (h); and

(2) by inserting after subsection (f) the following new subsection:

“(g) EXCEPTION DURING PERIOD OF WAR OR NATIONAL EMERGENCY.—The limitations in subsections (c) and (f) shall not apply during time of war declared by Congress or of national emergency declared by the President.”.
SEC. 522. REENLISTMENT WAIVERS FOR PERSONS SEPARATED FROM THE ARMED FORCES WHO COMMIT ONE MISDEMEANOR CANNABIS OFFENSE.

(a) In General.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall prescribe regulations that permit any Secretary of a military department to grant a reenlistment waiver to a covered person if the Secretary determines that the reenlistment of that covered person is vital to the national interest.

(b) Definitions.—In this section:

(1) The term “covered person” means an individual—

(A) who has been separated, discharged, dismissed, or released from the Armed Forces; and

(B) who has admitted to or been convicted by a court of competent jurisdiction of a single violation—

(i) of any law of a State or the United States relating to the use or possession of cannabis;

(ii) that constitutes a misdemeanor; and

(iii) that occurred while that individual was not performing active service.
(2) The terms “active service” and “military department” have the meanings given such terms in section 101 of title 10, United States Code.

SEC. 523. REVIEW OF SEAMAN TO ADMIRAL-21 PROGRAM; CREDIT TOWARDS RETIREMENT.

(a) Review.—The Secretary of the Navy shall review personnel records of all participants in the Seaman to Admiral-21 program during fiscal years 2010 through 2014 to determine whether each participant acknowledged, before entering a baccalaureate degree program, that service during the baccalaureate degree program would not be included when computing years of service for retirement.

(b) Credit.—For each participant described in subsection (a) for whom the Secretary cannot find evidence of an acknowledgment described in that subsection, the Secretary shall include service during the baccalaureate degree program when computing—

(1) years of service; and

(2) retired or retainer pay.

(c) Report Required.—The Secretary shall submit a report to the Committees on Armed Services of the Senate and House of Representatives regarding the results of the review under subsection (a) and the number of participants credited with service under subsection (b).
(d) **DEADLINE.**—The Secretary of the Navy shall carry out this section not later than 180 days after the date of the enactment of this Act.

**Subtitle D—Military Justice and Other Legal Matters**

**SEC. 531. PUNITIVE ARTICLE ON VIOLENT EXTREMISM.**

(a) **VIOLENT EXTREMISM.**—

(1) **IN GENERAL.**—Subchapter X of chapter 47 of title 10, United States Code, is amended by inserting after section 916 (article 116 of the Uniform Code of Military Justice) the following new section (article):

§ 916a. Art. 116a. Violent extremism

“(a) **PROHIBITION.**—Any person subject to this chapter who—

“(1) knowingly commits a covered offense against—

“(A) the Government of the United States;

or

“(B) any person or class of people;

“(2)(A) with the intent to intimidate or coerce any person or class of people; or

“(B) with the intent to influence, affect, or retaliate against the policy or conduct of the Government of the United States or any State; and
“(3) does so—

“(A) to achieve political, ideological, religious, social, or economic goals; or

“(B) in the case of an act against a person or class of people, for reasons relating to the race, religion, color, ethnicity, sex, age, disability status, national origin, sexual orientation, or gender identity of the person or class of people concerned;

is guilty of violent extremism and shall be punished as a court-martial may direct.

“(b) ATTEMPTS, SOLICITATION, AND CONSPIRACY.—Any person who attempts, solicits, or conspires to commit an offense under this section shall be punished in the same manner as a person who completes the offense.

“(c) DEFINITIONS.—In this section:

“(1) COVERED OFFENSE.—The term ‘covered offense’ means—

“(A) loss, damage, destruction, or wrongful disposition of military property of the United States, in violation of section 908 of this title (article 108);

“(B) waste, spoilage, or destruction of property other than military property of the
United States, in violation of section 909 of this title (article 109);

“(C) communicating threats, in violation of section 915 of this title (article 115);

“(D) riot or breach of peace, in violation of section 916 of this title (article 116);

“(E) provoking speech or gestures, in violation of section 917 of this title (article 117);

“(F) murder, in violation of section 918 of this title (article 118);

“(G) manslaughter, in violation of section 919 of this title (article 119);

“(H) larceny or wrongful appropriation, in violation of section 921 of this title (article 121);

“(I) robbery, in violation of section 922 of this title (article 122);

“(J) kidnapping, in violation of section 925 of this title (article 125);

“(K) assault, in violation of section 928 of this title (article 128);

“(L) conspiracy to commit an offense specified in any of subparagraphs (A) through (K), as punishable under section 881 of this title (article 81);
“(M) solicitation to commit an offense specified in any of subparagraphs (A) through (K), as punishable under section 882 of this title (article 82); or

“(N) an attempt to commit an offense specified in any of subparagraphs (A) through (K), as punishable under section 880 of this title (article 80).

“(2) STATE.—The term ‘State’ includes any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, and any other possession or territory of the United States.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to section 916 (article 116) the following new item:

“916a 116a. Violent extremism.”.

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act and shall apply to offenses committed on or after such date.

SEC. 532. PRESERVATION OF COURT-MARTIAL RECORDS.

Section 940a of title 10, United States Code (article 140a of the Uniform Code of Military Justice), is amended by adding at the end the following new subsection:
“(d) PRESERVATION OF COURT-MARTIAL RECORDS
WITHOUT REGARD TO OUTCOME.—The standards and
criteria prescribed by the Secretary of Defense under sub-
section (a) shall provide for the preservation of general
and special court-martial records, without regard to the
outcome of the proceeding concerned, for not fewer than
15 years.”.

SEC. 533. ELECTRONIC NOTARIZATION FOR MEMBERS OF
THE ARMED FORCES.

Section 1044a of title 10, United States Code, is
amended by adding at the end the following new sub-
section:

“(e)(1) A person named in subsection (b) may exer-
cise the powers described in subsection (a) through elec-
tronic means, including under circumstances where the in-
dividual with respect to whom such person is performing
the notarial act is not physically present in the same loca-
tion as such person.

“(2) A determination of the authenticity of a notarial
act authorized in this section shall be made without regard
to whether the notarial act was performed through elec-
tronic means.

“(3) A log or journal of a notarial act authorized in
this section shall be considered for evidentiary purposes
without regard to whether the log or journal is in elec-
tronic form.”.

SEC. 534. CLARIFICATIONS REGARDING SCOPE OF EMPLOY-
MENT AND REEMPLOYMENT RIGHTS OF MEM-
BERS OF THE UNIFORMED SERVICES.

(a) Clarification Regarding Definition of
Rights and Benefits.—Section 4303(2) of title 38,
United States Code, is amended—

(1) by inserting “(A)” before “The term”; and

(2) by adding at the end the following new sub-
paragraph:

“(B) Any procedural protections or provisions
set forth in this chapter shall also be considered a
right or benefit subject to the protection of this
chapter.”.

(b) Clarification Regarding Relation to
Other Law and Plans for Agreements.—Section
4302 of such title is amended by adding at the end the
following:

“(c)(1) Pursuant to this section and the procedural
rights afforded by subchapter III of this chapter, any
agreement to arbitrate a claim under this chapter is unen-
forceable, unless all parties consent to arbitration after a
complaint on the specific claim has been filed in court or
with the Merit Systems Protection Board and all parties
knowingly and voluntarily consent to have that particular claim subjected to arbitration.

“(2) For purposes of this subsection, consent shall not be considered voluntary when a person is required to agree to arbitrate an action, complaint, or claim alleging a violation of this chapter as a condition of future or continued employment, advancement in employment, or receipt of any right or benefit of employment.”.

SEC. 535. ABSENTEE BALLOT TRACKING PROGRAM.

(a) Establishment and Operation of Program.—Section 102(h) of the Uniformed and Overseas Citizens Absentee Voting Act (52 U.S.C. 20302(h)) is amended to read as follows:

“(h) Absentee Ballot Tracking Program.—

“(1) Requiring establishment and operation of program.—The chief State election official, in coordination with local election jurisdictions, shall establish and operate an absentee ballot tracking program described in paragraph (2) for the use of absent uniformed services voters and overseas voters.

“(2) Program described.—

“(A) Information on transmission and receipt of absentee ballots.—An absentee
ballot tracking program described in this paragraph is a program under which—

“(i) the State or local election official responsible for the transmission of absentee ballots in an election for Federal office operates procedures to track and confirm the transmission of such ballots and to make information on the transmission of such a ballot available by means of online access using the Internet site of the official’s office; and

“(ii) the State or local election official responsible for the receipt of absentee ballots in an election for Federal office operates procedures to track and confirm the receipt of such ballots and (subject to subparagraph (B)) to make information on the receipt of such a ballot available by means of online access using the Internet site of the official’s office.

“(B) Specific information on receipt of voted absentee ballots.—The information required to be made available under clause (ii) of subparagraph (A) with respect to the receipt of a voted absentee ballot in an election...
for Federal office shall include information regarding whether the vote cast on the ballot was counted, and, in the case of a vote which was not counted, the reasons therefor. The appropriate State or local election official shall make the information described in the previous sentence available during the 30-day period that begins on the date on which the results of the election are certified, or during such earlier 30-day period as the official may provide.

“(3) USE OF TOLL-FREE TELEPHONE NUMBER BY OFFICIALS WITHOUT INTERNET SITE.—A program established and operated by a State or local election official whose office does not have an Internet site may meet the requirements of paragraph (2) if the official has established and operates a toll-free telephone number that may be used to obtain the information on the transmission or receipt of the absentee ballot which is required under such paragraph.”.

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall apply with respect to an election held during 2022 or any succeeding year.
SEC. 536. TRACKING MECHANISM AND REPORTING REQUIREMENTS FOR SUPREMACIST, EXTREMIST, AND CRIMINAL GANG ACTIVITY IN THE ARMED FORCES.

(a) Process Required.—The Secretary of Defense shall develop and implement a process to track investigations, criminal and administrative actions, and final determinations with respect to conduct of members of the covered Armed Forces that is prohibited under Department of Defense Instruction 1325.06, titled “Handling Dissident and Protest Activities Among Members of the Armed Forces”, or any successor instruction.

(b) Elements.—The process under subsection (a) shall include the following:

(1) A mechanism that military criminal investigative organizations may use—

(A) to track criminal investigations into the prohibited conduct described in subsection (a), including a mechanism to track those investigations that are forwarded to commanders for administrative action;

(B) to provide relevant information from criminal investigations and administrative actions to civilian law enforcement agencies; and
(C) to track final administrative actions
taken with respect to investigations that are re-
ferred to commanders.

(2) A mechanism commanders may use to pro-
provide information to military criminal investigative or-
organizations on any serious conduct under consider-
ation for administrative action or any final adminis-
trative actions taken with respect to the prohibited
conduct described in subsection (a).

(3) A standardized database, shared among the
covered Armed Forces, to ensure that the tracking
required under subsection (a) is carried out in the
same manner across such Armed Forces.

(e) Report.—Not later than December 1 of each
year beginning after the date of the enactment of this Act,
the Secretary of Defense shall submit to the appropriate
congressional committees a report on the process imple-
mented under subsection (a). Each report shall include—

(1) the number of investigations, criminal and
administrative actions, and final determinations
tracked over the preceding year; and

(2) of the actions enumerated under paragraph
(1), the number of instances in which information on
the conduct of a member of the covered Armed
Forces was referred to civilian law enforcement agencies as a result of the investigation or action.

(d) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the Committee on the Judiciary and the Committee on Armed Services of the Senate; and

(B) the Committee on the Judiciary and the Committee on Armed Services of the House of Representatives.

(2) The term “covered Armed Forces” means the Army, the Navy, the Air Force, and the Marine Corps.

SEC. 537. MILITARY-CIVILIAN TASK FORCE ON DOMESTIC VIOLENCE AND RELATED INFORMATION COLLECTION ACTIVITIES.

(a) MILITARY-CIVILIAN TASK FORCE ON DOMESTIC VIOLENCE.—

(1) ESTABLISHMENT.—The Secretary of Defense shall establish a military-civilian task force on domestic violence (in this section, referred to as the “Task Force”).

(2) DUTIES.—The duties of the Task Force shall be to analyze and develop recommendations,
for implementation by the Secretary, with respect to each of the following:

(A) The risk of domestic violence at various stages of military service, including identification of—

   (i) stages at which there is a higher than average risk of domestic violence; and

   (ii) stages at which the implementation of domestic violence prevention strategies may have the greatest preventive effect.

(B) The use and dissemination of domestic violence prevention resources throughout the stages of military service including providing new service members with training in domestic violence prevention.

(C) How to best target prevention resources to address those with a higher risk of domestic violence.

(D) The implementation of strategies to prevent domestic violence by training, educating, and assigning prevention-related responsibilities to—

   (i) commanders;
(ii) medical, behavioral, and mental health service providers;

(iii) family advocacy representatives;

(iv) Military Family Life Consultants;

and

(v) other individuals and entities with responsibilities that may be relevant to addressing domestic violence.

(E) The efficacy of providing survivors of domestic violence with the option to request expedited transfers, and the effects of such transfers.

(F) Improvements to procedures for reporting appropriate legal actions to the National Crime Information Center and the efficacy of such procedures.

(G) The effects of domestic violence on—

(i) housing for military families;

(ii) the education of military dependent children;

(iii) servicemember work assignments and careers; and

(iv) the health of servicemembers and their families, including short-term and
long-term health effects and effects on mental health.

(H) Age-appropriate training and education programs for students attending schools operated by the Department of Defense Education Activity that are designed to assist such students in learning positive relationship behaviors in families and with intimate partners.

(I) The potential effects of requiring military protective orders to be issued by a military judge and whether such a requirement would increase the enforcement of military protective orders by civilian law enforcement agencies outside the boundaries of military installations.

(J) Whether prevention of domestic violence would be enhanced by raising the disposition authority for offenses of domestic violence to an officer who is—

(i) in the grade of 0–6 or above;

(ii) in the chain of command of the accused; and

(iii) authorized by chapter 47 of title 10, United States Code (the Uniform Code of Military Justice) to convene special courts martial.
(K) Consideration of any other matters that the Task Force determines to be relevant to—

(i) decreasing the frequency of domestic violence committed by or upon members of the covered Armed Forces and their dependents; and

(ii) reducing the severity of such violence.

(3) MEMBERSHIP.—The Task Force shall be composed of the following members:

(A) One or more representatives of family advocacy programs of the Department of Defense.

(B) One or more representatives of the Defense Advisory Committee on Women in the Services.

(C) One or more medical personnel of the Department of Defense.

(D) One or more Judge Advocates General.

(E) One or more military police or other law enforcement personnel of the covered Armed Forces.

(F) One or more military commanders.
(G) One or more individuals whose duties include planning, executing, and evaluating training of the covered Armed Forces.

(H) Civilians who are experts on domestic violence or who provide services relating to domestic violence, including—

(i) not fewer than two representatives from the national domestic violence resource center and the special issue resource centers referred to in section 310 of the Family Violence Prevention and Services Act (42 U.S.C. 10410);

(ii) not fewer than two representatives from national domestic violence organizations;

(iii) not fewer than two representatives from State domestic violence and sexual assault coalitions; and

(iv) not fewer than two domestic violence service providers who provide services in communities located near military installations.

(I) One or more representatives who are subject matter experts on—
(i) scientific and other research relating to domestic violence; and

(ii) science-based strategies for the prevention, intervention, and response to domestic violence.

(J) Civilian law enforcement personnel.

(K) One or more representatives from the Office on Violence Against Women of the Department of Justice.

(L) One or more representatives of the Family Violence Prevention and Services Program of the Department of Health and Human Services.

(M) One or more representatives from the Centers for Disease Control and Prevention.

(4) APPOINTMENT BY SECRETARY OF DEFENSE.—

(A) IN GENERAL.—The Secretary of Defense shall appoint the members of the Task Force specified in subparagraphs (A) through (M) of paragraph (3).

(B) CONSULTATION.—

(i) CONSULTATION WITH ATTORNEY GENERAL.—In appointing members under subparagraph (K) of paragraph 3, the Sec-
(ii) **Consultation with Secretary of HHS.**—In appointing members under subparagraphs (L) and (M) of such paragraph, the Secretary shall consult with the Secretary of Health and Human Services.

(C) **Inclusion of certain personnel.**—The Secretary shall ensure that the members appointed by the Secretary under this subparagraph include—

(i) representatives of the Office of the Secretary of Defense;

(ii) general and flag officers;

(iii) noncommissioned officers; and

(iv) other enlisted personnel of the covered Armed Forces.

(5) **Total number of members.**—The total number of members appointed to the Task Force shall be not more than 25.

(6) **Chairperson.**—

(A) **Nominee list.**—On an annual basis, the Task Force shall submit to the Secretary a list of members of the Task Force who may be
considered for the position of chairperson of the Task Force.

(B) SELECTION.—From the list submitted to the Secretary under subparagraph (A) for each year, the Secretary of Defense shall designate one member of the Task Force to serve as the chairperson of the Task Force.

(C) TERM.—The chairperson designated by the Secretary under subparagraph (B) shall serve for a term of one year and may serve for additional terms of one year if redesignated as the chairperson by the Secretary under such subparagraph.

(7) MEETINGS.—The first meeting of the Task Force shall convene not later than 180 days after the date of the enactment of this Act. Thereafter, the task Force shall meet in plenary session not less frequently than once annually.

(8) COMPENSATION AND TRAVEL EXPENSES.—Each member of the Task Force shall serve without compensation (other than the compensation to which such member may be entitled as a member of the covered Armed Forces or an officer or employee of the United States, as the case may be), but shall be allowed travel expenses, including per diem in lieu of
subsistence, at rates authorized for employees of
agencies under subchapter I of chapter 57 of title 5,
United States Code, while away from the member’s
home or regular places of business in the perform-
ance of services for the Task Force.

(9) Site Visits.—In the carrying out the du-
ties described in paragraph (2), members of the
Task Force shall—

(A) on an annual basis, visit one or more
military installations outside the United States;
and

(B) on a semianual basis, visit one or
more military installations within the United
States.

(10) Oversight and Administration.—The
Secretary of Defense shall designate an appropriate
organization within the Office of the Secretary of
Defense to—

(A) provide oversight of the Task Force;

(B) provide the Task Force with the per-
sonnel, facilities, and other administrative sup-
port that is necessary for the performance of
the Task Force’s duties; and

(C) on a rotating basis, direct the Sec-
retary of each military department to—
(i) coordinate visits of the Task Force
to military installations; and

(ii) provide administrative, logistical,
and other support for the meetings of the
Task Force.

(11) REPORTS.—

(A) REPORTS TO SECRETARY.—

(i) INITIAL REPORT.—Not later than
one year after the date on which the mem-
bers of the Task Force are appointed
under paragraph (3), the Task Force shall
submit to the Secretary of Defense rec-
ommendations with respect to each matter
described in paragraph (2).

(ii) SUBSEQUENT REPORTS.—After
submitting the initial report under sub-
paragraph (A), the Task Force shall, from
time to time, submit to the Secretary of
Defense such analyses and recommenda-
tions as the Task Force considers appro-
priate to improve the effectiveness of the
covered Armed Forces in responding to
and preventing domestic violence.

(B) REPORTS TO CONGRESS.—On an an-
nual basis until the date on which the Task
Force terminates under paragraph (12), the Task Force shall submit to Congress a report that includes—

(i) a description of any improvements in the response of the covered Armed Forces to domestic violence over the preceding year;

(ii) an explanation of any pending research on domestic violence that may be relevant to domestic violence involving members of the covered Armed Forces; and

(iii) such analyses and recommendations as the Task Force considers appropriate to improve the effectiveness of the covered Armed Forces in responding to and preventing domestic violence

(12) TERMINATION.—

(A) IN GENERAL.—Except as provided in subparagraph (B), the Task Force shall terminate on the date that is five years after the date of the first meeting of the Task Force.

(B) CONTINUATION.—

(i) IN GENERAL.—Subject to clause (ii), the Secretary of Defense may continue
the Task Force for a period of up to two
years after the termination date applicable
under subparagraph (A) if the Secretary
determines that continuation of the Task
Force is advisable and appropriate.

(ii) NOTICE TO CONGRESS.—If the
Secretary determines to continue the Task
Force under clause (i), not later than 90
days before the termination date applicable
under subparagraph (A) and annually
thereafter until the new date of the termi-
nation of the Task Force, the Secretary
shall submit to the Committees on Armed
Services of the Senate and the House of
Representatives a notice describing the
reasons for the continuation and con-
firming the new termination date.

(13) IMPLEMENTATION OF RECOMMENDA-
TIONS.—

(A) IN GENERAL.—Except as provided in
subparagraph (B), not later than 180 days
after the date on which the Secretary of De-
fense receives the initial report of the Task
Force under paragraph (11)(A)(i), the Sec-
retary shall, in consultation with the Task
Force, implement the recommendations of the
Task Force with respect to each matter de-
scribed in paragraph (2).

(B) WAIVER.—The Secretary of Defense
may waive the requirement under subparagraph
(A) with respect to a recommendation of the
Task force by submitting to the Committees on
Armed Services of the Senate and the House of
Representatives a written notification setting
forth the reasons for the Secretary’s decision
not to implement the recommendation.

(b) INFORMATION COLLECTION AND REPORTING.—

(1) INFORMATION COLLECTION.—

(A) REGULAR INFORMATION COLLECTION.—Using the mechanism developed under
subparagraph (B), the Secretary of Defense
shall regularly collect information to measure
the prevalence of domestic violence involving
members of the covered Armed Forces, their in-
timate partners, and immediate family mem-
bers.

(B) MECHANISM TO MEASURE DOMESTIC
VIOLENCE.—The Secretary of Defense, in co-
ordination with the Centers for Disease Control
and civilian organizations with expertise in con-
ducting informational surveys, shall develop a mechanism to carry out the information collection required under subparagraph (A).

(2) Annual report on domestic violence.—

(A) Report required.—On an annual basis, the Secretary of Defense shall submit to the congressional defense committees a report on domestic violence in the covered Armed Forces.

(B) Elements.—The report required under subparagraph (A) shall include, with respect to the year covered by the report, the following:

(i) Based on the information collected under paragraph (1), an assessment of the prevalence of domestic violence involving members of the covered Armed Forces, their intimate partners, and immediate family members.

(ii) The number of convictions under section 928b of title 10, United States Code (article 128b of the Uniform Code of Military Justice).
(iii) The recidivism rate for members of the covered Armed Forces convicted of domestic violence offenses.

(iv) The number instances in which a member of the covered Armed Forces received an administrative discharge as a result of the member’s involvement in a domestic violence incident.

(v) The number of instances in which a member of the covered Armed Forces was prohibited from possessing firearms as a result of the member’s conviction for a domestic violence offense.

(vi) Of the incidents described in clause (v), the number of instances in which the member received a waiver of such prohibition or was otherwise allowed to access firearms for duty purposes.

(vii) An explanation of the status of data sharing between the Department of Defense and civilian law enforcement agencies on matters relating to domestic violence.
(c) COVERED ARMED FORCES DEFINED.—In this section, the term “covered Armed Forces” means the Army, the Navy, the Air Force, and the Marine Corps.

SEC. 538. ACTIONS TO ADDRESS MILITARY-CONNECTED CHILD ABUSE.

(a) IN GENERAL.—Consistent with the recommendations of the Government Accountability Office in the report titled “Increased Guidance and Collaboration Needed to Improve DOD’s Tracking and Response to Child Abuse” (GAO–20–110), the Secretary of Defense shall carry out activities to improve the ability of the Department of Defense to effectively prevent, track, and respond to military-connected child abuse.

(b) ACTIVITIES REQUIRED.—The activities carried out under subsection (a) shall include the following:

(1) The Secretary of Defense shall expand the scope of the Department of Defense’s centralized database on problematic sexual behavior in children and youth to track information on all incidents involving child abuse reported to a Family Advocacy Program or investigated by a military law enforcement organization, regardless of whether the perpetrator of the abuse is another child, an adult, or a person in a noncaregiving role at the time of the incident.
The Secretary of Defense, in consultation with the Secretary of each military department, shall ensure—

(A) that each Family Advocacy Program records, in a database of the Program, the date on which the Program notified a military law enforcement organization of a reported incident of child abuse; and

(B) that each military law enforcement organization records, in a database of the organization, the date on which the organization notified a Family Advocacy Program of a reported incident of child abuse.

(3) The Secretary of Defense, in consultation with the Secretary of each military department, shall issue guidance that clarifies the process through which the Family Advocacy Program of a covered Armed Force will receive, and incorporate into the Program’s central registry, information regarding child abuse allegations involving members of that a covered Armed Force and dependents of such members in cases in which such allegations were previously recorded by the Family Advocacy Program of another covered Armed Force. Such guidance shall
include a mechanism for monitoring the process to ensure that the process is carried out consistently.

(4) Each covered Armed Force shall develop a process to monitor how reported incidents of child abuse are screened at military installations to help ensure that all reported child abuse incidents that should be presented to an Incident Determination Committee are consistently presented and tracked.

(5) The Secretary of Defense shall ensure that the Under Secretary of Defense for Personnel and Readiness, in consultation with the Director of the Department of Defense Education Activity, clarifies Department of Defense Education Activity guidance to define what types of child abuse incidents must be reported as serious incidents to help ensure that all serious incidents of which Department of Defense Education Activity leadership needs to be informed are accurately and consistently reported by school administrators.

(6) The Secretary of Defense, in consultation with the Secretaries of the military departments, shall—

(A) expand the voting membership of each Incident Determination Committee to include
medical personnel with requisite knowledge and experience; and

(B) ensure, to the extent practicable, that voting membership of a Committee includes medical personnel with expertise in pediatric medicine in cases in which a reported incident of child abuse is under review by the Committee.

(7) Each covered Armed Force shall implement procedures to provide the families of child abuse victims with comprehensive information on how reported incidents of child abuse will be addressed. Such practices may include the development of a guide that—

(A) explains the processes the Family Advocacy Program and military law enforcement organizations will follow to address the report; and

(B) identifies services and other resources available to victims and their families.

(8) The Secretary of Defense, in consultation with the Secretaries of the military departments, shall issue guidance to clarify the circumstances under which military commanders may exercise the authority to remove a child from a potentially unsafe
home on a military installation outside the United States.

(9) The Secretary of Defense shall ensure that the Under Secretary of Defense for Personnel and Readiness, in consultation with the Director of the Defense Health Agency, establishes processes that help ensure children who are sexually abused outside the United States have timely access to a certified pediatric sexual assault forensic examiner to conduct an examination. Such processes may include certifying pediatricians, or adult sexual assault forensic examiners who have pediatric sexual assault nurse examiner training in a multidisciplinary team setting, as pediatric examiners during mandatory training or establishing shared regional assets.

(10) The Secretary of Defense, in consultation with the Deputy Attorney General, shall establish procedures for military criminal investigative organizations to communicate with United States Attorneys, State Attorneys General, and local prosecutors for relevant cases involving child victims, including establishing protocols that—

(A) ensure that military investigators are notified when a prosecution is declined;
(B) provide notice to victims of the status of prosecutions and, as applicable, the reasons for the declination to prosecute;

(C) arrange for specialized victim services outside of the Department of Defense to be provided to juvenile victims to the extent possible;

(D) facilitate legal assistance or other civil legal aid services to juvenile victims; and

(E) ensure that juveniles accused of crimes are, to the extent possible, provided defense counsel who are trained in representing juveniles.

(11) The Secretary of each military department shall seek to develop a memorandum of understanding with the National Children’s Alliance that makes children’s advocacy center services and protocols available to all military installations of the department and increases awareness of those services across the department.

(c) Deadline.—The Secretary of Defense shall carry out the activities described in subsection (b) not later than one year after the date of the enactment of this Act.

(d) Definitions.—In this section:
(1) The term “child abuse” means any abuse of a child (including physical abuse, sexual abuse, emotional abuse, and neglect) regardless of whether the perpetrator of the abuse is another child, an adult, or a person in a noncaregiving role.

(2) The term “covered Armed Forces” means the Army, Navy, Air Force, Marine Corps, and Space Force.

(3) The term “Incident Determination Committee” means a committee established at a military installation that is responsible for reviewing reported incidents of child abuse and determining whether such incidents constitute child abuse according to the applicable criteria of the Department of Defense.

(4) The term “military-connected”, when used with respect to child abuse, means child abuse occurring on a military installation or involving a dependent of a member of the covered Armed Forces.

SEC. 539. MULTIDISCIPLINARY BOARD TO EVALUATE SUICIDE EVENTS.

(a) GUIDANCE REQUIRED.—The Secretary of Defense shall issue guidance that requires each suicide event involving of a member of a covered Armed Force to be reviewed by a multidisciplinary board established at the command or installation level. Such guidance shall require
that, for each suicide event reviewed by such a board, the
board will—

(1) clearly define the objective, purpose, and
outcome of the review;

(2) take a multidisciplinary approach to the re-
view and include, as part of the review process, lead-
ers of military units, medical and mental health pro-
professionals, and representatives of military criminal
investigative organizations;

(3) obtain the data necessary to make a com-
prehensive Department of Defense suicide event re-
port submission; and

(4) take appropriate steps to protect and share
information obtained from ongoing investigations
into the event (such as medical and law enforcement
reports).

(b) IMPLEMENTATION BY COVERED ARMED
FORCES.—Not later than 90 days after the date on which
the guidance is issued under subsection (a), the chiefs of
the covered Armed Forces shall implement the guidance.

(c) PROGRESS REPORT.—Not later than 180 days
after the date of the enactment of this Act, the Secretary
of Defense shall submit to the congressional defense com-
mittees a report on the progress of the Secretary in imple-
menting the guidance required under subsection (a).
(d) COVERED ARMED FORCES DEFINED.—In this section, the term “covered Armed Forces” means the Army, Navy, Air Force, Marine Corps, and Space Force.

Subtitle E—Sexual Assault

SEC. 541. PROTECTION OF ATTORNEY-CLIENT PRIVILEGE BETWEEN VICTIMS AND SPECIAL VICTIMS’ COUNSEL.

(a) SPECIAL VICTIMS’ COUNSEL.—Subsection (c) of section 1044e of title 10, United States Code, is amended to read as follows:

“(c) NATURE OF RELATIONSHIP.—

“(1) ATTORNEY-CLIENT RELATIONSHIP.—The relationship between a Special Victims’ Counsel and a victim in the provision of legal advice and assistance shall be the relationship between an attorney and client.

“(2) TESTIMONY IN LEGAL PROCEEDINGS.—

During any criminal legal proceeding in which a Special Victims’ Counsel is asked to testify or give evidence, the Special Victims’ Counsel shall be given the same consideration as counsel for the Government and counsel for the accused.”.

(b) REVISION TO MILITARY RULES OF EVIDENCE.—

Not later than 180 days after the date of the enactment of this Act, Rule 502 of the Military Rules of Evidence
shall be modified to provide that the privilege between a
Special Victims’ Counsel and a client shall be the same
as lawyer-client privilege.

SEC. 542. AUTHORITY OF MILITARY JUDGES AND MILITARY
MAGISTRATES TO ISSUE MILITARY COURT
PROTECTIVE ORDERS.

(a) Judge-issued Military Court Protective
Orders.—Chapter 80 of title 10, United Stated Code, is
amended by adding at the end the following new section
“§1567b. Authority of military judges and military
magistrates to issue military court pro-
tective orders

“(a) Authority to Issue Military Court Pro-
tective Orders.—The President shall prescribe regula-
tions authorizing military judges and military magistrates
to issue protective orders in accordance with this section.
A protective order issued in accordance with this section
shall be known as a ‘military court protective order’.
Under the regulations prescribed by the President, mili-
tary judges and military magistrates shall have exclusive
jurisdiction over the issuance, appeal, renewal, and termi-
nation of military court protective orders and such orders
may not be issued, appealed, renewed, or terminated by
State, local, territorial, or tribal courts.

“(b) Enforcement by Civilian Authorities.—
“(1) IN GENERAL.—In prescribing regulations for military court protective orders, the President shall seek to ensure that the protective orders are issued in a form and manner that is enforceable by State, local, territorial, and tribal civilian law enforcement authorities.

“(2) FULL FAITH AND CREDIT.—Any military court protective order, should be accorded full faith and credit by the court of a State, local, territorial, or tribal jurisdiction (the enforcing jurisdiction) and enforced by the court and law enforcement personnel of that jurisdiction as if it were the order of the enforcing jurisdiction.

“(3) RECIPROCITY AGREEMENTS.—Consistent with paragraphs (1) and (2), the Secretary of Defense shall seek to enter into reciprocity agreements with State, local, territorial, and tribal civilian law enforcement authorities under which—

“(A) such authorities agree to enforce military court protective orders; and

“(B) the Secretary agrees to enforce protective orders issued by such authorities that are consistent with section 2265(b) of title 18.

“(c) PURPOSE AND FORM OF ISSUANCE.—A military court protective order may be issued for the purpose of
protecting a victim of an alleged sex or domestic violence
offense, or a family member or associate of the victim,
from a person subject to chapter 47 of this title (the Uni-
form Code of Military Justice) who is alleged to have com-
mitted such an offense.

“(d) **TIMING AND MANNER OF ISSUANCE.**—A mili-
tary court protective order may be issued—

“(1) by a military magistrate, before referral of
charges and specifications to court-martial for trial,
at the request of—

“(A) a victim of an alleged sex or domestic
violence offense; or

“(B) a Special Victims’ Counsel or other
qualified counsel acting on behalf of the victim;
or

“(2) by a military judge, after referral of
charges and specifications to court-martial for trial,
at the request of qualified counsel, which may in-
clude a Special Victims’ Counsel acting on behalf of
the victim or trial counsel acting on behalf of the
prosecution.

“(e) **DURATION AND RENEWAL OF PROTECTIVE ORDER.**—

“(1) **DURATION.**—A military court protective
order shall be issued for an initial period of thirty
days and may be reissued for one or more additional
periods of thirty days in accordance with paragraph
(2).

“(2) Expiration and renewal.—Before the
expiration of any 30 day period during which a mili-
tary court protective order is in effect, a military
judge or military magistrate shall review the order
to determine whether the order will terminate at the
expiration of such period or be reissued for an addi-
tional period of 30 days.

“(3) Notice to protected persons.—If a
military judge or military magistrate determines
under paragraph (2) that a military court protective
order will terminate, the judge or magistrate con-
cerned shall provide to each person protected by the
order reasonable, timely, and accurate notification of
the termination.

“(f) Review of magistrate-issued orders.—

“(1) Review.—A military judge, at the request
of the person subject to a military court protective
order that was issued by a military magistrate, may
review the order to determine if the order was prop-
erly issued by the magistrate.

“(2) Standards of review.—A military
judge who reviews an order under paragraph (1)
shall terminate the order if the judge determines
that—

“(A) the military magistrate’s decision to
issue the order was an abuse of discretion, and
there is not sufficient information presented to
the military judge to justify the order; or

“(B) information not presented to the military
magistrate establishes that the military
court protective order should be terminated.

“(g) DUE PROCESS.—

“(1) PROTECTION OF DUE PROCESS.—Except
as provided in paragraph (2), a protective order au-
thorized under subsection (a) may be issued only
after reasonable notice and opportunity to be heard,
directly or through counsel, is given to the person
against whom the order is sought sufficient to pro-
tect that person’s right to due process.

“(2) EMERGENCY ORDERS.—A protective order
on an emergency basis may be issued on an ex parte
basis under such rules and limitations as the Presi-
dent shall prescribe. In the case of ex parte orders,
notice and opportunity to be heard must be provided
within a reasonable time after the order is issued,
sufficient to protect the respondent’s due process
rights.
“(h) Rights of Victim.—The victim of an alleged sex or domestic violence offense who seeks a military court protective order has, in addition to any rights provided under section 806b (article 6b), the following rights with respect to any proceeding involving the protective order:

“(1) The right to reasonable, accurate, and timely notice of the proceeding and of any change in the status of the protective order resulting from the proceeding.

“(2) The right to be reasonably heard at the proceeding.

“(3) The right to appear in person, with or without counsel, at the proceeding.

“(4) The right be represented by qualified counsel in connection with the proceeding, which may include a Special Victims’ Counsel.

“(5) The reasonable right to confer with a representative of the command of the accused and counsel representing the government at the proceeding, as applicable.

“(6) The right to submit a written statement, directly or through counsel, for consideration by the military judge or military magistrate presiding over the proceeding.

“(i) Restrictions on Access to Firearms.—
“(1) IN GENERAL.—Notwithstanding any other provision of law—

“(A) a military court protective order issued on an ex parte basis shall restrain a person from possessing, receiving, or otherwise accessing a firearm; and

“(B) a military court protective order issued after the person to be subject to the order has received notice and opportunity to be heard on the order, shall restrain such person from possessing, receiving, or otherwise accessing a firearm in accordance with section 922 of title 18.

“(2) NOTICE TO ATTORNEY GENERAL.—Not later than 72 hours after the issuance of an order described in paragraph (1), the Secretary of Defense shall submit to the Attorney General a record of the order.

“(j) TREATMENT AS LAWFUL ORDER.—A military court protective order shall be treated as a lawful order for purposes of the application of section 892 (article 92) and a violation of such an order shall be punishable under such section (article).

“(k) COMMAND MATTERS.—
“(1) INCLUSION IN PERSONNEL FILE.—Any military court protective order against a member shall be placed and retained in the military personnel file of the member.

“(2) NOTICE TO CIVILIAN LAW ENFORCEMENT OF ISSUANCE.—Any military court protective order against a member shall be treated as a military protective order for purposes of section 1567a including for purposes of mandatory notification of issuance to civilian law enforcement as required by that section.

“(1) RELATIONSHIP TO OTHER AUTHORITIES.—Nothing in this section may be construed as prohibiting—

“(1) a commanding officer from issuing or enforcing any otherwise lawful order in the nature of a protective order to or against members of the officer’s command;

“(2) pretrial restraint in accordance with Rule for Courts-Martial 304 (as set forth in the Manual for Courts-Martial, 2019 edition, or any successor rule); or

“(m) DELIVERY TO CERTAIN PERSONS.—A physical and electronic copy of any military court protective order shall be provided, as soon as practicable after issuance, to the following:

“(1) The person or persons protected by the protective order or to the guardian of such a person if such person is under the age of 18 years.

“(2) The person subject to the protective order.

“(3) To such commanding officer in the chain of command of the person subject to the protective order as the President shall prescribe for purposes of this section.

“(n) DEFINITIONS.—In this section:

“(1) CONTACT.—The term ‘contact’ includes contact in person or through a third party, or through gifts,

“(2) COMMUNICATION.—The term ‘communication’ includes communication in person or through a third party, and by telephone or in writing by letter, data fax, or other electronic means.

“(3) COVERED SEX OR DOMESTIC VIOLENCE OFFENSE.—The term ‘covered sex or domestic violence offense’ means—

“(A) an alleged sex-related offense (as defined in section 1044e(h)); or
“(B) an alleged offense of domestic violence under section 928b of this title (article 128b of the Uniform Code of Military Justice) or an attempt to commit such an offense that is punishable under section 880 of this title (article 80 of the Uniform Code of Military Justice).

“(4) MILITARY JUDGE AND MILITARY MAGISTRATE.—The terms ‘military judge’ and ‘military magistrate’ mean a commissioned officer of the armed forces who is a member of the bar of a Federal court or a member of the bar of the highest court of a State and who is certified to be qualified, by reason of education, training, experience, and judicial temperament, for duty as a military judge or magistrate by the Judge Advocate General of the armed force of which the officer is a member.

“(5) PROTECTIVE ORDER.—The term ‘protective order’ means an order that—

“(A) restrains a person from harassing, stalking, threatening, or otherwise contacting or communicating with a victim of an alleged sex or domestic violence offense, or a family member or associate of the victim, or engaging in other conduct that would place such other per-
son in reasonable fear of bodily injury to any
such other person;

“(B) by its terms, explicitly prohibits—

“(i) the use, attempted use, or threat-
ened use of physical force by the person
against a victim of an alleged sex or do-

mestic violence offense, or a family mem-
ber or associate of the victim, that would
reasonably be expected to cause bodily in-
jury;

“(ii) the initiation by the person re-
strained of any contact or communication
with such other person; or

“(iii) actions described by both clauses
(i) and (ii).

“(6) SPECIAL VICTIMS’ COUNSEL.—The term
‘Special Victims Counsel’ means a Special Victims’
Counsel described in section 1044e and includes a
Victims’ Legal Counsel of the Navy.”.

(b) CLERICAL AMENDMENT.—The table of sections
at the beginning of such chapter is amended by adding
at the end the following new item:

“1567b. Authority of military judges and military magistrates to issue military
court protective orders.”.

(c) IMPLEMENTATION.—The President shall pre-
scribe regulations implementing section 1567b of title 10,
United States Code, not later than one year after the date
of the enactment of this Act.

SEC. 543. ADDITIONAL BASES FOR PROVISION OF ADVICE
BY THE DEFENSE ADVISORY COMMITTEE
FOR THE PREVENTION OF SEXUAL MIS-
CONDUCT.

Section 550B(c)(2) of the National Defense Author-
ization Act for Fiscal Year 2020 (Public Law 116–92) is
amended—

(1) by redesignating subparagraph (C) as sub-
paragraph (E); and

(2) by inserting after subparagraph (B) the fol-
lowing new subparagraphs:

“(C) Efforts among private employers to
prevent sexual assault and sexual harassment
among their employees.

“(D) Evidence-based studies on the pre-
vention of sexual assault and sexual harassment
in the Armed Forces, institutions of higher edu-
cation, and the private sector.”.

SEC. 544. MODIFICATION OF REPORTING AND DATA COL-
LECTION ON VICTIMS OF SEXUAL OFFENSES.

Section 547 of the John S. McCain National Defense
Authorization Act for Fiscal Year 2019 (Public Law 115–
232; 10 U.S.C. 1561 note) is amended—
(1) in subsection (a)—

(A) in paragraph (1)—

(i) by striking “accused of” and inserting “suspected of”; and

(ii) by striking “assault” and inserting “offense”; 

(B) in paragraph (2), by striking “accused of” and inserting “suspected of”; and

(C) in paragraph (3)—

(i) by striking “assaults” and inserting “offenses”; and

(ii) by striking “an accusation” and inserting “suspicion of”;

(2) by redesignating subsection (b) as subsection (c);

(3) by inserting after subsection (b) the following new subsection:

“(b) GUIDANCE REQUIRED.—The Secretary of Defense shall issue guidance to ensure the uniformity of the data collected by each Armed Force for purposes of subsection (a). At a minimum, such guidance shall establish—

“(1) standardized methods for the collection of the data required to be reported under such subsection; and
“(2) standardized definitions for the terms ‘sexual offense’, ‘collateral misconduct’, and ‘adverse action’.”; and

(4) by amending subsection (c), as so redesignated, to read as follows:

“(c) DEFINITIONS.—In this section:

“(1) The term ‘covered individual’ means an individual who is identified in the case files of a military criminal investigative organization as a victim of a sexual offense that occurred while that individual was serving on active duty as a member of the Armed Forces.

“(2) The term ‘suspected of’, when used with respect to a covered individual suspected of collateral misconduct or crimes as described in subsection (a), means that an investigation by a military criminal investigative organization reveals facts and circumstances that would lead a reasonable person to believe that the individual committed an offense under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice).”.
SEC. 545. MODIFICATION OF ANNUAL REPORT REGARDING SEXUAL ASSAULTS INVOLVING MEMBERS OF THE ARMED FORCES.

(a) Submission to Congress.—Section 1631(d) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 1561 note) is amended by inserting “and the Committees on Veterans’ Affairs of the Senate and the House of Representatives” after “House of Representatives”.

(b) Applicability.—The amendment made by subsection (a) shall take effect on the date of the enactment of this Act and shall apply to reports required to be submitted under section 1631 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 1561 note) on or after such date.

SEC. 546. COORDINATION OF SUPPORT FOR SURVIVORS OF SEXUAL TRAUMA.

(a) In General.—Not later than one year after the date of the enactment of this Act, the Secretaries of Defense and Veterans Affairs shall jointly develop, implement, and maintain a standard of coordinated care for members of the Armed Forces who are survivors of sexual trauma. Such standard shall include the following:

(b) Minimum Elements.—The standard developed and implemented under subsection (a) by the Secretaries
of Defense and Veterans Affairs shall include the fol-
lowing:

(1) INFORMATION FOR MEMBERS OF THE
ARMED FORCES.—The Secretary of Defense shall en-
sure that—

(A) Sexual Assault Response Coordinators
and Uniformed Victim Advocates receive annual
training on resources of the Department of Vet-
erans Affairs regarding sexual trauma;

(B) information regarding services fur-
nished by the Secretary of Veterans Affairs to
survivors of sexual trauma is provided to each
such survivor; and

(C) information described in subparagraph
(B) is posted in the following areas in each fa-
cility of the Department of Defense:

(i) An office of the Family Advocacy
Program.

(ii) An office of a mental health care
provider.

(iii) Each area in which sexual assault
prevention staff normally post notices or
information.

(iv) High-traffic areas (including din-
ing facilities).
(2) COORDINATION BETWEEN STAFF OF THE
DEPARTMENTS.—The Secretaries shall ensure that a
Sexual Assault Response Coordinator or Uniformed
Victim Advocate of the Department of Defense who
receives a report of an instance of sexual trauma
connects the survivor to the Military Sexual Trauma
Coordinator of the Department of Veterans Affairs
at the facility of that Department nearest to the resi-
dence of that survivor if that survivor is a member
separating or retiring from the Armed Forces.

(c) REPORTS.—

(1) REPORT ON RESIDENTIAL TREATMENT.—
Not later than 180 days after the date of the enact-
ment of this Act, the Secretaries of Defense and
Veterans Affairs shall provide a report to the appro-
priate committees of Congress regarding the avail-
ability of residential treatment programs for sur-
vivors of sexual trauma, including—

(A) barriers to access for such programs;

and

(B) resources required to reduce such bar-
riers.

(2) INITIAL REPORT.—Upon implementation of
the standard under subsection (a), the Secretaries of
Defense and Veterans Affairs shall jointly submit to
the appropriate committees of Congress a report on
the standard.

(3) Progress Reports.—Not later than 180
days after submitting the initial report under para-
graph (2), and on December 1 of each subsequent
year, the Secretaries of Defense and Veterans Af-
fairs shall jointly submit to the appropriate commit-
tees of Congress a report on the progress of the Sec-
retaries in implementing and improving the stand-
ard.

(4) Updates.—Whenever the Secretaries of
Defense and Veterans Affairs update the standard
developed under subsection (a), the Secretaries shall
jointly submit to the appropriate committees of Con-
gress a report on such update, including a com-
prehensive and detailed description of such update
and the reasons for such update.

(d) Definitions.—In this section:

(1) The term “sexual trauma” means psycho-
logical trauma described in section 1720D(a)(1) of
title 38, United States Code.

(2) The term “appropriate committees of Con-
gress” means—
(A) the Committees on Veterans’ Affairs of
the House of Representatives and the Senate;
and

(B) the Committees on Armed Services of
the House of Representatives and the Senate.

SEC. 547. POLICY ON SEPARATION OF VICTIM AND AC-
CUSED AT MILITARY SERVICE ACADEMIES.

(a) IN GENERAL.—The Secretary of Defense shall,

in consultation with the Secretaries of the military depart-
ments and the Superintendent of each military service
academy, prescribe in regulations a policy under which a
cadet or midshipman of a military service academy who
is the alleged victim of a sexual assault and a cadet or
midshipman who is the alleged perpetrator of such assault
shall, to the extent practicable, each be given the oppor-
tunity to complete their course of study at the academy
without—

(1) taking classes together; or

(2) otherwise being in close proximity to each
other during mandatory activities.

(b) ELEMENTS.—The Secretary of Defense shall en-
sure that the policy developed under subsection (a)—

(1) protects the alleged victim as necessary, in-
cluding by prohibiting retaliatory harassment;
(2) allows both the victim and the accused to complete their course of study at the institution with minimal disruption;

(3) protects the privacy of both the victim and the accused by ensuring that information about the alleged sexual assault and the individuals involved is not revealed to third parties who are not specifically authorized to receive such information in the course of performing their regular duties, except that such policy shall not preclude the alleged victim or the alleged perpetrator from making such disclosures to third parties; and

(4) minimizes the burden on the alleged victim when taking steps to separate the alleged victim and alleged perpetrator.

(e) SPECIAL RULE.—The policy developed under subsection (a) shall not preclude a military service academy from taking other administrative or disciplinary action when appropriate.

(d) MILITARY SERVICE ACADEMY DEFINED.—In this section, the term “military service academy” means the following:

(1) The United States Military Academy.

(2) The United States Naval Academy.

(3) The United States Air Force Academy.
SEC. 548. SAFE-TO-REPORT POLICY APPLICABLE ACROSS THE ARMED FORCES.

(a) In General.—The Secretary of Defense shall, in consultation with the Secretaries of the military departments, prescribe in regulations a safe-to-report policy described in subsection (b) that applies with respect to all members of the covered Armed Forces (including members of the reserve components of the covered Armed Forces) and cadets and midshipmen at the military service academies.

(b) Safe-to-Report Policy.—The safe-to-report policy described in this subsection is a policy that prescribes the handling of minor collateral misconduct involving a member of the covered Armed Forces who is the alleged victim of sexual assault.

(c) Aggravating Circumstances.—The regulations under subsection (a) shall specify aggravating circumstances that increase the gravity of minor collateral misconduct or its impact on good order and discipline for purposes of the safe-to-report policy.

(d) Tracking of Collateral Misconduct Incidents.—In conjunction with the issuance of regulations under subsection (a), Secretary shall develop and implement a process to track incidents of minor collateral misconduct that are subject to the safe-to-report policy.

(e) Definitions.—In this section:
(1) The term “covered Armed Forces” has the meaning given the term “armed forces” in section 101(a)(4) of title 10, United States Code, except such term does not include the Coast Guard.

(2) The term “military service academy” means the following:

(A) The United States Military Academy.

(B) The United States Naval Academy.

(C) The United States Air Force Academy.

(3) The term “minor collateral misconduct” means any minor misconduct that is potentially punishable under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), that—

(A) is committed close in time to or during the sexual assault, and directly related to the incident that formed the basis of the sexual assault allegation;

(B) is discovered as a direct result of the report of sexual assault or the ensuing investigation into the sexual assault; and

(C) does not involve aggravating circumstances (as specified in the regulations prescribed under subsection (c)) that increase the gravity of the minor misconduct or its impact on good order and discipline.
SEC. 549. QUESTION IN WORKPLACE AND GENDER RELATIONS SURVEYS REGARDING PROSECUTIONS OF SEXUAL ASSAULT.

(a) In General.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall include in the covered surveys a question regarding whether a member of an Armed Force under the jurisdiction of the Secretary of a military department would be more willing to report a sexual assault if prosecution decisions were made by lawyers and not commanders.

(b) Covered Surveys Defined.—In this section, the term “covered surveys” means the workplace and gender relations surveys and focus groups administered by the Office of People Analytics of the Department of Defense, including—

(1) the Workplace and Gender Relations Survey of Active Duty Members;

(2) the Workplace and Gender Relations Survey of Reserve Component Members;

(3) the Military Service Gender Relations Focus Group; and

(4) any successor survey or focus group.
SEC. 549A. PILOT PROGRAM ON PROSECUTION OF SPECIAL VICTIM OFFENSES COMMITTED BY ATTENDEES OF MILITARY SERVICE ACADEMIES.

(a) Pilot Program.—Beginning not later than January 1, 2021, the Secretary of Defense shall carry out a pilot program (referred to in this Act as the “Pilot Program”) under which the Secretary shall establish, in accordance with this section, an independent authority to—

(1) review each covered special victim offense; and

(2) determine whether such offense shall be referred to trial by an appropriate court-martial convening authority.

(b) Office of the Chief Prosecutor.—

(1) Establishment.—As part of the Pilot Program, the Secretary shall establish, within the Office of the Secretary of Defense, an Office of the Chief Prosecutor.

(2) Head of Office.—The head of the Office shall be known as the Chief Prosecutor. The Secretary shall appoint as the Chief Prosecutor a commissioned officer in the grade of O–7 or above who—

(A) has significant experience prosecuting sexual assault trials by court-martial; and
(B) is outside the chain of command of any cadet or midshipman described in subsection (f)(2).

(3) Responsibilities.—The Chief Prosecutor shall exercise the authorities described in subsection (c) but only with respect to covered special victim offenses.

(4) Special rule.—Notwithstanding any other provision of law, the military service from which the Chief Prosecutor is appointed is authorized an additional billet for a general officer or a flag officer for each year in the two year period beginning with the year in which the appointment is made.

(5) Termination.—The Office of the Chief Prosecutor shall terminate on the date on which the Pilot Program terminates under subsection (e).

(c) Referral to Office of the Chief Prosecutor.—

(1) Investigation phase.—

(A) Notice and information.—A military criminal investigative organization that receives an allegation of a covered special victim offense shall provide to the Chief Prosecutor and the commander of the military service academy concerned—
(i) timely notice of such allegation;

and

(ii) any information and evidence obtained as the result a subsequent investigation into the allegation.

(B) Trial Counsel.—A trial counsel assigned to a case involving a covered special victim offense shall, during the investigative phase of such case, provide the Chief Prosecutor with the information necessary to enable the Chief Prosecutor to make the determination required under paragraph (3).

(2) Referral to Chief Prosecutor.—In the case of a charge relating to a covered special victim offense, in addition to referring the charge to the staff judge advocate under subsection (a) or (b) of section 834 of title 10, United States Code (article 34 of the Uniform Code of Military Justice), the convening authority of the Armed Force of which the accused is a member shall refer, as soon as reasonably practicable, the charge to the Chief Prosecutor to make the determination required by paragraph (3).

(3) Prosecutorial Determination.—The Chief Prosecutor shall make a determination regard-
ing whether a charge relating to a covered special victim offense shall be referred to trial. If the Chief Prosecutor makes a determination that the charge shall be tried by court-martial, the Chief Prosecutor also shall determine whether the charge shall be tried by a general court-martial convened under section 822 of title 10, United States Code (article 22 of the Uniform Code of Military Justice) or a special court-martial convened under section 823 of such title (article 23 of the Uniform Code of Military Justice). The determination of whether to try a charge relating to a covered special victim offense by court-martial shall include a determination of whether to try any known offenses, including any lesser included offenses.

(4) Effect of determination and appeals process.—

(A) Determination to proceed to trial.—Subject to subparagraph (C), a determination to try a charge relating to a covered special victim offense by court-martial under paragraph (3), and the determination as to the type of court-martial, shall be binding on any convening authority under chapter 47 of title 10, United States Code (the Uniform Code of
Military Justice) for a trial by court-martial on the charge.

(B) Determination not to proceed to trial.—Subject to subparagraph (C), a determination under paragraph (3) not to proceed to trial on a charge relating to a covered special victim offense by general or special court-martial shall be binding on any convening authority under chapter 47 of title 10, United States Code (the Uniform Code of Military Justice) except that such determination shall not operate to terminate or otherwise alter the authority of the convening authority—

(i) to proceed to trial by court-martial on charges of collateral misconducted related to the special victim offense; or

(ii) to impose non-judicial punishment in connection with the conduct covered by the charge as authorized by section 815 of such title (article 15 of the Uniform Code of Military Justice).

(C) Appeal.—In a case in which a convening authority and the staff judge advocate advising such authority disagree with the determination of the Chief Prosecutor under para-
graph (3), the convening authority and staff
judge advocate may jointly appeal the deter-
mination to the General Counsel of the Depart-
ment of Defense. The determination of the Gen-
eral Counsel with respect to such appeal shall
be binding on the Chief Prosecutor and the con-
vening authority concerned.

(5) Trial by Randomized Jury.—After the
Chief Prosecutor makes a determination under para-
graph (3) to proceed to trial on a charge relating to
a covered special victim offense, the matter shall be
tried by a court-martial convened within the Armed
Force of which the accused is a member in accord-
ance with the applicable provisions of chapter 47 of
title 10, United States Code (the Uniform Code of
Military Justice) except that, when convening a
court-martial that is a general or special court-mar-
tial involving a covered special victim offense in
which the accused elects a jury trial, the convening
authority shall detail members of the Armed Forces
as members thereof at random unless the
obtainability of members of the Armed Forces for
such court-martial prevents the convening authority
from detailing such members at random.
(6) **UNLAWFUL INFLUENCE OR COERCION.**—

The actions of the Chief Prosecutor under this subsection whether or not to try charges by court-martial shall be free of unlawful or unauthorized influence or coercion.

(d) **EFFECT ON OTHER LAW.**—This section shall supersede any provision of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), that is inconsistent with this section, but only to the extent of the inconsistency.

(e) **TERMINATION AND TRANSITION.**—

(1) **TERMINATION.**—The authority of the Secretary to carry out the Pilot Program shall terminate four years after the date on which the Pilot Program is initiated.

(2) **TRANSITION.**—The Secretary shall take such actions as are necessary to ensure that, on the date on which the Pilot Program terminates under paragraph (1), any matter referred to the Chief Prosecutor under subsection (c)(2), but with respect to which the Chief Prosecutor has not made a determination under subsection (c)(3), shall be transferred to the appropriate convening authority for consideration.

(f) **DEFINITIONS.**—In this Act:
(1) The term “Armed Force” means an Armed Force under the jurisdiction of the Secretary of a military department.

(2) The term “covered special victim offense” means a special victim offense—

(A) alleged to have been committed on or after the date of the enactment of this Act by a cadet of the United States Military Academy or the United States Air Force Academy, without regard to the location at which the offense was committed; or

(B) alleged to have been committed on or after the date of the enactment of this Act by a midshipman of the United States Naval Academy, without regard to the location at which the offense was committed.

(3) The term “Secretary” means the Secretary of Defense.

(4) The term “special victim offense” means any of the following:

(A) An offense under section 917a, 920, 920b, 920c, or 930 of title 10, United States Code (article 117a, 120, 120b, 120c, or 130 of the Uniform Code of Military Justice).
(B) A conspiracy to commit an offense specified in subparagraph (A) as punishable under section 881 of such title (article 81 of the Uniform Code of Military Justice).

(C) A solicitation to commit an offense specified in subparagraph (A) as punishable under section 882 of such title (article 82 of the Uniform Code of Military Justice).

(D) An attempt to commit an offense specified in subparagraph (A) as punishable under section 880 of such title (article 80 of the Uniform Code of Military Justice).

SEC. 549B. REPORT ON STATUS OF INVESTIGATIONS OF ALLEGED SEX-RELATED OFFENSES.

(a) Reports Required.—Not later than one year after the date of the enactment of this Act, and annually thereafter through December 31, 2025, the Secretary of each military department shall submit to the congressional defense committees a report on the status of investigations into alleged sex-related offenses.

(b) Elements.—Each report under subsection (a) shall include, with respect to investigations into alleged sex-related offenses carried out by military criminal investigative organizations under the jurisdiction of the Secretary concerned during the preceding year, the following:
(1) The total number of investigations.

(2) For each investigation—

(A) the date the investigation was initiated; and

(B) an explanation of whether the investigation is in-progress or complete as of the date of the report and, if complete, the date on which the investigation was completed.

(3) The total number of investigations that are complete as of the date of the report.

(4) The total number of investigations that are in-progress as of the date of the report.

(5) For investigations lasting longer than 180 days, an explanation of the primary reasons for the extended duration of the investigation.

(e) DEFINITIONS.—In this section:

(1) The term “alleged sex-related offense” has the meaning given that term in section 1044(e)(h) of title 10, United States Code.

(2) The term “complete” when used with respect to an investigation of an alleged sex-related offense, means the active phase of the investigation is sufficiently complete to enable the appropriate authority to reach a decision with respect to the disposition of charges for the offense.
Subtitle F—Member Education, Training, and Transition

SECTION 551. COUNSELING IN THE TRANSITION ASSISTANCE PROGRAM REGARDING SEXUAL ASSAULT, SEXUAL OR GENDER HARASSMENT, AND INTIMATE PARTNER VIOLENCE.

Section 1142(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(20) Information concerning health care (including mental health care) furnished by the Secretary of Veterans Affairs to veterans and members of the Armed Forces who have survived sexual assault, sexual or gender harassment, or intimate partner violence.”.

SEC. 552. ESTABLISHMENT OF MENTORING AND CAREER COUNSELING PROGRAM.

(a) In General.—Chapter 107 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2158. Mentoring and career counseling program

“(a) Establishment; Objectives.—The Secretary of Defense, in coordination with the Secretaries of the military departments and the Chief Diversity Officer, shall
implement a program for mentoring and career counseling that—

“(1) ensures that all military occupational specialties and career fields reflect the demographics of the armed forces; and

“(2) ensures that members in all ranks and grades reflect the demographics of the armed forces.

“(b) PROGRAM DESCRIPTION AND COMPONENTS.—The program under subsection (a) shall—

“(1) include mentoring and career counseling efforts that start prior to the initial career field decision point and continue throughout the career of each participating member;

“(2) provide guidance on accession into the military occupational specialties and career fields that experience the highest rates and greatest number of promotions to a grade above O–6; and

“(3) promote information regarding career choices, including opportunities in the reserve components, to optimize the ability of a participating member to make informed career choices from accession to retirement.

“(c) EVALUATION METRICS.—The Secretary of Defense shall establish and maintain metrics to evaluate the effectiveness of the program under this section.”.
(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 107 of such title is amended by at the end the following new item:

“2158. Mentoring and career counseling program.”.

(c) INTERIM REPORT.—

(1) REPORT REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees on Armed Services of the Senate and the House of Representatives a report on the implementation of section 2158 of title 10, United States Code, as added by subsection (a).

(2) ELEMENTS.—The report under paragraph (1) shall include the following:

(A) A description and assessment of the manner in which the Department of Defense shall implement the program under subsection (a) of such section 2158.

(B) The initial evaluation metrics developed under subsection (c) of such section 2158.

(C) An explanation of whether the program will be carried out as part of another program of the Department or through the establishment of a separate program.

(D) A comprehensive description of the additional personnel, resources, and training that
will be required to implement the program, including identification of the specific number of additional billets that will be needed to staff the program.

(E) Recommendations of the Secretary for additional legislation that the Secretary determines necessary to effectively and efficiently implement the program.

(d) Annual Report.—

(1) Report required.—Not later than October 1, 2021, and annually thereafter for three years, the Secretary of Defense shall submit to the congressional defense committees on Armed Services of the Senate and the House of Representatives a report on the program under section 2158 of title 10, United States Code, as added by subsection (a).

(2) Elements.—Each report under paragraph (1) shall include, disaggregated by Armed Force, the following:

(A) The latest evaluation metrics developed under subsection (c) of such section 2158.

(B) The number of individuals, disaggregated by grade, ethnicity, race, and gender, who were eligible for participation in the program.
(C) The number of individuals, disaggregated by grade, ethnicity, race, and gender, who opted out of participation in the program.

(D) An assessment of the effectiveness of the program in advancing the careers of minority commissioned officers.

(e) PUBLICATION.—The Secretary of Defense shall—

(1) publish on an appropriate publicly available website of the Department of Defense the reports required under subsections (c) and (d); and

(2) ensure that any data included with each such report is made available in a machine-readable format that is downloadable, searchable, and sortable.

(f) IMPLEMENTATION DATE.—The Secretary of Defense shall implement the program under section 2158 of title 10, United States Code, as added by subsection (a), not later than one year after the date of the enactment of this Act.

(g) DEFINITIONS.—In this section:

(1) The term "minority person" means any individual who is a citizen of the United States and who is—

(A) Asian American;
(B) Native Hawaiian;
(C) a Pacific Islander;
(D) African American;
(E) Hispanic;
(F) Puerto Rican;
(G) Native American;
(H) an Alaska Native; or
(I) female.

(2) The term “minority commissioned officer” means any commissioned officer who is a minority person.

(3) The term “machine-readable” has the meaning given that term in section 3502(18) of title 44, United States Code.

SEC. 553. DEFENSE LANGUAGE INSTITUTE FOREIGN LANGUAGE CENTER.

(a) Authority to award bachelor’s degrees.—Section 2168 of title 10, United States Code, is amended—

(1) in the section heading, by striking “Associate” and inserting “Associate or Bachelor”; and

(2) by amending subsection (a) to read as follows:
“(a) Subject to subsection (b), the Commandant of the Defense Language Institute may confer—

“(1) an Associate of Arts degree in a foreign language upon any graduate of the Foreign Language Center of the Institute who fulfills the requirements for that degree; or

“(2) a Bachelor of Arts degree in a foreign language upon any graduate of the Foreign Language Center of the Institute who fulfills the requirements for that degree.”.

(b) Clerical Amendment.—The table of sections at the beginning of chapter 108 of title 10, United States Code, is amended by striking the item relating to section 2168 and inserting the following new item:

“2168. Defense Language Institute Foreign Language Center: degree of Associate or Bachelor of Arts in foreign language.”.

SEC. 554. DEFENSE LANGUAGE INSTITUTE FOREIGN LANGUAGE CENTER.

(a) Authority to Award Bachelor’s Degrees.—Section 2168 of title 10, United States Code, is amended—

(1) in the section heading, by striking “Associate” and inserting “Associate or Bachelor”; and

(2) by amending subsection (a) to read as follows:
“(a) Subject to subsection (b), the Commandant of the Defense Language Institute may confer—

“(1) an Associate of Arts degree in a foreign language upon any graduate of the Foreign Language Center of the Institute who fulfills the requirements for that degree; or

“(2) a Bachelor of Arts degree in a foreign language upon any graduate of the Foreign Language Center of the Institute who fulfills the requirements for that degree.”.

(b) Clerical Amendment.—The table of sections at the beginning of chapter 108 of title 10, United States Code, is amended by striking the item relating to section 2168 and inserting the following new item:

“2168. Defense Language Institute Foreign Language Center: degree of Associate or Bachelor of Arts in foreign language.”.

SEC. 555. INCREASE IN NUMBER OF PERMANENT PROFESSORS AT THE UNITED STATES AIR FORCE ACADEMY.

Section 9431(b)(4) of title 10, United States Code, is amended by striking “23” and inserting “25”.

SEC. 556. INFORMATION ON NOMINATIONS AND APPLICATIONS FOR MILITARY SERVICE ACADEMIES.

(a) Congressional Nominations Portal.—

(1) In general.—Not later than one year after the date of the enactment of this Act, the Sec-
retary, in consultation with the Superintendents of
the military service academies, shall ensure that
there is a uniform online portal for all military serv-
ice academies that enables Members of Congress to
nominate individuals for appointment to each acad-
emy through a secure website.

(2) INFORMATION COLLECTION AND REPORT-
ing.—The online portal established under paragraph
(1) shall—

(A) collect, from each Member of Con-
gress, the demographic information described in
subsection (b) for each individual nominated by
the Member; and

(B) collect the information required to be
included in each annual report of the Secretary
under subsection (c) in a manner that enables
the Secretary to automatically compile such in-
formation when preparing the report.

(3) AVAILABILITY OF INFORMATION.—The por-
tal shall allow Members of Congress and their des-
ignees to view past nomination records for all appli-
cation cycles.

(b) STANDARD CLASSIFICATIONS FOR COLLECTION
OF DEMOGRAPHIC DATA.—
(1) Standards Required.—The Secretary, in consultation with the Superintendents of the military service academies, shall establish standard classifications that cadets, midshipmen, and applicants to the academies may use to self-identify gender, race, and ethnicity and to provide other demographic information in connection with admission to or enrollment in an academy.

(2) Consistency with OMB Guidance.—The standard classifications established under paragraph (1) shall be consistent with the standard classifications specified in Office of Management and Budget Directive No. 15 (pertaining to race and ethnic standards for Federal statistics and administrative reporting) or any successor directive.

(3) Incorporation into Applications and Records.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall incorporate the standard classifications established under paragraph (1) into—

(A) applications for admission to the military service academies; and

(B) the military personnel records of cadets and midshipmen enrolled in such academies.
(c) **Annual Report on the Demographics Military Service Academy Applicants.**—

(1) *Report Required.*—Not later than September 30 of each year beginning after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the demographics of applicants to military service academies for the most recently concluded application year.

(2) *Elements.*—Each report under paragraph (1) shall include, with respect to each military service academy, the following:

(A) The number of individuals who submitted an application for admission to the academy in the application year covered by the report.

(B) Of the individuals who submitted an application for admission to the academy in such year—

(i) the overall demographics of applicant pool, disaggregated by the classifications established under subsection (b) and by Member of Congress;

(ii) the number and percentage who received a nomination, disaggregated by
the classifications established under subsection (b) and by Member of Congress;

(iii) the number and percentage who received an offer for appointment to the academy, disaggregated by the classifications established under subsection (b) and by Member of Congress; and

(iv) the number and percentage who accepted an appointment to the academy, disaggregated by the classifications established under subsection (b) and by Member of Congress.

(3) Consultation.—In preparing each report under paragraph (1), the Secretary shall consult with the Superintendents of the military service academies.

(4) Availability of reports and data.—The Secretary shall—

(A) make the results of each report under paragraph (1) available on a publicly accessible website of the Department of Defense; and

(B) ensure that any data included with the report is made available in a machine-readable format that is downloadable, searchable, and sortable.
(d) DEFINITIONS.—In this section:

(1) The term “application year” means the period beginning on January 1 of one year and ending on June 1 of the following year.

(2) The term “congressional defense committees” has the meaning given that term in section 101(a)(16) of title 10, United States Code.

(3) The term “machine-readable” has the meaning given that term in section 3502(18) of title 44, United States Code.

(4) The term “military service academy” means—

(A) the United States Military Academy;

(B) the United States Naval Academy; and

(C) the United States Air Force Academy.

(5) The term “Secretary” means the Secretary of Defense.

SEC. 557. TRANSFORMATION OF THE PROFESSIONAL MILITARY EDUCATION ENTERPRISE.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) professional military education is foundational to the development of ethical and effective military leaders and vital to national security;
(2) oversight of professional military education is an essential part of Congress’ constitutional responsibilities to regulate and maintain the Armed Forces of the United States;

(3) reform of the professional military education system, as directed by the congressional defense committees, has played a central role in the institutionalization of jointness as envisioned by the Goldwater-Nichols Department of Defense Reorganization Act of 1986 (Public Law 99–433);

(4) the Goldwater-Nichols professional military education model has served the Nation well since the end of the Cold War by enabling successful joint military operations across the spectrum of conflict;

(5) recent changes in the national security environment require that the professional military education enterprise adapt to prepare the joint force to successfully defend American interests in evolving areas of strategic competition;

(6) the Department of Defense must transform the professional military education enterprise to meet these challenges by emphasizing focused and rigorous intellectual study reflecting the hard won strategic insights of history, while leveraging advancements in the modern learning environment.
(b) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Department of Defense may be obligated or expended to consolidate, close, or significantly change the curriculum of the National Defense University or any institution of professional military education of an Armed Force until a period of 120 days has elapsed following the date on which the Under Secretary of Defense for Personnel and Readiness submits the report required under subsection (c).

(c) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, acting through the Under Secretary of Defense for Personnel and Readiness, shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the status of the professional military education enterprise.

(2) ELEMENTS.—The report required under paragraph (1) shall include the following:

(A) A consolidated summary that—

(i) lists all components of the professional military education enterprise of the Department of Defense, including all asso-
ciated schools, programs, research centers, and support activities; and

(ii) for each such component, identifies the assigned personnel strength, annual student throughput, and budget details covering the period of three fiscal years preceding the date of the report.

(B) An assessment of the effectiveness and shortfalls of the existing professional military education enterprise as measured against graduate utilization, post-graduate evaluations, and the education and force development requirements of the Chairman of the Joint Chiefs of Staff and the Chiefs of the Armed Forces.

(C) Recommendations to improve the intellectual readiness of the joint force through reforms designed to—

(i) improve the warfighting readiness, intellectual fitness and cognitive ingenuity of military leaders;

(ii) promote development of strategic thinkers capable of developing integrated political-military and cross-domain strategies and new doctrinal concepts;
(iii) enhance the effectiveness, coherence, and efficiency of individual service approaches to professional military education;

(iv) improve the depth and rigor of professional military education curriculum in alignment with national defense strategy pacing threats while enhancing strategic relationships and operational integration with key allies and international security partners; and

(v) foster the deliberate development of world-class faculty through increasing the value of faculty assignments and other appropriate measures.

SEC. 558. COLLEGE OF INTERNATIONAL SECURITY AFFAIRS OF THE NATIONAL DEFENSE UNIVERSITY.

(a) PROHIBITION.—The Secretary of Defense may not eliminate, divest, downsize, or reorganize the College of International Security Affairs, nor its satellite program, the Joint Special Operations Masters of Arts, of the National Defense University, or seek to reduce the number of students educated at the College, or its satellite program, until 30 days after the date on which the congres-
sional defense committees receive the report required by subsection (c).

(b) ASSESSMENT, DETERMINATION, AND REVIEW.—

The Under Secretary of Defense for Policy, in consultation with the Under Secretary of Defense for Personnel and Readiness, the Assistant Secretary of Defense for Special Operations/Low-Intensity Conflict, the Deputy Assistant Secretary of Defense for Counternarcotics and Global Threats, the Deputy Assistant Secretary of Defense for Stability and Humanitarian Affairs, the Deputy Assistant Secretary of Defense for Special Operations and Combating Terrorism, the Chief Financial Officer of the Department, the Chairman of the Joint Chiefs of Staff, and the Commander of United States Special Operations Command, shall—

(1) assess requirements for joint professional military education and civilian leader education in the counterterrorism, irregular warfare, and asymmetrical domains to support the Department and other national security institutions of the Federal Government;

(2) determine whether the importance, challenges, and complexity of the modern counterterrorism environment and irregular and asymmetrical domains warrant—
(A) a college at the National Defense University, or a college independent of the National Defense University whose leadership is responsible to the Office of the Secretary of Defense; and

(B) the provision of resources, services, and capacity at levels that are the same as, or decreased or enhanced in comparison to, those resources, services, and capacity in place at the College of International Security Affairs on January 1, 2019;

(3) review the plan proposed by the National Defense University for eliminating the College of International Security Affairs and reducing and re-structuring the counterterrorism, irregular, and asymmetrical faculty, course offerings, joint professional military education and degree and certificate programs, and other services provided by the College; and

(4) assess the changes made to the College of International Security Affairs since January 1, 2019, and the actions necessary to reverse those changes, including relocating the College and its associated budget, faculty, staff, students, and facilities outside of the National Defense University.
(c) REPORT REQUIRED.—Not later than February 1, 2021, the Secretary shall submit to the congressional defense committees a report on—

(1) the findings of the Secretary with respect to the assessments, determination, and review conducted under subsection (b); and

(2) such recommendations as the Secretary may have for higher education in the counterterrorism, irregular, and asymmetrical domains.

SEC. 559. PUBLIC-PRIVATE CONSORTIUM TO IMPROVE PROFESSIONAL MILITARY EDUCATION.

(a) ESTABLISHMENT.—The Secretary of Defense, acting through the Chairman of the Joint Chiefs of Staff and in consultation with the Under Secretary of Defense for Personnel and Readiness, shall establish and maintain a public-private consortium (referred to in this section as the “Consortium”) to improve and broaden professional military education for military officers and civilian employees of the Federal Government.

(b) DIRECTORS.—

(1) IN GENERAL.—The President of the National Defense University and the head of a civilian institution of higher education appointed in accordance with paragraph (3) shall serve as co-directors of the Consortium.
(2) RESPONSIBILITIES OF CO-DIRECTORS.—The co-directors shall be responsible for—

(A) the administration and management of the Consortium; and

(B) developing a common curriculum for professional military education using input received from members of the Consortium.

(3) APPOINTMENT OF CO-DIRECTOR FROM CIVILIAN INSTITUTION.—Not later than June 1, 2021, the Secretary of Defense shall appoint an individual who is the President or Chancellor of a civilian institution of higher education to serve as co-director of the Consortium as described in paragraph (1).

(4) TERM OF CO-DIRECTOR.—The co-director appointed under paragraph (3) shall serve an initial term of five years. The Secretary of Defense may reappoint such co-director for one or more additional terms of not more than five years, as the Secretary determines appropriate.

(5) AUTHORITY.—In the event that a conflict arises between co-directors of the Consortium, the conflict shall be resolved by the Director for Joint Force Development of the Joint Chiefs of Staff (J-7).
(c) Activities of Consortium.—The Consortium shall carry out the following activities:

1. Bring the military education system (including military service academies, institutions that provide professional military education, and other institutions the provide military education) together with a broad group of civilian institutions of higher education, policy research institutes, and the commercial sector to develop and continually update a research-based curriculum to prepare early career, mid-career, and senior military officers and civilian employees of the Federal Government to succeed in an era that will be predominantly defined by great power competition and in which security challenges will transcend the traditional areas of defense expertise, becoming more complex and inter-related than before, with disruptions that will manifest rapidly and with little warning.

2. Train military officers and civilian educators serving in the joint professional military education system to implement the curriculum developed under paragraph (2) at the institutions they serve.

3. On a regular basis, make recommendations to the Secretary about how the joint professional military education system should be modified to
meet the challenges of apparent or possible future defense, national security, and international environments.

(d) Members.—The Consortium shall be composed of representatives selected by the Secretary of Defense from the following organizations:

(1) Organizations within the joint professional military education system.

(2) Military service academies.

(3) Other institutions of the Federal Government that provide military education.

(4) Civilian institutions of higher education.

(5) Private sector and government policy research institutes.

(6) Organizations in the commercial sector, including organizations from the industrial, finance, and technology sectors.

(e) Annual Report.—Not later than September 30, 2022, and annually thereafter, the co-directors of the Consortium shall submit to the Secretary of Defense and the congressional defense committees a report that describes the activities carried out by the Consortium during the preceding year.

(f) Civilian Institution Defined.—In this section, the term “civilian institution of higher education”
means an institution of higher education (as defined in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001)) that is not owned or controlled by the Federal Government.

**Subtitle G—Military Family Readiness and Dependents’ Education**

**SECTION 561. FAMILY READINESS: DEFINITIONS; COMMUNICATION STRATEGY; REPORT.**

(a) **DEFINITIONS.**—Not later than six months after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretaries of the military departments, shall define the terms “military family readiness” and “military family resiliency”.

(b) **COMMUNICATION STRATEGY.**—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretaries of the military departments, shall establish and implement a strategy regarding communication with military families. The strategy shall include the following:

(1) The use of a variety of modes of communication to ensure the broadest means of communicating with military families.

(2) Updating an existing annual standardized survey that assesses military family readiness to address the following issues:
(A) Communication with beneficiaries.

(B) Child care.

(C) Education,

(D) Spousal employment.

(E) The Exceptional Family Member Program.

(F) Financial literacy.

(G) Financial stress.

(H) Health care (including copayments, network adequacy, and the availability of appointments with health care providers).

(c) REPORT.—Not later than 180 days after the date of the enactment of the Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report regarding the feasibility of implementing the recommendations in—

(1) chapter 3 of the report of the Inspector General of the Department of Defense for fiscal year 2020, “Ensuring Wellness and Wellbeing of Service Members and their Families”; and

(2) the report, dated July 2019, of the National Academies of Science, Engineering and Medicine, titled “Strengthening the Military Family Readiness System for a Changing American Society”.
SEC. 562. SUPPORT SERVICES FOR MEMBERS OF SPECIAL OPERATIONS FORCES AND IMMEDIATE FAMILY MEMBERS.

(a) In General.—Section 1788a of title 10, United States Code, is amended—

(1) in the heading—

(A) by striking “Family support” and inserting “Support”;

(B) by striking “immediate family members of”; and

(C) by adding “; immediate family members” at the end;

(2) in subsection (a), by striking “for the immediate family members of members of the armed forces assigned to special operations forces”;

(3) in subsection (b)(1)—

(A) by striking “the immediate family members”; and

(B) by inserting “and the immediate family members of such members” before the semicolon;

(4) in subsection (d)(2)—

(A) in subparagraph (A)—

(i) by striking “family members of”; and
(ii) by inserting “and immediate family members of such members” before the period;

(B) in subparagraph (B)—

(i) by striking “and on family members of” and inserting a comma; and

(ii) by inserting “, and immediate family members of such members” before the period; and

(5) in subsection (e)(4)—

(A) by inserting “psychological support, spiritual support, and” before “costs’’;

(B) by striking “immediate family members of”;

(C) by inserting “(including the reserve components)” after “members of the armed forces”; and

(D) by inserting “, and immediate family members of such members,” before “while”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 88 of title 10, United States Code, is amended by striking the item relating to section 1788a and inserting the following:

“1788a. Support programs: members of special operations forces; immediate family members”.
SEC. 563. AUTHORITY TO PROVIDE FINANCIAL ASSISTANCE TO CERTAIN IN-HOME CHILD CARE PROVIDERS FOR MEMBERS OF THE ARMED FORCES AND SURVIVORS OF MEMBERS WHO DIE IN COMBAT IN THE LINE OF DUTY.

(a) AUTHORITY.—Section 1798 of title 10, United States Code, is amended—

(1) in subsection (a), in the matter preceding paragraph (1), by inserting “, or to an in-home child care provider,” after “youth program services”; 

(2) by redesignating subsection (c) as subsection (d); and

(3) by inserting after subsection (b) the following new subsection (c):

“(c) ELIGIBLE IN-HOME CHILD CARE PROVIDERS.—The Secretary may determine that an in-home child care provider is eligible for financial assistance under this section.”.

(b) IN-HOME CHILD CARE PROVIDER DEFINED.—Section 1800 of such title is amended by adding at the end the following:

“(5) The term ‘in-home child care provider’ means an individual (including a nanny, babysitter, or au pair) who provides child care services in the home of the child.”.
(c) REGULATIONS.—Not later than July 1, 2021, the Secretary of Defense shall prescribe regulations that establish eligibility requirements and amounts of financial assistance for an in-home child care provider under subsection (c) of section 1798 of title 10, United States Code, as amended by subsection (a).

SEC. 564. EXPANSION OF FINANCIAL ASSISTANCE UNDER MY CAREER ADVANCEMENT ACCOUNT PROGRAM.

Section 580F of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended—

(1) by inserting “or maintenance (including continuing education courses)” after “pursuit”; and

(2) by adding at the end the following: “Such financial assistance may be applied to the costs of national tests that may earn a participating military spouse course credits required for a degree approved under the program (including the College Level Examination Program tests and the Subject Standardized Tests of the Defense Activity for Non-Traditional Education Support Division of the Department of Defense).”
SEC. 565. CHILD CARE.

(a) 24-HOUR CHILD CARE.—If the Secretary of Defense determines it feasible, the Secretary shall furnish child care to each child of a member of the Armed Forces or employee of the Department of Defense while that member or employee works on rotating shifts at a military installation.

(b) METRICS.—Not later than six months after the date of the enactment of this Act, the Secretary of Defense shall develop and implement metrics to evaluate the effectiveness of the child care priority system of the Department of Defense, including—

(1) the speed of placement for children of members of the Armed Forces on active duty;

(2) the type of child care offered;

(3) available spaces in such system, if any; and

(4) other metrics to monitor the child care priority system determined by the Secretary.

(c) REPORT.—Not later than 180 days after the date of the enactment of the Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report regarding the results of a study that evaluates—

(1) the sufficiency of the stipend furnished by the Secretary to members of the Armed Forces for civilian child care; and
(2) whether the amount of such stipend should be based on—

(A) cost of living in the applicable locale;

and

(B) the capacity of licensed civilian child care providers in the local market.

SEC. 566. CONTINUATION OF PAID PARENTAL LEAVE UPON DEATH OF CHILD.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall amend the regulations prescribed pursuant to subsections (i) and (j) of section 701 of title 10, United States Code, to provide that the eligibility of primary and secondary caregivers for paid parental leave that has already been approved shall not terminate upon the death of the child for whom such leave is taken.

SEC. 567. STUDY AND REPORT ON THE PERFORMANCE OF THE DEPARTMENT OF DEFENSE EDUCATION ACTIVITY.

(a) Study.—The Secretary of Defense shall conduct a study on the performance of the Department of Defense Education Activity.

(b) Elements.—The study under subsection (a) shall include the following:
(1) A review of the curriculum relating to health, resiliency, and nutrition taught in schools operated by the Department of Defense Education Activity and a comparison of such curriculum to appropriate education benchmarks.

(2) An analysis of the outcomes experienced by students in such schools, as measured by—

(A) the performance of such students on the National Assessment of Educational Progress carried out under section 303(b)(3) of the National Assessment of Educational Progress Authorization Act (20 U.S.C. 9622(b)(3)); and

(B) any other methodologies used by the Department of Defense Education Activity to measure individual student outcomes.

(3) An assessment of the effectiveness of the School Liaison Officer program of the Department of Defense Education Activity in achieving the goals of the program with an emphasis on goals relating to special education and family outreach.

(c) REPORT.—Not later than 180 days after the date of the enactment of the Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that in-
includes the findings of the study conducted under sub-
section (a).

SEC. 568. COMPTROLLER GENERAL OF THE UNITED
STATES REPORT ON THE STRUCTURAL CON-
DITION OF DEPARTMENT OF DEFENSE EDU-
ICATION ACTIVITY SCHOOLS.

(a) REPORT REQUIRED.—Not later than one year
after the date of the enactment of this Act, the Com-
troller General of the United States shall submit to the
congressional defense committees a report setting forth an
assessment by the Comptroller General of the structural
condition of schools of the Department of Defense Edu-
cation Activity, both within the continental United States
(CONUS) and outside the continental United States
(OCONUS).

(b) VIRTUAL SCHOOLS.—The report shall include an
assessment of the virtual infrastructure or other means
by which students attend Department of Defense Edu-
cation Activity schools that have no physical structure, in-
cluding the satisfaction of the military families concerned
with such infrastructure or other means.
SEC. 569. PILOT PROGRAM TO EXPAND ELIGIBILITY FOR ENROLLMENT AT DOMESTIC DEPENDENT ELEMENTARY AND SECONDARY SCHOOLS.

(a) PILOT PROGRAM AUTHORIZED.—Beginning not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall carry out a pilot program under which a dependent of a full-time, active-duty member of the Armed Forces may enroll in a covered DODEA school at the military installation to which the member is assigned, on a space-available basis as described in subsection (c), without regard to whether the member resides on the installation as described in 2164(a)(1) of title 10, United States Code.

(b) PURPOSES.—The purposes of the pilot program under this section are—

(1) to evaluate the feasibility and advisability of expanding enrollment in covered DODEA schools; and

(2) to determine how increased access to such schools will affect military and family readiness.

(c) ENROLLMENT ON SPACE-AVAILABLE BASIS.—A student participating in the pilot program under this section may be enrolled in a covered DODEA school only if the school has the capacity to accept the student, as determined by the Director of the Department of Defense Education Activity.
(d) LOCATIONS.—The Secretary of Defense shall carry out the pilot program under this section at not more than four military installations at which covered DODEA schools are located. The Secretary shall select military installations for participation in the program based on—

(1) the readiness needs of the Secretary of a the military department concerned; and

(2) the capacity of the DODEA schools located at the installation to accept additional students, as determined by the Director of the Department of Defense Education Activity.

(e) TERMINATION.—The authority to carry out the pilot program under this section shall terminate four years after the date of the enactment of this Act.

(f) COVERED DODEA SCHOOL DEFINED.—In this Section, the term “covered DODEA school” means a domestic dependent elementary or secondary school operated by the Department of Defense Education Activity that—

(1) has been established on or before the date of the enactment of this Act; and

(2) is located in the continental United States.
SEC. 569A. CONTINUED ASSISTANCE TO SCHOOLS WITH SIGNIFICANT NUMBERS OF MILITARY DEPENDENT STUDENTS.

(a) Assistance to Schools With Significant Numbers of Military Dependent Students.—Of the amount authorized to be appropriated for fiscal year 2021 in division D of this Act and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301 of this Act, $40,000,000 shall be available only for the purpose of providing assistance to local educational agencies under subsection (a) of section 572 of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109–163; 20 U.S.C. 7703b).

(b) Impact Aid for Children With Severe Disabilities.—Of the amount authorized to be appropriated for fiscal year 2021 in division D of this Act and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301 of this Act, $10,000,000 shall be available for payments under section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398; 20 U.S.C. 7703a).

(c) Local Educational Agency Defined.—In this section, the term “local educational agency” has the meaning given that term in section 7013(9) of the Ele-
mentary and Secondary Education Act of 1965 (20 U.S.C. 7713(9)).

SEC. 569B. STANDARDIZATION OF THE EXCEPTIONAL FAMILY MEMBER PROGRAM.

(a) POLICY.—Not later than six months after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretaries of the military departments, shall, to the extent practicable, standardize the Exceptional Family Member Program (in this section referred to as the “EFMP”) across the military departments.

(b) ELEMENTS.—The EFMP, standardized under subsection (a), shall include the following:

(1) Processes for the identification and enrollment of dependents of covered members with special needs.

(2) A process for the permanent change of orders for covered members, to ensure seamless continuity of services at the new permanent duty station.

(3) A review process for installations to ensure that health care furnished through the TRICARE program, special needs education programs, and installation-based family support programs are available to military families enrolled in the EFMP.
(4) A standardized respite care benefit across the covered Armed Forces, including the number of hours available under such benefit to military families enrolled in the EFMP.

(5) Outcomes and metrics to evaluate the EFMP.

(6) A requirement that the Secretary of each military department provide a dedicated EFMP attorney, who specializes in education law, at each military installation—

(A) the Secretary determines is a primary receiving installation for military families with special needs; and

(B) in a State that the Secretary determines has historically not supported families enrolled in the EFMP.

(7) The option for a family enrolled in the EFMP to continue to receive all services under that program and the bachelor allowance for housing if—

(A) the covered member receives a new permanent duty station; and

(B) the covered member and family elect for the family not to relocate with the covered member.
(8) A process to discuss policy challenges and opportunities, best practices adopted across the covered Armed Forces, a forum period for discussion with members of military families with special needs, and other matters the Secretary of Defense determines appropriate.

(c) CASE MANAGEMENT.—The Secretary of Defense, in coordination with the Secretaries of the military departments, shall develop an EFMP case management model, including the following:

(1) A single EFMP office, located at the headquarters of each covered Armed Force, to oversee implementation of the EFMP and coordinate health care services, permanent change of station order processing, and educational support services for that covered Armed Force.

(2) An EFMP office at each military installation with case managers to assist each family of a covered member in the development of a plan that addresses the areas specified in subsection (b)(1).

(d) REPORT.—Not later than 180 days after the date of the enactment of the Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the implementation of the items identified under subsections (a),
(b), and (c), including any recommendations of the Secretary regarding legislation.

(c) GAO REPORT.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on—

(1) whether military families have higher rates of disputes and loss of free and appropriate public education under section 504 of the Rehabilitation Act of 1973 (Public Law 93–112; 29 U.S.C. 794) than civilian counterparts; and

(2) an analysis of the number of due process hearings that were filed by school districts against children of members of the Armed Forces.

(f) DEFINITIONS.—In this section:

(1) The term “covered Armed Force” means an Armed Force under the jurisdiction of the Secretary of a military department.

(2) The term “covered member” means a member—

(A) of a covered Armed Force; and

(B) with a dependent with special needs.
Subtitle H—Diversity and Inclusion

SEC. 571. DIVERSITY AND INCLUSION REPORTING REQUIREMENTS.

(a) Standard Diversity Metrics and Annual Reporting Requirement.—Section 113 of title 10, United States Code is amended—

(1) in subsection (c)—

(A) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively; and

(B) by inserting after paragraph (1), the following new paragraph (2):

“(2) a report from each military department on the goals, barriers, and status of diversity and inclusion of that military department;”;

and

(2) in subsection (g)(1)(B), by inserting after clause (vi), the following new clause (vii):

“(vii) Strategic metrics and benchmarks evaluating how the officer and enlisted corps reflects the eligible United States population across all armed forces and ranks.”;

(3) by redesignating subsections (m) and (n) as subsections (n) and (o), respectively; and
(4) by inserting after subsection (k), the following new subsections (l) and (m):

“(l)(1) The Secretary of Defense shall establish and maintain a standard set of strategic metrics and benchmarks toward objectives of:

“(A) an officer and enlisted corps that reflects the eligible U.S. population across all armed forces and ranks; and

“(B) a military force that is able to prevail in its wars, prevent and deter conflict, defeat adversaries and succeed in a wide range of contingencies, and preserve and enhance the all-volunteer force.

“(2) In implementing the requirement in paragraph (1), the Secretary shall—

“(A) establish a universal data collection system to ensure comparability across each military department;

“(B) establish standard definitions of demographic groups, a common methodology, and a common reporting structure across each military department;

“(C) conduct annual barrier analyses to review demographic diversity patterns across the military life cycle, starting with accessions; and
“(D) each year meet with the Secretaries of the military departments, the Chiefs of Staff of the armed forces, and the Chairman of the Joint Chiefs of Staff to assess progress towards the objective under paragraph (1) and establish recommendations to meet such objective.

“(m) The Secretary shall include in each national defense strategy under subsection (g)—

“(1) the demographics, disaggregated by grade, ethnicity, race, gender, and military occupational specialty, for—

“(A) accession into the armed forces;

“(B) the enlisted corps;

“(C) the commissioned officers;

“(D) graduates of the military service academies;

“(E) the rate of promotion in the promotion zone;

“(F) the rate of promotion below the zone for promotion;

“(G) the rates of retention;

“(H) command selection;

“(I) special assignments;

“(J) career broadening assignments;
“(K) aides to general officers and flag officers; and

“(L) any other matter the Secretary determines appropriate;

“(2) an analysis of assignment patterns by ethnicity, race, and gender;

“(3) an analysis of attitudinal survey data by ethnicity, race, and gender;

“(4) an assessment of the available pool of qualified of Asian American, Native Hawaiian, Pacific Islander, African American, Hispanic, Puerto Rican, Native American, Alaska Native and female candidates for pay grades O–9 and O–10;

“(5) identification of persistent, group-specific deviations from overall averages and plans to investigate underlying causes; and

“(6) summaries of progress made on previous actions.”.

(b) NATIONAL GUARD DIVERSITY REPORTING.—Section 10504 of title 10, United States Code is amended by adding at the end the following new subsection (d):

“(d) REPORT ON DIVERSITY AND INCLUSION.—

“(1) IN GENERAL.—Not less than once every four years, the Chief of the National Guard Bureau shall report in writing to the Secretary of Defense
and the Congress on the status of diversity in each State, Territory, and the District of Columbia for all ranks of the Army and Air National Guard.

“(2) ELEMENTS.—Each report under paragraph (1) shall include—

“(A) the demographics, disaggregated by State, grade, ethnicity, race, gender, and military occupational specialty, for—

“(i) accession into the National Guard;

“(ii) the enlisted corps;

“(iii) the commissioned officers;

“(iv) the rate of promotion in the promotion zone;

“(v) the rate of promotion below the zone for promotion;

“(vi) the rates of retention;

“(vii) command selection;

“(viii) special assignments;

“(ix) career broadening assignments;

“(x) aides to a general officer; and

“(xi) any other matter the Chief of the National Guard Bureau determines appropriate;
“(B) an analysis of assignment patterns by ethnicity, race, and gender;

“(C) an analysis of attitudinal survey data by ethnicity, race, and gender;

“(D) an assessment of the available pool of qualified of Asian American, Native Hawaiian, Pacific Islander, African American, Hispanic, Puerto Rican, Native American, Alaska Native and female candidates for pay grades O–9 and O–10;

“(E) identification of persistent, group-specific deviations from overall averages and plans to investigate underlying causes; and

“(F) summaries of progress made on previous actions.

“(3) PUBLIC AVAILABILITY.—The Chief of the National Guard Bureau shall—

“(A) publish on an appropriate publicly available website of the National Guard the reports required under paragraph (1); and

“(B) ensure that any data included with the report is made available in a machine-readable format that is downloadable, searchable, and sortable.”.
(c) COAST GUARD DIVERSITY REPORTING.—Section 5101 of title 14, United States Code is amended—

(1) in subsection (b)—

(A) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively; and

(B) by inserting after paragraph (1), the following new paragraph (2):

“(2) the goals, barriers, and status of diversity and inclusion;”;

and

(3) by adding at the end the following new subsection (c):

“(c) Not less than once every four years, the Secretary shall include in the annual request under subsection (a)—

“(1) the demographics, disaggregated by grade, ethnicity, race, gender, and military occupational specialty, for—

“(A) accession into the Coast Guard;

“(B) the enlisted corps;

“(C) the commissioned officers;

“(D) graduates of the Coast Guard Academy;

“(E) the rate of promotion in the promotion zone;
“(F) the rate of promotion below the zone for promotion;

“(G) the rates of retention;

“(H) command selection;

“(I) special assignments;

“(J) career broadening assignments;

“(K) aides to a flag officer; and

“(L) any other matter the Secretary determines appropriate;

“(2) an analysis of assignment patterns by ethnicity, race, and gender;

“(3) an analysis of attitudinal survey data by ethnicity, race, and gender;

“(4) an assessment of the available pool of qualified of Asian American, Native Hawaiian, Pacific Islander, African American, Hispanic, Puerto Rican, Native American, Alaska Native and female candidates for pay grades O–9 and O–10;

“(5) identification of persistent, group-specific deviations from overall averages and plans to investigate underlying causes; and

“(6) summaries of progress made on previous actions.”.

(d) REQUIREMENT TO CONSIDER MINORITY OFFICERS FOR O–9 AND O–10 GRADES.—
(1) Army, Navy, Air Force, Marine Corps, and Space Force.—Section 601 of title 10, United States Code is amended by adding at the end the following new subsections:

“(e) The Chairman of the Joint Chiefs of Staff shall consider all Asian American, Native Hawaiian, Pacific Islander, African American, Hispanic, Puerto Rican, Native American, Alaska Native and female candidates prior to recommending to the President an initial appointment to the grade of lieutenant general or vice admiral, or an initial appointment to the grade of general or admiral.

“(f) When seeking the advice and consent of the Senate under subsection (a), the President shall submit to the Committee on Armed Services of the Senate a certification that—

“(1) all Asian American, Native Hawaiian, Pacific Islander, African American, Hispanic, Puerto Rican, Native American, Alaska Native and female candidates were considered for appointment; and

“(2)(A) none of the candidates under subparagraph (A) met the qualifications needed by an officer serving in that position or office to carry out effectively the duties and responsibilities of that position or office; or
“(B) the officers in the positions designated under subsection (a) represent the diversity of the armed forces to the extent practicable.”.

(2) COAST GUARD.—Section 305(a) of title 14, United States Code, is amended by adding at the end the following new paragraphs:

“(4) The Commandant shall consider all Asian American, Native Hawaiian, Pacific Islander, African American, Hispanic, Puerto Rican, Native American, Alaska Native and female candidates prior to recommending to the President an initial appointment to the grade of vice admiral, or an initial appointment to the grade of admiral.

“(5) When seeking the advice and consent of the Senate under subsection (a), the President shall submit to the committee of the Senate with jurisdiction over the department in which the Coast Guard is operating a certification that—

“(A) all Asian American, Native Hawaiian, Pacific Islander, African American, Hispanic, Puerto Rican, Native American, Alaska Native and female candidates were considered for appointment; and

“(B)(i) none of the candidates under subparagraph (A) met the qualifications needed by an officer serving in that position or office to carry out ef-
fectively the duties and responsibilities of that posi-
tion or office; or

“(ii) the officers in the positions designated
under subsection (a) represent the diversity of the
armed forces to the extent practicable.”.

SEC. 572. ESTABLISHMENT OF DIVERSITY AND INCLUSION
ADVISORY COUNCIL OF THE DEPARTMENT
OF DEFENSE.

(a) ESTABLISHMENT.—Chapter 7 of title 10, United
States Code, is amended by inserting before section 187
the following:

“§ 186. Diversity and Inclusion Advisory Council

“(a) ESTABLISHMENT.—The Secretary of the De-
partment of Defense (referred to in this section as the
‘Secretary’) shall establish a council to be known as the
‘Diversity and Inclusion Advisory Council of the Depart-
ment of Defense’ (referred to in this section as the ‘Coun-
cil’).

“(b) DUTIES.—The Council shall provide advice and
recommendations to the Secretary on matters concerning
diversity and inclusion in the Department of Defense, re-
lating to the following:

“(1) Aligning diversity and inclusion with the
strategic goals of the Department of Defense.
“(2) Conducting strategic outreach efforts to identify, attract, and recruit individuals that represent the demographic diversity of the United States.

“(3) Developing, mentoring, and retaining a diverse and inclusive Armed Forces.

“(4) Encouraging leadership development through diversity and inclusion practices and processes.

“(c) MEMBERSHIP.—

“(1) IN GENERAL.—The Council shall be composed of not fewer than 22 members, including the Federal officials and officers specified in paragraph (2), and not fewer than 12 members appointed by the Secretary from nongovernmental positions described in paragraph (3).

“(2) FEDERAL OFFICIALS AND OFFICERS.—The Federal officials and officers specified in this paragraph are the following:

“(A) The Chief Diversity Officer of the Department of Defense.

“(B) The Under Secretary of Defense for Personnel and Readiness.

“(C) The Chief of Staff of the Army.

“(D) The Chief of Naval Operations.
“(E) The Chief of Staff of the Air Force.

“(F) The Chief of Space Operations.

“(G) The Chief of Staff of the Air Force.

“(H) The Commandant of the Marine Corps.

“(I) The Commandant of the Coast Guard.

“(J) The Chief of the National Guard Bureau.

“(3) NONGOVERNMENTAL POSITIONS.—Non-governmental positions described in this paragraph are the following:

“(A) Five presidents or chancellors of institutions of higher education, including private and public institutions representing diverse areas of the United States.

“(B) Senior leaders of the defense industries of the United States.

“(C) Senior leaders of veterans or military service organizations.

“(D) Veterans (as defined in section 101 of title 38).

“(E) Others determined appropriate by the Secretary.

“(4) TIMING OF APPOINTMENTS.—Appointments to the Council shall be made not later than
for months after the date of the enactment of this Act.

“(5) TERMS.—

“(A) IN GENERAL.—Each member shall be appointed for a term of two years.

“(B) VACANCIES.—Any member appointed to fill a vacancy occurring before the expiration of the term for which the member’s predecessor was appointed shall be appointed only for the remainder of that term. A member may serve after the expiration of that term until a successor has been appointed.

“(6) CHAIRPERSON AND VICE CHAIRPERSON.—

“(A) CHAIRPERSON.—The Chairperson of the Council shall be the Chief Diversity Officer of the Department of Defense.

“(B) VICE CHAIRPERSON.—The Vice Chairperson shall be designated by the Secretary at the time of the appointment of the members pursuant to paragraph (4), and when a vacancy of the Vice Chairperson occurs, as the case may be.

“(d) MEETING.—
“(1) **MEETINGS.**—The Council shall meet not fewer than four times each year at the call of the Chairperson or Vice Chairperson.

“(2) **QUORUM.**—Twelve members of the Council, including six appointed under subsection (c)(2) and six appointed under subsection (c)(3), shall constitute a quorum.

“(e) **COMPENSATION.**—

“(1) **PROHIBITION ON COMPENSATION.**—Except as provided in paragraph (2), members of the Council may not receive additional pay, allowances, or benefits by reason of their service on the Council.

“(2) **TRAVEL EXPENSES.**—Each member shall receive travel expenses, including per diem in lieu of subsistence, in accordance with applicable provisions under subchapter I of chapter 57 of title 5.

“(f) **ADMINISTRATIVE SUPPORT SERVICES.**—Upon the request of the Council, the Secretary shall provide to the Council, on a reimbursable basis, the administrative support services necessary for the Council to carry out its responsibilities under this Act.

“(g) **REPORTS.**—Not later than 180 days after the date on which the Council holds its initial meeting under subsection (d) and annually thereafter, the Council shall submit to the congressional defense committees a report
containing a detailed statement of the advice and recommendations of the Council pursuant to subsection (b).”.

(b) Clerical Amendment.—The table of sections at the beginning of chapter 7 of title 10, United States Code, is amended by inserting before the item relating to section 187 the following:

“186. Diversity and Inclusion Advisory Council.”.

SEC. 573. ESTABLISHMENT OF SPECIAL INSPECTOR GENERAL FOR RACIAL AND ETHNIC DISPARITIES IN THE ARMED FORCES; AMENDMENTS TO INSPECTOR GENERAL ACT.

(a) Special Inspector General for Racial and Ethnic Disparities in the Armed Forces.—

(1) Purposes.—The purposes of this section are the following:

(A) To provide for the independent and objective conduct and supervision of audits and investigations relating to racial and ethnic disparities in military personnel and military justice systems, and white supremacy among military personnel.

(B) To provide recommendations to the Secretary of Defense and to Congress on actions necessary to eliminate racial and ethnic disparities in military personnel and military justice systems.
(2) Office of Inspector General.—To carry out the purposes of paragraph (1), there is hereby established, in the Department of Defense, the Office of the Special Inspector General for Racial and Ethnic Disparities in the Armed Forces.

(3) Appointment of Inspector General.—

(A) Nomination; Appointment.—The head of the Office of the Special Inspector General for Racial and Ethnic Disparities is the Special Inspector General for Racial and Ethnic Disparities (in this section referred to as the “Inspector General”), who shall be appointed by the President, by and with the advice and consent of the Senate.

(B) Qualifications.—The appointment of the Inspector General shall be made solely on the basis of integrity and demonstrated ability in accounting, auditing, financial analysis, law, management analysis, public administration, or investigations.

(C) Deadline for Nomination.—The nomination of an individual as Inspector General shall be made not later than 90 days after the date of the enactment of this Act.
(D) COMPENSATION.—The annual rate of basic pay of the Inspector General shall be the annual rate of basic pay provided for positions at level IV of the Executive Schedule under section 5315 of title 5, United States Code.

(E) PROHIBITION ON POLITICAL ACTIVITIES.—For purposes of section 7324 of title 5, United States Code, the Inspector General shall not be considered an employee who determines policies to be pursued by the United States in the nationwide administration of Federal law.

(F) REMOVAL.—The Inspector General shall be removable from office in accordance with the provisions of section 3(b) of the Inspector General Act of 1978 (5 U.S.C. App.).

(4) ASSISTANT INSPECTORS GENERAL.—The Inspector General shall, in accordance with applicable laws and regulations governing the civil service, appoint an Assistant Inspector General for Military Justice who shall have the responsibility for auditing and investigation activities relating to racial and ethnic disparities within the military justice system.

(5) SUPERVISION.—

(A) IN GENERAL.—Except as provided in subparagraph (B), the Inspector General shall
report directly to, and be under the general supervision of the Secretary of Defense.

(B) INDEPENDENCE TO CONDUCT INVESTIGATIONS AND AUDITS.—No officer of the Department of Defense shall prevent or prohibit the Inspector General from initiating, carrying out, or completing any audit or investigation related to racial and ethnic disparities or from issuing any subpoena during the course of any such audit or investigation.

(6) DUTIES.—

(A) OVERSIGHT OF MILITARY JUSTICE.—It shall be the duty of the Inspector General to conduct, supervise, and coordinate audits and investigations of—

(i) the effect of military justice policies and practices on racial and ethnic disparities, including overrepresentation of minorities in actions related to investigations, courts-martial, nonjudicial punishments, and other military justice actions as determined by the Inspector General;

(ii) the effect of military personnel policies and practices, including recruiting, accessions, and promotions, on racial and
ethnic disparities, including underrepresentation of minorities among members of the
Armed Forces under the jurisdiction of the Secretary of a military department in
grades above E–7;

(iii) the scope and efficacy of existing diversity and inclusion offices and pro-
grams within the Department of Defense;
and

(iv) white supremacist activities among military personnel and any other issues, determined by the Inspector General, necessary to address racial and ethnic disparities within the Armed Forces under the jurisdiction of the Secretary of a military department.

(B) OTHER DUTIES RELATED TO OVER-
SIGHT.—The Inspector General shall establish, maintain, and oversee such systems, procedures, and controls as the Inspector General considers appropriate to discharge the duties under sub-
paragraph (A).

(C) DUTIES AND RESPONSIBILITIES UNDER INSPECTOR GENERAL ACT OF 1978.—In addition to the duties specified in subpara-
graphs (A) and (B), the Inspector General shall also have the duties and responsibilities of inspectors general under the Inspector General Act of 1978.

(D) COORDINATION OF EFFORTS.—In carrying out the duties, responsibilities, and authorities of the Inspector General under this section, the Inspector General shall coordinate with, and receive the cooperation of each of the following:

(i) The Inspector General of the Department of Defense.

(ii) The Inspector General of the Army.

(iii) The Inspector General of the Navy.


(7) POWERS AND AUTHORITIES.—

(A) AUTHORITIES UNDER INSPECTOR GENERAL ACT OF 1978.—In carrying out the duties specified in paragraph (6), the Inspector General shall have the authorities provided in section 6 of the Inspector General Act of 1978.
(B) AUDIT STANDARDS.—The Inspector General shall carry out the duties specified in paragraph (6)(A) in accordance with section 4(b)(1) of the Inspector General Act of 1978.

(8) PERSONNEL, FACILITIES, AND OTHER RESOURCES.—

(A) PERSONNEL.—The Inspector General may select, appoint, and employ such officers and employees as may be necessary for carrying out the duties of the Inspector General, subject to the provisions of title 5, United States Code, governing appointments in the competitive service, and the provisions of chapter 51 and subchapter III of chapter 53 of such title, relating to classification and General Schedule pay rates.

(B) EMPLOYMENT OF EXPERTS AND CONSULTANTS.—The Inspector General may obtain services as authorized by section 3109 of title 5, United States Code, at daily rates not to exceed the equivalent rate prescribed for grade GS–15 of the General Schedule by section 5332 of such title.

(C) CONTRACTING AUTHORITY.—To the extent and in such amounts as may be provided
in advance by appropriations Acts, the Inspector General may enter into contracts and other arrangements for audits, studies, analyses, and other services with public agencies and with private persons, and make such payments as may be necessary to carry out the duties of the Inspector General.

(D) RESOURCES.—The Secretary of Defense, as appropriate, shall provide the Inspector General with appropriate and adequate office space at appropriate locations of the Department of Defense, together with such equipment, office supplies, and communications facilities and services as may be necessary for the operation of such offices, and shall provide necessary maintenance services for such offices and the equipment and facilities located therein.

(E) ASSISTANCE FROM FEDERAL AGENCIES.—

(i) IN GENERAL.—Upon request of the Inspector General for information or assistance from any department, agency, or other entity of the Federal Government, the head of such entity shall, insofar as is practicable and not in contravention of any
existing law, furnish such information or assistance to the Inspector General, or an authorized designee.

(ii) Reporting of refused assistance.—Whenever information or assistance requested by the Inspector General is, in the judgment of the Inspector General, unreasonably refused or not provided, the Inspector General shall report the circumstances to the Secretary of Defense, as appropriate, and to the appropriate congressional committees without delay.

(9) Reports.—

(A) Quarterly reports.—Not later than 30 days after the end of each fiscal-year quarter, the Inspector General shall submit quarterly reports to the Secretary of Defense and the congressional defense committees summarizing the activities of the Inspector General for the previous quarter.

(B) Annual reports.—The Inspector General shall submit annual reports to the Secretary of Defense and the congressional defense committees presenting recommendations for changes to policy, practice, regulation, and stat-
ute to eliminate disparities within the military personnel and military justice systems and to eliminate white supremacist activities among military personnel.

(C) OCCASIONAL REPORTS.—The Inspector General shall, from time to time, submit additional reports containing findings and recommendations at the discretion of the Inspector General.

(D) ONLINE PUBLICATION.—The Inspector General shall publish each report under this paragraph on a publicly available website not later than seven days after submission to the Secretary of Defense and the congressional defense committees.

(10) FUNDING.—This section shall be carried out using not more than $10,000,000 of funds authorized to be appropriated in this Act for Operation and Maintenance, Defense-wide, and no additional amounts are authorized to be appropriated to carry out this section.

(b) AMENDMENTS TO THE INSPECTOR GENERAL ACT.—The Inspector General Act of 1978 (5 U.S.C. App.) is amended—

(1) in section 3(b)—
(A) by inserting “(1)” before “An Inspector General”;

(B) by inserting after the first sentence the following: “An Inspector General may only be removed by the President before the expiration of the term of the Inspector General for permanent incapacity, neglect of duty, malfeasance, conviction of a felony or conduct involving moral turpitude, knowing violation of a law, gross mismanagement, gross waste of funds, or abuse of authority.”; and

(C) by adding at the end the following new paragraphs:

“(2) If an Inspector General is removed by the President under paragraph (1) fewer than 30 days after the President has communicated in writing the reasons for such removal pursuant to paragraph (1), the Inspector General shall submit to the Council of the Inspectors General on Integrity and Efficiency a report that includes the following information:

“(A) A description of the facts and circumstances of each investigation involving a senior government employee (as defined in section 5 of this Act) being conducted by that Inspector General at the time of such removal.
“(B) Any other matter that the Inspector General determines to include.

“(3) Any individual serving as the head of an Office of Inspector General, after the removal of an Inspector General under paragraph (1), shall issue to the Council of the Inspectors General on Integrity and Efficiency a report identifying any instances in which an investigation or matter described in paragraph (2) is closed prior to its completion, with a description of the reasons for closing the investigation or matter.”; and

(2) in section 8G(e), by adding at the end the following new paragraph:

“(3) In the event of the removal of an Inspector General, the Council of the Inspectors General on Integrity and Efficiency shall—

“(A) investigate the reasons for removal provided by the President;

“(B) publish a report including the determination of the Council whether the reasons described in subparagraph (A) are in accordance with the relevant provisions relating to for cause removal;

“(C) review any investigation that was being conducted by the Inspector General at the time of such removal; and
“(D) submit, to the congressional committees the Council determine to be relevant, a report that includes the determination of the Council whether an investigation described in subparagraph (C) motivated such removal.”.

SEC. 574. QUESTIONS REGARDING RACISM, ANTI-SEMITISM, AND SUPREMACISM IN WORKPLACE SURVEYS ADMINISTERED BY THE SECRETARY OF DEFENSE.

Section 593 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended, in paragraph (1), by inserting “, racist, anti-Semitic, or supremacist” after “extremist”.

SEC. 575. REPORT ON DEMOGRAPHICS OF OFFICERS APPOINTED TO CERTAIN GRADES.

Not later than the first October 1 to occur after the date of the enactment of this Act, and annually thereafter, each Secretary of a military department shall submit to the Committees on Armed Services of the Senate and House of Representatives a report summarizing the gender and race of each individual who received an appointment under section 531 or 601 of title 10, United States Code, during the immediately preceding fiscal year.
SEC. 576. PLANS TO INCREASE FEMALE AND MINORITY REPRESENTATION IN THE ARMED FORCES.

(a) Plans Required.—The Secretary of Defense and each Secretary of a military department shall develop plans to increase, with respect to female and minority members of the Armed Forces under the jurisdiction of that Secretary, the following:

(1) Recruitment.

(2) Retention.

(3) Representation in grades above E–7.

(b) Elements.—Each plan developed under this section shall include clearly defined goals, performance measures, and timeframes.

(c) Goals.—A goal under subsection (b) shall be to exceed, by not less than 100 percent, the rate at which the number of members described in subsection (a)(3) increased during the five years immediately preceding the date of the enactment of this Act.

(d) Submittal.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and each Secretary of a military department shall submit to the committees on Armed Services of the Senate and the House of Representatives a copy of each plan developed under this section by that Secretary.

(e) Report.—Three months after submitting a plan under subsection (d) and quarterly thereafter for five
years, the Secretary of Defense and each Secretary of a
military department shall submit to the committees on
Armed Services of the Senate and the House of Represent-
atives a report indicating the number of female and minor-
ity members in grades above E–7 in each Armed Force
under the jurisdiction of that Secretary.

SEC. 577. EVALUATION OF BARRIERS TO MINORITY PAR-
TICIPATION IN CERTAIN UNITS OF THE
ARMED FORCES.

(a) Study Required.—

(1) In general.—Not later than 30 days after
the date of the enactment of this Act, the Under
Secretary of Defense for Personnel and Readiness
shall seek to enter into an agreement with a feder-
ally funded research and development center with
relevant expertise to conduct an evaluation of the
barriers to minority participation in covered units of
the Armed Forces.

(2) Elements.—The evaluation required under
paragraph (1) shall include the following elements:

(A) A description of the racial, ethnic, and
gender composition of covered units.

(B) A comparison of the participation
rates of minority populations in covered units to
participation rates of the general population as
members and as officers of the Armed Forces.

(C) A comparison of the percentage of mi-
nority officers in the grade of O–7 or higher
who have served in each covered unit to such
percentage for all such officers in the Armed
Force of that covered unit.

(D) An identification of barriers to minor-
ity participation in the accession, assessment,
and training processes.

(E) The status and effectiveness of the re-
sponse to the recommendations contained in the
report of the RAND Corporation titled “Bar-
riers to Minority Participation in Special Oper-
ations Forces” and any follow-up recommenda-
tions.

(F) Recommendations to increase the num-
bers of minority officers in the Armed Forces.

(G) Recommendations to increase minority
participation in covered units.

(H) Any other matters the Secretary deter-
mines appropriate.

(3) REPORT TO CONGRESS.—The Secretary
shall—
(A) submit to the congressional defense committees a report on the results of the study by not later than January 1, 2022; and

(B) provide interim briefings to such committees upon request.

(b) DESIGNATION.—The study conducted under subsection (a) shall be known as the “Study on Reducing Barriers to Minority Participation in Elite Units in the Armed Services”.

(c) IMPLEMENTATION REQUIRED.—

(1) In general.—Except as provided in paragraph (2), not later than March 1, 2023, the Secretary of Defense shall commence the implementation of each recommendation included in the final report submitted under subsection (a)(3).

(2) Exceptions.—

(A) Delayed implementation.—The Secretary of Defense may commence implementation of a recommendation described paragraph (1) later than March 1, 2023, if—

(i) the Secretary submits to the congressional defense committees, not later than January 1, 2023, written notice of the intent of the Secretary to delay implementation of the recommendation; and
(ii) includes, as part of such notice, a specific justification for the delay in implementing the recommendation.

(B) NONIMPLEMENTATION.—The Secretary of Defense may elect not to implement a recommendation described in paragraph (1), if—

(i) the Secretary submits to the congressional defense committees, not later than January 1, 2023, written notice of the intent of the Secretary not to implement the recommendation; and

(ii) includes, as part of such notice—

(I) the reasons for the Secretary’s decision not to implement the recommendation; and

(II) a summary of alternative actions the Secretary will carry out to address the purposes underlying the recommendation.

(3) IMPLEMENTATION PLAN.—For each recommendation that the Secretary implements under this subsection, the Secretary shall submit to the congressional defense committees an implementation plan that includes—
(A) a summary of actions the Secretary has carried out, or intends to carry out, to implement the recommendation; and

(B) a schedule, with specific milestones, for completing the implementation of the recommendation.

(d) COVERED UNITS DEFINED.—In this section, the term “covered units” means the following:

(1) Army Special Forces.

(2) Army Rangers.

(3) Navy SEALs.

(4) Air Force Combat Control Teams.

(5) Air Force Pararescue.

(6) Air Force Special Reconnaissance.

(7) Marine Raider Regiments.

(8) Marine Corps Force Reconnaissance.

(9) Coast Guard Maritime Security Response Team.

(10) Any other forces designated by the Secretary of Defense as special operations forces.

(11) Pilot and navigator military occupational specialties.
Subtitle I—Decorations and Awards

SEC. 581. ESTABLISHMENT OF THE ATOMIC VETERANS SERVICE MEDAL.

(a) Service Medal Required.—The Secretary of Defense shall design and produce a military service medal, to be known as the “Atomic Veterans Service Medal”, to honor retired and former members of the Armed Forces who are radiation-exposed veterans (as such term is defined in section 1112(c)(3) of title 38, United States Code).

(b) Distribution of Medal.—

(1) Issuance to Retired and Former Members.—At the request of a radiation-exposed veteran, the Secretary of Defense shall issue the Atomic Veterans Service Medal to the veteran.

(2) Issuance to Next-of-Kin.—In the case of a radiation-exposed veteran who is deceased, the Secretary may provide for issuance of the Atomic Veterans Service Medal to the next-of-kin of the person.

(3) Application.—The Secretary shall prepare and disseminate as appropriate an application by which radiation-exposed veterans and their next-of-
kin may apply to receive the Atomic Veterans Service Medal.

SEC. 582. AUTHORIZATION FOR AWARD OF THE DISTINGUISHED-SERVICE CROSS FOR RAMIRO F. OLIVO FOR ACTS OF VALOR DURING THE VIETNAM WAR.

(a) AUTHORIZATION.—Notwithstanding the time limitations specified in section 7274 of title 10, United States Code, or any other time limitation with respect to the awarding of certain medals to persons who served in the United States Armed Forces, the President of the United States is authorized to award the Distinguished-Service Cross under section 7272 of such title to Ramiro F. Olivo for the acts of valor during the Vietnam War described in subsection (b).

(b) ACTS OF VALOR DESCRIBED.—The acts of valor described in this subsection are the actions of Ramiro F. Olivo on May 9, 1968, as a member of the Army while serving in the Republic of Vietnam with Company C, 1st Battalion, 5th Cavalry Regiment, 1st Cavalry Division.
Subtitle J—Miscellaneous Reports and Other Matters

SEC. 591. EXPANSION OF DEPARTMENT OF DEFENSE STARBASE PROGRAM.

(a) In general.—Section 2193b of title 10, United States Code, is amended—

(1) in the section heading, by striking “science, mathematics, and technology” and inserting “science, technology, engineering, art and design, and mathematics”; and

(2) in subsection (a), by striking “science, mathematics, and technology” and inserting “science, technology, engineering, art and design, and mathematics”; and

(b) Clerical amendment.—The table of sections at the beginning of chapter 111 of title 10, United States Code, is amended by striking the item relating to section 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.”
SEC. 592. INCLUSION OF CERTAIN OUTLYING AREAS IN THE DEPARTMENT OF DEFENSE STARBASE PROGRAM.

Section 2193b(h) of title 10, United States Code, is amended by inserting “the Commonwealth of the Northern Mariana Islands, American Samoa,” before “and Guam”.

SEC. 593. PROHIBITION ON CHARGING FOR OR COUNTING CERTAIN ACRONYMS ON HEADSTONES OF INDIVIDUALS INTERRED AT ARLINGTON NATIONAL CEMETERY.

The Secretary of the Army shall prescribe regulations or establish policies that, with regards to the headstone for an individual interred at Arlington National Cemetery, prohibit the charging of a fee for, or counting towards character or line count, the following acronyms:

(1) “KIA” for an individual killed in action.

(2) “MIA” for an individual who was missing in action.

(3) “POW” for an individual who was a prisoner of war.
SEC. 594. REPORT ON PLACEMENT OF MEMBERS OF THE
ARMED FORCES IN ACADEMIC STATUS WHO
ARE VICTIMS OF SEXUAL ASSAULT ONTO
NON-RATED PERIODS.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the feasibility and advisability, and current practice (if any), of the Department of Defense of granting requests by members of the Armed Forces who are in academic status (whether at the military service academies or in developmental education programs) and who are victims of sexual assault to be placed on a Non-Rated Period for their performance report.

SEC. 595. SENSE OF CONGRESS REGARDING ADVERTISING RECRUITING EFFORTS.

It is the Sense of Congress that the Chiefs of the Armed Forces, in coordination with the Recruiting Commands of the Armed Forces, should give all due consideration to the use of local broadcasting and traditional news publishers when advertising.
TITLE VI—COMPENSATION AND
OTHER PERSONNEL BENEFITS
Subtitle A—Pay and Allowances

SEC. 601. INCREASE IN BASIC PAY.

Effective on January 1, 2021, the rates of monthly
basic pay for members of the uniformed services are in-
creased by 3.0 percent.

SEC. 602. BASIC NEEDS ALLOWANCE FOR LOW-INCOME
REGULAR MEMBERS.

(a) IN GENERAL.—Chapter 7 of title 37, United
States Code, is amended by inserting after section 402a
the following new section:

“§ 402b. Basic needs allowance for low-income reg-
ular members

“(a) ALLOWANCE REQUIRED.—(1) Subject to para-
graph (2), the Secretary of Defense shall pay to each cov-
ered member a basic needs allowance in the amount deter-
mined for such member under subsection (b).

“(2) In the event a household contains two or more
covered members entitled to receive the allowance under
this section in a given year, only one allowance may be
paid for that year to a covered member among such cov-
ered members whom such covered members shall jointly
elect.
“(b) AMOUNT OF ALLOWANCE FOR A COVERED MEMBER.—(1) The amount of the monthly allowance payable to a covered member under subsection (a) for a year shall be the aggregate amount equal to—

“(A) the aggregate amount equal to—

“(i) 130 percent of the Federal poverty guidelines of the Department of Health and Human Services for the location and number of persons in the household of the covered member for such year; minus

“(ii) the gross household income of the covered member during the preceding year; and

“(B) divided by 12.

“(2) The monthly allowance payable to a covered member for a year shall be payable for each of the 12 months following March of such year.

“(c) NOTICE OF ELIGIBILITY.—(1)(A) Not later than December 31 each year, the Director of the Defense Finance and Accounting Service shall notify, in writing, each individual whom the Director estimates will be a covered member during the following year of the potential entitlement of that individual to the allowance described in subsection (a) for that following year.

“(B) The preliminary notice under subparagraph (A) shall include information regarding financial management
and assistance programs administered by the Secretary of Defense for which a covered member is eligible.

“(2) Not later than January 31 each year, each individual who seeks to receive the allowance for such year (whether or not subject to a notice for such year under paragraph (1)) shall submit to the Director such information as the Director shall require for purposes of this section in order to determine whether or not such individual is a covered member for such year.

“(3) Not later than February 28 each year, the Director shall notify, in writing, each individual the Director determines to be a covered member for such year.

“(d) ELECTION NOT TO RECEIVE ALLOWANCE.—(1) A covered member otherwise entitled to receive the allowance under subsection (a) for a year may elect, in writing, not to receive the allowance for such year. Any election under this subsection shall be effective only for the year for which made. Any election for a year under this subsection is irrevocable.

“(2) A covered member who does not submit information described in subsection (d)(2) for a year as otherwise required by that subsection shall be deemed to have elected not to receive the allowance for such year.

“(e) DEFINITIONS.—In this section:
“(1) The term ‘covered member’ means a regular member of an armed force under the jurisdiction of the Secretary of a military department—

“(A) who has completed initial entry training;

“(B) whose gross household income during the most recent year did not exceed an amount equal to 130 percent of the Federal poverty guidelines of the Department of Health and Human Services for the location and number of persons in the household of the covered member for such year; and

“(C) who does not elect under subsection (d) not to receive the allowance for such year.

“(2) The term ‘gross household income’ of a covered member for a year for purposes of paragraph (1)(B) does not include any basic allowance for housing received by the covered member (and any dependents of the covered member in the household of the covered member) during such year under section 403 of this title.

“(f) REGULATIONS.—The Secretary of Defense shall prescribe regulations for the administration of this section. Subject to subsection (e)(2), such regulations shall specify the income to be included in, and excluded from, the gross
 货物收入的个体为了此部分的目的。

（b）司法修正案。—该章节标题中的表格在第7章的开始处被修正，通过在与第402a节相关的项目后插入以下新项目。

“402b. 基本生活津贴，低收入常规成员。”

第603条。某些津贴的重新组织

其他旅行和运输津贴

（a）差旅费，外出非大陆国家。

（1）转移至第7章。—第37编第475节，美国法典，被转移至第7章该标题，插入第403b节后，并改标为第405节。

（2）终止条款的废止。—第405节，第37编，美国法典，作为第（1）段后添加的，被废止，通过删除第（f）子节。

（b）火葬仪式津贴。

（1）转移至第7章。—第37编第495节，美国法典，被转移至第7章该标题，插入第433a节后，并改标为第435节。
(2) **Repeal of termination provision.**—

Section 435 of title 37, United States Code, as added by paragraph (1), is amended by striking subsection (c).

(c) **Clerical Amendments.**—

(1) **Chapter 7.**—The table of sections at the beginning of chapter 7 of title 37, United States Code, is amended—

(A) by inserting after the item relating to section 403b the following new item:

"405. Travel and transportation allowances: per diem while on duty outside the continental United States."

(B) by inserting after the item relating to section 433a the following new item:

"435. Funeral honors duty: allowance."

(2) **Chapter 8.**—The table of sections at the beginning of chapter 8 of title 37, United States Code, is amended by striking the items relating to sections 475 and 495.

**Subtitle B—Bonuses and Special Incentive Pays**

**Sec. 611. One-year extension of certain expiring bonus and special pay authorities.**

(a) **Authorities relating to reserve forces.**—Section 910(g) of title 37, United States Code, relating to income replacement payments for reserve com-
ponent members experiencing extended and frequent mobilization for active duty service, is amended by striking “December 31, 2020” and inserting “December 31, 2021”.

(b) Title 10 Authorities Relating to Health Care Professionals.—The following sections of title 10, United States Code, are amended by striking “December 31, 2020” and inserting “December 31, 2021”:

(1) Section 2130a(a)(1), relating to nurse officer candidate accession program.

(2) Section 16302(d), relating to repayment of education loans for certain health professionals who serve in the Selected Reserve.

(e) Authorities Relating to Nuclear Officers.—Section 333(i) of title 37, United States Code, is amended by striking “December 31, 2020” and inserting “December 31, 2021”.

(d) Authorities Relating to Title 37 Consolidated Special Pay, Incentive Pay, and Bonus Authorities.—The following sections of title 37, United States Code, are amended by striking “December 31, 2020” and inserting “December 31, 2021”:

(1) Section 331(h), relating to general bonus authority for enlisted members.
(2) Section 332(g), relating to general bonus authority for officers.

(3) Section 334(i), relating to special aviation incentive pay and bonus authorities for officers.

(4) Section 335(k), relating to special bonus and incentive pay authorities for officers in health professions.

(5) Section 336(g), relating to contracting bonus for cadets and midshipmen enrolled in the Senior Reserve Officers’ Training Corps.

(6) Section 351(h), relating to hazardous duty pay.

(7) Section 352(g), relating to assignment pay or special duty pay.

(8) Section 353(i), relating to skill incentive pay or proficiency bonus.

(9) Section 355(h), relating to retention incentives for members qualified in critical military skills or assigned to high priority units.

(e) AUTHORITY TO PROVIDE TEMPORARY INCREASE IN RATES OF BASIC ALLOWANCE FOR HOUSING.—Section 403(b)(7)(E) of title 37, United States Code, is amended by striking “December 31, 2020” and inserting “December 31, 2021”.

SEC. 612. INCREASE IN CERTAIN HAZARDOUS DUTY INCENTIVE PAY FOR MEMBERS OF THE UNIFORMED SERVICES.

Section 351(b) of title 37, United States Code, is amended by striking "$250" both places it appears and inserting "$275".

SEC. 613. STANDARDIZATION OF PAYMENT OF HAZARDOUS DUTY INCENTIVE PAY FOR MEMBERS OF THE UNIFORMED SERVICES.

(a) In General.—Section 351(c) of title 37, United States Code, is amended to read as follows:

"(c) Payment.—Hazardous duty pay shall be paid on a monthly basis.".

(b) Effective Date.—The amendments made by this section shall take effect on October 1, 2020, and shall apply with respect to duty performed in any month beginning on or after that date.

SEC. 614. CLARIFICATION OF 30 DAYS OF CONTINUOUS DUTY ON BOARD A SHIP REQUIRED FOR FAMILY SEPARATION ALLOWANCE FOR MEMBERS OF THE UNIFORMED SERVICES.

Section 427(a)(1)(B) of title 37, United States Code, is amended by inserting "(or under orders to remain on board the ship while at the home port)" after "of the ship".
SEC. 615. EXPANSION OF REIMBURSABLE STATE LICENSURE AND CERTIFICATION COSTS FOR A MILITARY SPOUSE ARISING FROM RELOCATION.

Section 476(p)(5) of title 37, United States Code, is amended in the matter preceding subparagraph (A), by striking “and” and inserting “fees, continuing education courses, and”.

Subtitle C—Family and Survivor Benefits

SEC. 621. EXPANSION OF AUTHORITY TO PROVIDE FINANCIAL ASSISTANCE TO CIVILIAN PROVIDERS OF CHILD CARE SERVICES OR YOUTH PROGRAM SERVICES FOR SURVIVORS OF MEMBERS OF THE ARMED FORCES WHO DIE IN THE LINE OF DUTY.

Section 1798(a) of title 10, United States Code, is amended by striking “in combat-related incidents”.

SEC. 622. EXPANSION OF DEATH GRATUITY FOR ROTC GRADUATES.

Section 623(b) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended by striking “the date of the enactment of this Act” and inserting “May 1, 2017”.

SEC. 623. RECALCULATION OF FINANCIAL ASSISTANCE FOR PROVIDERS OF CHILD CARE SERVICES AND YOUTH PROGRAM SERVICES FOR DEPENDENTS.

(a) IN GENERAL.—Not later than July 1, 2021, the Secretary of Defense shall develop a method by which to determine appropriate amounts of financial assistance under section 1798 of title 10, United States Code. In such development, the Secretary shall take into consideration the following:

(1) Grades of members of the Armed Forces.

(2) The cost of living in an applicable locale.

(3) Whether a military installation has a military child development center, including any wait list length.

(4) Whether a military child development center has vacant child care employee positions.

(5) The capacity of licensed civilian child care providers in an applicable locale.

(6) The average cost of licensed civilian child care services available in an applicable locale.

(b) REPORT.—Not later than August 1, 2021, the Secretary shall submit a report the Committees on Armed Services of the Senate and the House of Representatives on the method developed under this section.
(c) DEFINITIONS.—In this section, the terms “child care employee” and “military child development center” have the meanings given those terms in section 1800 of title 10, United States Code.

SEC. 624. PRIORITY FOR CERTAIN MILITARY FAMILY HOUSING TO A MEMBER OF THE ARMED FORCES WHOSE SPOUSE AGREES TO PROVIDE FAMILY HOME DAY CARE SERVICES.

(a) PRIORITY.—If the Secretary of a military department determines that not enough child care employees are employed at a military child development center on a military installation under the jurisdiction of that Secretary to adequately care for the children of members of the Armed Forces stationed at that military installation, the Secretary, to the extent practicable, may give priority for covered military family housing to a member whose spouse is an eligible military spouse.

(b) NUMBER OF PRIORITY POSITIONS.—A Secretary of a military department may grant priority under subsection (a) only to the minimum number of eligible military spouses that the Secretary determines necessary to provide adequate child care to the children of members stationed at a military installation described in subsection (a).
(c) LIMITATION.—Nothing in this section may be construed to require the Secretary of a military department to provide covered military family housing that has been adapted for disabled individuals to a member under this section instead of to a member with one more dependents enrolled in the Exceptional Family Member Program.

(d) RESULT OF FAILURE TO PROVIDE FAMILY HOME DAY CARE SERVICES OR LOSS OF ELIGIBILITY.—The Secretary of the military department concerned may remove a household provided covered military family housing under this section therefrom if the Secretary determines the spouse of that member has failed to abide by an agreement described in subsection (e)(3) or has ceased to be an eligible military spouse. Such removal may not occur sooner than 60 days after the date of such determination.

(e) DEFINITIONS.—In this section:

(1) The terms “child care employee”, “family home day care”, and “military child development center” have the meanings given those terms in section 1800 of title 10, United States Code.

(2) The term “covered military family housing” means military family housing—

(A) located on a military installation described in subsection (a); and
(B) that the Secretary of the military department concerned determines is large enough to provide family home day care services to no fewer than six children (not including children in the household of the eligible military spouse).

(3) The term “eligible military spouse” means a military spouse who—

(A) is eligible for military family housing;

(B) is eligible to provide family home day care services;

(C) has provided family home day care services for at least one year; and

(D) agrees in writing to provide family home day care services in covered military family housing for a period determined by the Secretary of the military department concerned.

SEC. 625. STUDY ON FEASIBILITY OF TSP CONTRIBUTIONS BY MILITARY SPOUSES.

(a) Study Required.—The Secretary of Defense shall conduct a study on potential enhancements to the military Thrift Savings Plan administered by the Federal Retirement Thrift Investment Board.

(b) Elements.—The study under subsection (a) shall include the following:
(1) An evaluation of the effect of allowing military spouses to contribute or make eligible retirement account transfers to the military Thrift Savings Plan account of the member of the Armed Forces to whom that military spouse in married.

(2) Legislation the Secretary determines necessary to permit contributions and transfers described in paragraph (1).

(3) An evaluation of whether and to what extent employer-funded matching of contributions described in paragraph (1) may encourage further participation in the military Thrift Savings Plan.

(c) REPORTING.—

(1) INITIAL REPORT.—Not later than February 1, 2021, the Secretary of Defense shall submit to the Federal Retirement Thrift Investment Board a report on the results of the study under subsection (a).

(2) ANALYSIS.—Not later than 60 days after receiving the report under paragraph (1), the Federal Thrift Savings Retirement Board shall analyze the report under paragraph (1), generate recommendations and comments it determines appropriate, and submit such analysis, recommendations, and comments to the Secretary.
(3) FINAL REPORT.—Not later than April 1, 2021, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives the report under paragraph (1) and the analysis, recommendations, and comments under paragraph (2).

Subtitle D—Defense Resale Matters

SEC. 631. BASE RESPONDERS ESSENTIAL NEEDS AND DINING ACCESS.

(a) IN GENERAL.—Chapter 54 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 1066. Use of commissary stores and MWR facilities: protective services civilian employees

“(a) ELIGIBILITY OF PROTECTIVE SERVICES CIVILIAN EMPLOYEES.—An individual employed as a protective services civilian employee at a military installation shall be permitted to purchase food and hygiene items at a commissary store or MWR retail facility located on that military installation.

“(b) USER FEE AUTHORITY.—(1) The Secretary of Defense shall prescribe regulations that impose a user fee on individuals who are eligible solely under this section to purchase merchandise at a commissary store or MWR retail facility.
“(2) The Secretary shall set the user fee under this subsection at a rate that the Secretary determines will offset any increase in expenses arising from this section borne by the Department of the Treasury on behalf of commissary stores associated with the use of credit or debit cards for customer purchases, including expenses related to card network use and related transaction processing fees.

“(3) The Secretary shall deposit funds collected pursuant to a user fee under this subsection in the General Fund of the Treasury.

“(4) Any fee under this subsection is in addition to the uniform surcharge under section 2484(d) of this title.

“(c) DEFINITIONS.—In this section:

“(1) The term ‘MWR retail facility’ has the meaning given that term in section 1063 of this title.

“(2) The term ‘protective services civilian employee’ means a position in any of the following series (or successor classifications) of the General Schedule:

“(A) Security Administration (GS–0080).

“(B) Fire Protection and Prevention (GS–0081).

“(C) Police (GS–0083).
“(D) Security Guard (GS–0085).

“(E) Emergency Management (GS–0089).”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 54 of title 10, United States Code, is amended by adding at the end the following new item:

“1066. Use of commissary stores and MWR facilities; protective services civilian employees.”.

8 SEC. 632. FIRST RESPONDER ACCESS TO MOBILE EXCHANGES.

Section 1146 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(d) EMERGENCY RESPONSE PROVIDERS DURING A DECLARED MAJOR DISASTER OR EMERGENCY.—The Secretary of Defense shall prescribe regulations to allow an emergency response provider (as that term is defined in section 2 of the Homeland Security Act of 2002 (Public Law 107–296; 6 U.S.C. 101)) to use a mobile commissary or exchange store deployed to an area covered by a declaration of a major disaster or emergency under section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. 5170).”.
SEC. 633. UPDATED BUSINESS CASE ANALYSIS FOR CONSOLIDATION OF THE DEFENSE RESALE SYSTEM.

(a) IN GENERAL.—Not later than March 1, 2021, the Chief Management Officer of the Department of Defense, in coordination with the Undersecretary of Defense for Personnel and Readiness, shall update the study titled “Study to Determine the Feasibility of Consolidation of the Defense Resale Entities” and dated December 4, 2018, to include a new business case analysis that—

(1) establishes new baselines for—

(A) savings from the costs of goods sold; 

(B) costs of new information technology required for such consolidation; and 

(C) costs of headquarters relocation arising from such consolidation; and 

(2) addresses each recommendation for executive action in the Government Accountability Office report GAO–20–418SU.

(b) REVIEW AND COMMENT.—Not later than April 1, 2021, the Secretary of Defense shall make the updated business case analysis (in this section referred to as the “updated BCA”) available to the Secretaries of the military departments for comment.

(c) SUBMITTAL TO CONGRESSIONAL COMMITTEES.—

Not later than June 1, 2021, the Secretary of Defense
shall make any comments made under subsection (b) and the updated BCA available to the Committees on Armed Services of the Senate and the House of Representatives.

(d) Delay of Consolidation.—The Secretary of Defense may not take any action to consolidate military exchanges and commissaries until the Committees on Armed Services of the Senate and the House of Representatives notify the Secretary in writing of receipt and acceptance of the updated BCA.

Subtitle E—Other Personnel Benefits

SEC. 641. MAINTENANCE OF FUNDING FOR STARS AND STRIPES.

(a) Funding.—

(1) Operation and Maintenance.—Of the amounts authorized to be appropriated for fiscal year 2021 in Division D of this Act and available for operations and maintenance for Defense-wide activities as specified in the funding table in section 4301 of this Act, $9,000,000 shall be made available for the purpose of maintaining the operations and publication of Stars and Stripes.

(2) Contingency Operations.—Of the amounts authorized to be appropriated for fiscal year 2021 in Division D of this Act and available for
overseas contingency operations for Defense-wide activities as specified in the funding tables in section 4301 of this Act, $6,000,000 shall be made available for the purpose of maintaining the operations and publication of Stars and Stripes.

(b) REPORT ON BUSINESS CASE ANALYSIS.—Not later than March 1, 2021, the Secretary of Defense, in coordination with the editor of Stars and Stripes, shall submit a report to the Committees on Armed Services of the Senate and the House of Representatives detailing the business case analysis for various options for Stars and Stripes. The report shall contain the following elements:

(1) An analysis of the pros and cons of, and business case for, continuing the operation and publication of Stars and Stripes at its current levels, including other options for the independent reporting currently provided, especially in a deployed environment.

(2) An analysis of the modes of communication used by Stars and Stripes.

(3) An analysis of potential reduced operations of Stars and Stripes.

(4) An analysis of the operation of Stars and Stripes solely as a non-appropriated entity.
(5) An analysis of operating Stars and Stripes as a category B morale, welfare, and recreation entity.

(6) An assessment of the value of the availability of Stars and Stripes (in print or an electronic version) to deployed or overseas members of the Armed Forces.

**TITLE VII—HEALTH CARE PROVISIONS**

**Subtitle A—TRICARE and Other Health Care Benefits**

**SEC. 701. EXPANSION OF MENTAL HEALTH ASSESSMENTS FOR MEMBERS OF THE ARMED FORCES.**

Section 1074m of title 10, United States Code, is amended by adding at the end the following new subsection:

“(g) **MENTAL HEALTH ASSESSMENTS FOR PARTICIPATION IN CERTAIN ACTIVITIES.**—(1) The Secretary shall provide to a member described in paragraph (2) mental health assessments under this section in a frequency and schedule that the Secretary determines to be as similar as practicable to the frequency and schedule for such assessments under subsection (a)(1).

“(2) A member described in this paragraph is a member who, while not deployed in support of a contingency
operation, participated in warfighting activities that had a direct and immediate impact on a combat operation or other military operation.”.

SEC. 702. MANDATORY REFERRAL FOR MENTAL HEALTH EVALUATION.

Section 1090a of title 10, United States Code, is amended—

(1) by redesignating subsection (e) as subsection (f); and

(2) by inserting after subsection (d) the following new subsection:

“(e) PROCESS APPLICABLE TO MEMBER DISCLOSURE.—The regulations required by subsection (a) shall—

“(1) establish a phrase that enables a member of the armed forces to trigger a referral of the member by a commanding officer or supervisor for a mental health evaluation;

“(2) require a commanding officer or supervisor to make such referral as soon as practicable following disclosure by the member to the commanding officer or supervisor of the phrase established under paragraph (1); and

“(3) ensure that the process protects the confidentiality of the member in a manner similar to the confidentiality provided for members making re-
restricted reports under section 1565b(b) of this title.’’.

SEC. 703. ASSESSMENTS AND TESTING RELATING TO EXPOSURE TO PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES.

(a) Periodic Health Assessment.—The Secretary of Defense shall ensure that any periodic health assessment provided to a member of the Armed Forces includes an evaluation of whether the member has been—

(1) based or stationed at a military installation identified by the Department of Defense as a location with a known or suspected release of perfluoroalkyl substances or polyfluoroalkyl substances during the period in which the member was based or stationed at the military installation; or

(2) exposed to such substances, including by evaluating any information in the health record of the member.

(b) Separation History and Physical Examinations.—Section 1145(a)(5) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

“(D) The Secretary concerned shall ensure that each physical examination of a member under subparagraph (A) includes an assessment of whether the member was—
“(i) based or stationed at a military installation identified by the Department as a location with a known or suspected release of perfluoroalkyl substances or polyfluoroalkyl substances during the period in which the member was based or stationed at the military installation; or

“(ii) exposed to such substances, including by assessing any information in the health record of the member.”.

(c) DEPLOYMENT ASSESSMENTS.—Section 1074f(b)(2) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

“(E) An assessment of whether the member was—

“(i) based or stationed at a military installation identified by the Department as a location with a known or suspected release of perfluoroalkyl substances or polyfluoroalkyl substances during the period in which the member was based or stationed at the military installation; or

“(ii) exposed to such substances, including by assessing any information in the health record of the member.”.

(d) PROVISION OF BLOOD TESTING.—
(1) MEMBERS OF THE ARMED FORCES.—

(A) IN GENERAL.—If a covered evaluation of a member of the Armed Forces results in a positive determination of potential exposure to perfluoroalkyl substances or polyfluoroalkyl substances, the Secretary of Defense shall provide to that member, during that covered evaluation, blood testing to determine and document potential exposure to such substances.

(B) INCLUSION IN HEALTH RECORD.—The results of blood testing of a member of the Armed Forces conducted under subparagraph (A) shall be included in the health record of the member.

(2) COVERED EVALUATION DEFINED.—In this subsection, the term “covered evaluation” means—

(A) a periodic health assessment conducted in accordance with subsection (a);

(B) a separation history and physical examination conducted under section 1145(a)(5) of title 10, United States Code, as amended by subsection (b); and

(C) a deployment assessment conducted under section 1074f(b)(2) of such title, as amended by subsection (c).
SEC. 704. IMPROVEMENT TO BREAST CANCER SCREENING.

Section 1074d(b)(2) of title 10, United States Code, is amended by inserting before the period at the end the following: “, including through the use of digital breast tomosynthesis”.

Subtitle B—Health Care Administration

SEC. 711. PROTECTION OF THE ARMED FORCES FROM INFECTIOUS DISEASES.

(a) In general.—Chapter 55 of title 10, United States Code, is amended by inserting after section 1073d the following new section:

“§ 1073e. Protection of armed forces from infectious diseases

“(a) Protection.—The Secretary of Defense shall ensure that the armed forces have the diagnostic equipment, testing capabilities, and personal protective equipment necessary to protect members of the armed forces from the threat of infectious diseases and to treat members who contract infectious diseases.

“(b) Requirements.—In carrying out subsection (a), the Secretary shall ensure the following:

“(1) Each military medical treatment facility has the testing capabilities described in such subsection.
“(2) Each deployed naval vessel has the testing capabilities described in such subsection.

“(3) Members of the armed forces deployed in support of a contingency operation outside of the United States have access to the testing capabilities described in such subsection, including at field hospitals, combat support hospitals, field medical stations, and expeditionary medical facilities.

“(4) The Department of Defense maintains a stock of personal protective equipment in a quantity sufficient for each member of the armed forces, including the reserve components thereof.

“(c) Research and Development.—(1) The Secretary shall include with the defense budget materials (as defined by section 231(f) of this title) for a fiscal year a plan to research and develop vaccines for infectious diseases.

“(2) The Secretary shall ensure that the medical laboratories of the Department of Defense are equipped with the technology needed to facilitate rapid research in the case of a pandemic.”.

(b) Clerical Amendment.—The table of contents at the beginning of such chapter is amended by inserting after the item relating to section 1073d the following new item:

“1073e. Protection of armed forces from infectious diseases.”.
SEC. 712. INCLUSION OF DRUGS, BIOLOGICAL PRODUCTS, AND CRITICAL MEDICAL SUPPLIES IN NATIONAL SECURITY STRATEGY FOR NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.

(a) National Security Strategy for National Technology and Industrial Base.—Section 2501(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(11) Providing for the provision of drugs, biological products, vaccines, and critical medical supplies (including personal protective equipment, diagnostic and testing capabilities, and lifesaving breathing apparatuses required for the treatment of severe respiratory illness and respiratory distress) required to enable combat readiness and protect the health of the armed forces.”

(b) Report.—

(1) In general.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of Health and Human Services, the Commissioner of Food and Drugs, and the heads of other departments and agencies of the Federal Government that the Secretary of Defense determines appropriate, shall submit to the appropriate congressional committees a report on vulnerabilities to the drugs, bio-
logical products, vaccines, and critical medical supplies of the Department of Defense.

(2) MATTERS INCLUDED.—The report under paragraph (1) shall include—

(A) an identification and origin of any finished drugs, as identified by the Secretary of Defense, and the essential components of such drugs, including raw materials, chemical components, and active pharmaceutical ingredients that are necessary for the manufacture of such drugs, whose supply is at risk of disruption during a time of war or national emergency;

(B) an identification of shortages of finished drugs, biological products, vaccines, and critical medical supplies essential for combat readiness and the protection of the health of the Armed Forces, as identified by the Secretary of Defense;

(C) an identification of the defense and geopolitical contingencies that are sufficiently likely to arise that may lead to the discontinuance, interruption or meaningful disruption in the supply of a drug, biological product, vaccine, or critical medical supply, and recommendations regarding actions the Secretary
of Defense should take to reasonably prepare for the occurrence of such contingencies;

(D) an assessment conducted by the Secretary of Defense of the resilience and capacity of the current supply chain and industrial base to support national defense upon the occurrence of the contingencies identified in subparagraph (C), including with respect to—

(i) the manufacturing capacity of the United States;

(ii) gaps in domestic manufacturing capabilities, including non-existent, extinct, threatened, and single-point-of-failure capabilities; and

(iii) supply chains with single points of failure and limited resiliency; and

(E) recommendations to enhance and strengthen the surge requirements and readiness contracts of the Department of Defense to ensure the sufficiency of the stockpile of the Department of, and the ready access by the Department to, critical medical supplies, pharmaceuticals, vaccines, counter-measure prophylaxis, and personal protective equipment, including with respect to the effectiveness of the the-
ater lead agent for medical materiel program in
support of the combatant commands.

(3) **FORM.**—The report under paragraph (1)
shall be submitted in classified form.

(4) **DEFINITIONS.**—In this subsection:

(A) The term “appropriate congressional
committees” means the following:

(i) The congressional defense commit-
tees.

(ii) The Committee on Energy and
Commerce and the Committee on Home-
land Security of the House of Representa-
tives.

(iii) The Committee on Health, Edu-
cation, Labor, and Pensions and the Com-
mittee on Homeland Security and Govern-
mental Affairs of the Senate.

(B) The term “critical medical equipment”
includes personal protective equipment, diag-
nostic tests, testing supplies, and lifesaving
breathing apparatuses required to treat severe
respiratory illnesses and distress.
SEC. 713. CONTRACT AUTHORITY OF THE UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES.

Section 2113(g)(1) of title 10, United States Code, is amended—

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

(2) in subparagraph (F), by striking the period at the end and inserting “; and”; and

(3) by adding at the end the following new subparagraph:

“(G) notwithstanding section 2304(k) of this title, to enter into such contracts, cooperative agreements, or grants on a sole-source basis pursuant to section 2304(c)(5) of this title.”.

SEC. 714. EXTENSION OF ORGANIZATION REQUIREMENTS FOR DEFENSE HEALTH AGENCY.

Section 1073c(e) of title 10, United States Code, is amended by striking “September 30, 2022” and inserting “September 30, 2025”.
SEC. 715. MODIFICATION TO LIMITATION ON THE REALIGNMENT OR REDUCTION OF MILITARY MEDICAL MANNING END STRENGTH.

Section 719 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1454) is amended—

(1) in subsection (a), in the matter preceding paragraph (1), by striking “may not realign or reduce military medical end strength authorizations until” and inserting the following: “may not realign or reduce military medical end strength authorizations during the one-year period following the date of the enactment of the National Defense Authorization Act for Fiscal Year 2021, and after such period, may not realign or reduce such authorizations unless”; and

(2) in subsection (b)(1), by inserting before the period at the end the following: “, including with respect to both the homeland defense mission and pandemic influenza”.

SEC. 716. MODIFICATIONS TO IMPLEMENTATION PLAN FOR RESTRUCTURE OR REALIGNMENT OF MILITARY MEDICAL TREATMENT FACILITIES.

Section 703(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2199) is amended—
(1) in paragraph (2), by striking subparagraph (D) and inserting the following new subparagraph:

“(D) A description of how the Secretary will carry out subsection (b), including with respect to—

“(i) the standards required for health care providers to accept and transition covered beneficiaries to the purchased care component of the TRICARE program;

“(ii) a method to monitor and report on quality benchmarks for the beneficiary population that is required to transition to such component of the TRICARE program; and

“(iii) a process by which the Defense Health Agency will ensure that such component of the TRICARE program has the required capacity.”; and

(2) by adding at the end the following new paragraph:

“(4) NOTICE AND WAIT.—The Secretary may not implement the plan under paragraph (1) unless—

“(A) the Secretary has submitted the plan to the congressional defense committees; and
“(B) a one-year period elapses following the later of the date of such submission or the date of the enactment of the National Defense Authorization Act for Fiscal Year 2021.”.

SEC. 717. POLICY TO ADDRESS OPIOID PRESCRIPTION ABUSE PREVENTION.

(a) REQUIREMENT.—The Secretary of Defense shall develop a policy and tracking mechanism for opioids that monitors and prohibits the over prescribing of opioids to ensure compliance with clinical practice guidelines.

(b) ELEMENTS.—The requirements under subsection (a) shall include the following:

(1) Limit the prescribing of opioids to the morphine milligram equivalent level per day specified in the guideline published by the Centers for Disease Control and Prevention titled “CDC Guideline for Prescribing Opioids for Chronic Pain—United States, 2016”, or such successor guideline.

(2) Limit the supply of opioids to within clinically accepted guidelines.

(3) Develop a waiver process for specific patient categories that will require treatment beyond the limit specified in paragraph (1).

(4) Implement controls to ensure that the prescriptions in the military health system data reposi-
tory exist and that the dispense date and the metric
quantity field for opioid prescriptions in liquid form
are consistent among all systems.

(5) Implement opioid prescribing controls within
the electronic health record system known as
“Genesis”.

(6) Develop metrics that can be used by the
Defense Health Agency and each military medical
treatment facility to actively monitor and limit the
over prescribing of opioids.

(7) Develop a report that tracks progression to-
ward reduced levels of opioid use.

SEC. 718. ADDITION OF BURN PIT REGISTRATION TO ELECTRONIC HEALTH RECORDS OF MEMBERS OF THE ARMED FORCES AND VETERANS.

(a) UPDATES TO ELECTRONIC HEALTH RECORDS.—Beginning not later than one year after the date of the enactment of this Act—

(1) the Secretary of Defense shall ensure that
the electronic health record maintained by such Sec-
retary of a member of the Armed Forces registered
with the burn pit registry is updated with any infor-
mination contained in such registry; and

(2) the Secretary of Veterans Affairs shall en-
sure that the electronic health record maintained by
such Secretary of a veteran registered with the burn pit registry is updated with any information contained in such registry.

(b) **BURN Pit REGISTRY DEFINED.**—In this section, the term “burn pit registry” means the registry established under section 201 of the Dignified Burial and Other Veterans’ Benefits Improvement Act of 2012 (Public Law 112–260; 38 U.S.C. 527 note).

### Subtitle C—Matters Relating to COVID–19

**SEC. 721. COVID–19 MILITARY HEALTH SYSTEM REVIEW PANEL.**

(a) **ESTABLISHMENT.**—The Secretary of Defense shall establish a panel to be known as the “COVID–19 Military Health System Review Panel” (in this section referred to as the “panel”).

(b) **COMPOSITION.**—

(1) **MEMBERS.**—The panel shall be composed of the following members:

(A) The President of the Uniformed Services University of the Health Sciences.

(B) The Director of the Defense Health Agency.

(C) The Surgeon General of the Army.

(D) The Surgeon General of the Navy.

(F) The Joint Staff Surgeon.

(G) The Deputy Assistant Secretary of Defense for Health Readiness Policy and Oversight.

(H) The Deputy Assistant Secretary of Defense for Health Resources Management and Policy.

(2) CHAIRPERSON.—The chairperson of the panel shall be the President of the Uniformed Services University of the Health Sciences.

(3) TERMS.—Each member shall be appointed for the life of the panel.

(e) DUTIES.—

(1) IN GENERAL.—The panel shall—

(A) review the response of the military health system to the coronavirus disease 2019 (COVID–19) and the effects of COVID–19 on such system, including by analyzing any strengths or weaknesses of such system identified as a result COVID–19; and

(B) using information from the review, make such recommendations as the panel considers appropriate with respect to any policy, practice, organization, manning level, funding
level, or legislative authority relating to the military health system.

(2) ELEMENTS OF REVIEW.—In conducting the review under paragraph (1), each member of the panel shall lead a review of at least one of the following elements, with respect to the military health system:

(A) Policy, including any policy relating to force health protection or medical standards for the appointment, enlistment, or induction of individuals into the Armed Forces.

(B) Public health activities, including any activity relating to risk communication, surveillance, or contact tracing.

(C) Research, diagnostics, and therapeutics.

(D) Logistics and technology.

(E) Force structure and manning.

(F) Governance and organization.

(G) Operational capabilities and operational support.

(H) Education and training.

(I) Health benefits under the TRICARE program.
(J) Engagement and security activities relating to global health.

(K) The financial impact of COVID–19 on the military health system.

(d) REPORT.—Not later than June 1, 2021, the Secretary of Defense shall submit to the congressional defense committees a report that includes the findings of the panel as a result of the review under subsection (c)(1)(A), together with such recommendations as the panel considers appropriate under subsection (c)(1)(B).

(e) TERMINATION.—The panel shall terminate on June 1, 2021.

SEC. 722. COVID–19 GLOBAL WAR ON PANDEMICS.

(a) STRATEGY.—The Secretary of Defense shall develop a strategy for pandemic preparedness and response that includes the following:

(1) Identification of activities necessary to be carried out prior to a pandemic to ensure preparedness and effective communication of roles and responsibilities within the Department of Defense, including—

(A) reviewing the frequency of each exercise conducted by the Department or a military department that relates to a pandemic or severe
influenza season or related force health protection;

(B) ensuring such exercises are appropriately planned, resourced, and practiced;

(C) including a consideration of the capabilities and capacities necessary to carry out the strategy under this section, and related operations for force health protection, and ensuring that these are included in each cost evaluation, Defense-wide review, or manning assessment of the Department of Defense that affects such capabilities and capacities;

(D) reviewing the placement, exploring broader utilization of global health engagement liaisons, and increasing the scope of global health activities of the Department of Defense;

(E) assessing a potential career track relating to health protection research for members of the Armed Forces and civilian employees of the Department of Defense;

(F) providing to members of the Armed Forces guidance on force health protection prior to and during a pandemic or severe influenza season, including guidance on specific behaviors or actions required, such as self-isolating, social
distancing, and additional protective measures to be carried out after contracting a novel virus or influenza;

(G) reviewing and updating the inventory of medical supplies and equipment of the Department of Defense that is available for operational support to the combatant commands prior to and during a pandemic (such as vaccines, biologics, drugs, preventive medicine, antiviral medicine, and equipment relating to trauma support), including a review of—

(i) the sufficiency of prepositioned stocks; and

(ii) the effectiveness of the Warstopper Program of the Defense Logistics Agency, or such successor program;

(H) reviewing and updating distribution plans of the Department of Defense for critical medical supplies and equipment within the inventory of the Department of Defense, including vaccines and antiviral medicines; and

(I) reviewing and updating research on infectious diseases and preventive medicine conducted by the military health system, including research conducted by the Health Related Com-
munities of Interest of the Department of Defense, the Joint Program Committees, the overseas medical laboratories of the Department of Defense, the Armed Forces Health Surveillance Branch, or other elements of the Department of Defense that conduct research in support of members of the Armed Forces or beneficiaries under the TRICARE program.

(2) Review of Department of Defense systems for health surveillance and detection to ensure continuous situational awareness and early warning with respect to a pandemic, including a review of—

(A) the levels of funding and investment, and the overall value, of the Global Emerging Infections Surveillance and Response System of the Department of Defense, including the value demonstrated by the role of such system in—

(i) improving the Department of Defense prevention and surveillance of, and the response to, infectious diseases that may impact members of the Armed Forces;

(ii) informing decisions relating to force health protection across the geographic combatant commands;
(iii) ensuring laboratory readiness to support pandemic response efforts and to understand infectious disease threats to the Armed Forces; and

(iv) coordinating and collaborating with partners, such as the geographic combatant commands, other Federal agencies, and international partners;

(B) the levels of funding and investment, and the overall value, of the overseas medical laboratories of the Department of Defense, including the value demonstrated by the role of such laboratories in conducting research and forming partnerships with other elements of the Department of Defense, other Federal agencies, international partners in the country in which such laboratory is located, and, as applicable, the private sector of the United States; and

(C) the levels of funding and investment, and the overall value, of the Direct HIV/AIDS Prevention Program of the Department of Defense, including the value demonstrated by the role of such program in developing (in coordination with other Federal agencies) programs for the prevention, care, and treatment of the
human immunodeficiency virus infection and
acquired immune deficiency syndrome.

(3) Identification of activities to limit the
spread of an infectious disease outbreak among
members of the Armed Forces and beneficiaries
under the TRICARE program, including activities to
mitigate the health, social, and economic impacts of
a pandemic on such members and beneficiaries, in-
cluding by—

(A) reviewing the role of the Department
of Defense in the National Disaster Medical
System under section 2812 of the Public Health
Service Act (42 U.S.C. 300hh–11) and imple-
menting plans across the Department that le-
verage medical facilities, personnel, and re-
response capabilities of the Federal Government
to support requirements under such Act relat-
ing to medical surge capacity;

(B) determining the range of public health
capacity, medical surge capacity, administrative
capacity, and veterinary capacity necessary for
the Armed Forces to—

(i) support operations during a pan-
demic; and
(ii) develop mechanisms to reshape force structure during such pandemic as necessary (contingent upon primary mission requirements); and

(C) determining the range of activities for operational medical support and infrastructure sustainment that the Department of Defense and other Federal agencies have the capacity to implement during a pandemic (contingent upon primary mission requirements), and develop plans for the implementation of such activities.

(b) STUDY ON RESPONSE TO COVID–19.—The Secretary shall conduct a study on the response of the military health system to the coronavirus disease 2019 (COVID–19).

(e) REPORT.—Not later than June 1, 2021, the Secretary shall submit to the congressional defense committees a report containing—

(1) the strategy under subsection (a); and

(2) the study under subsection (b), including any findings or recommendations from the study that relate to an element of the strategy under subsection (a), such as recommended changes to policy, funding, practices, manning, organization, or legislative authority.
SEC. 723. REGISTRY OF TRICARE BENEFICIARIES DIAGNOSED WITH COVID–19.

(a) Establishment.—Not later than June 1, 2021, the Secretary of Defense shall establish and maintain a registry of TRICARE beneficiaries who have been diagnosed with COVID–19.

(b) Contents.—The registry under subsection (a) shall include, with respect to each TRICARE beneficiary included in the registry, the following:

(1) The demographic information of the beneficiary.

(2) Information on the industrial or occupational history of the beneficiary, to the extent such information is available in the records regarding the COVID–19 diagnosis of the beneficiary.

(3) Administrative information regarding the COVID–19 diagnosis of the beneficiary, including the date of the diagnosis and the location and source of the test used to make the diagnosis.

(4) Any symptoms of COVID–19 manifested in the beneficiary.

(5) Any treatments for COVID–19 taken by the beneficiary, or other medications taken by the beneficiary, when the beneficiary was diagnosed with COVID–19.
(6) Any pathological data characterizing the incidence of COVID–19 and the type of treatment for COVID–19 provided to the beneficiary.

(7) Any other information determined appropriate by the Secretary.

(e) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on establishing the registry under subsection (a), including—

(1) a plan to implement the registry;

(2) the cost of implementing the registry;

(3) the location of the registry; and

(4) any recommended legislative changes with respect to establishing the registry.

(d) TRICARE BENEFICIARY DEFINED.—In this section, the term “TRICARE beneficiary” means the following:

(1) An individual covered by section 1074(a) of title 10, United States Code.

(2) A covered beneficiary (as defined in section 1072 of title 10, United States Code).
Subtitle D—Reports and Other Matters

SEC. 731. MODIFICATIONS TO PILOT PROGRAM ON CIVILIAN AND MILITARY PARTNERSHIPS TO ENHANCE INTEROPERABILITY AND MEDICAL SURGE CAPABILITY AND CAPACITY OF NATIONAL DISASTER MEDICAL SYSTEM.

Section 740 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended—

(1) in subsection (a)—

(A) by striking “The Secretary of Defense may” and inserting “Beginning not later than 180 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2021, the Secretary of Defense shall”; and

(B) by striking “and the Secretary of Transportation” and inserting “the Secretary of Transportation, and the Administrator of the Federal Emergency Management Agency”;

(2) in subsection (d), by striking “and the Secretary of Transportation” and inserting “the Secretary of Transportation, and the Administrator of the Federal Emergency Management Agency”; and

(3) in subsection (f)—
(A) by striking “the Committees on Armed Services of the Senate and the House of Representatives” each place it appears and inserting “the appropriate congressional committees”; 

(B) in paragraph (1)(B)(i), by inserting before the period the following: “, including a recommendation for at least one of the locations selected under subsection (c)” \(\) and

(C) by adding at the end the following new paragraph:

“(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term ‘appropriate congressional committees’ means the following:

“(A) The Committee on Armed Services, the Committee on Transportation and Infrastructure, the Committee on Veterans’ Affairs, the Committee on Homeland Security, and the Committee on Energy and Commerce of the House of Representatives.

“(B) The Committee on Armed Services, the Committee on Commerce, Science, and Transportation, the Committee on Veterans’ Affairs, the Committee on Homeland Security and Governmental Affairs, and the Committee on
Health, Education, Labor, and Pensions of the
Senate.”.

SEC. 732. REPORTS ON SUICIDE AMONG MEMBERS OF THE
ARMED FORCES AND SUICIDE PREVENTION
PROGRAMS AND ACTIVITIES OF THE DEPART-
MENT OF DEFENSE.

Section 741(a)(2) of the National Defense Authoriza-
tion Act for Fiscal Year 2020 (Public Law 116–92; 133
Stat. 1467) is amended—

(1) in subparagraph (B), by adding at the end
the following new clause:

“(iii) The one-year period following
the date on which the member returns
from such a deployment.”;

(2) by redesignating subparagraphs (D)
through (H) as subparagraphs (E) through (I), re-
spectively;

(3) by inserting after subparagraph (C) the fol-
lowing new subparagraph (D):

“(D) The number of suicides involving a
member who was prescribed a medication to
treat a mental health or behavioral health diag-
nosis during the one-year period preceding the
death.”; and
(4) by adding at the end the following new sub-
paragraph:

“(J) A description of the programs carried
out by the military departments to address and
reduce the stigma associated with seeking as-
sistance for mental health or suicidal
thoughts.”.

SEC. 733. CLARIFICATION OF RESEARCH UNDER JOINT
TRAUMA EDUCATION AND TRAINING DIREC-
TORATE AND INCLUSION OF MILITARY
WORKING DOGS.

(a) IN GENERAL.—Subsection (b) of section 708 of
the National Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328; 10 U.S.C. 1071 note) is
amended—

(1) in paragraph (7), by striking “of members
of the Armed Forces” and inserting “with respect to
both members of the Armed Forces and military
working dogs”; and

(2) by striking paragraph (9) and inserting the
following new paragraph:

“(9) To inform and advise the conduct of re-
search on the leading causes of morbidity and mor-
tality of members of the Armed Forces and military
working dogs in combat.”.
(b) VETERINARIANS IN PERSONNEL MANAGEMENT

PLAN.—Subsection (d)(1) of such section is amended—

(1) by redesignating subparagraph (F) as sub-
paragraph (G); and

(2) by inserting after subparagraph (E) the fol-
lowing new subparagraph:

“(F) Veterinary care.”.

SEC. 734. EXTENSION OF THE JOINT DEPARTMENT OF DE-
FENSE-DEPARTMENT OF VETERANS AFFAIRS
MEDICAL FACILITY DEMONSTRATION
PROJECT.

Section 1704(e) of the National Defense Authoriza-
tion Act for Fiscal Year 2010 (Public Law 111–84; 123
Stat. 2567), as most recently amended by section 732 of
the National Defense Authorization Act for Fiscal Year
2020 (Public Law 116–92), is further amended by strik-
ing “September 30, 2021” and inserting “September 30,
2023”.

SEC. 735. INFORMATION SHARING BY SECRETARY OF DE-
FENSE REGARDING PREVENTION OF INFANT
AND MATERNAL MORTALITY.

(a) AUTHORIZATION OF INFORMATION SHARING.—
The Secretary of Defense may enter into memoranda of
understanding with State and local health authorities to
share the practices of, and lessons learned by, the military
health system for the prevention of infant and maternal mortality.

(b) STATE DEFINED.—In this section, the term “State” means each State, the District of Columbia, each commonwealth, territory or possession of the United States, and each federally recognized Indian Tribe.

SEC. 736. GRANT PROGRAM FOR INCREASED COOPERATION ON POST-TRAUMATIC STRESS DISORDER RESEARCH BETWEEN UNITED STATES AND ISRAEL.

(a) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of Defense, acting through the Psychological Health and Traumatic Brain Injury Research Program, should seek to explore scientific collaboration between American academic institutions and non-profit research entities, and Israeli institutions with expertise in researching, diagnosing, and treating post-traumatic stress disorder.

(b) GRANT PROGRAM.—The Secretary of Defense, in coordination with the Secretary of Veterans Affairs and the Secretary of State, shall award grants to eligible entities to carry out collaborative research between the United States and Israel with respect to post-traumatic stress disorders. The Secretary of Defense shall carry out the grant program under this section in accordance with the agree-

(c) ELIGIBLE ENTITIES.—To be eligible to receive a grant under this section, an entity shall be an academic institution or a nonprofit entity located in the United States.

(d) AWARD.—The Secretary shall award grants under this section to eligible entities that—

(1) carry out a research project that—

(A) addresses a requirement in the area of post-traumatic stress disorders that the Secretary determines appropriate to research using such grant; and

(B) is conducted by the eligible entity and an entity in Israel under a joint research agreement; and

(2) meet such other criteria that the Secretary may establish.

(e) APPLICATION.—To be eligible to receive a grant under this section, an eligible entity shall submit an application to the Secretary at such time, in such manner, and containing such commitments and information as the Secretary may require.
(f) Gift Authority.—The Secretary may accept, hold, and administer, any gift of money made on the condition that the gift be used for the purpose of the grant program under this section. Such gifts of money accepted under this subsection shall be deposited in the Treasury in the Department of Defense General Gift Fund and shall be available, subject to appropriation, without fiscal year limitation.

(g) Reports.—Not later than 180 days after the date on which an eligible entity completes a research project using a grant under this section, the Secretary shall submit to Congress a report that contains—

(1) a description of how the eligible entity used the grant; and

(2) an evaluation of the level of success of the research project.

(h) Termination.—The authority to award grants under this section shall terminate on the date that is seven years after the date on which the first such grant is awarded.

SEC. 737. PILOT PROGRAM ON CRYOPRESERVATION AND STORAGE.

(a) Pilot Program.—The Secretary of Defense shall establish a pilot program to provide not more than 1,000 members of the Armed Forces serving on active
duty with the opportunity to cryopreserve and store their gametes prior to deployment to a combat zone.

(b) Period.—

(1) In general.—The Secretary shall provide for the cryopreservation and storage of gametes of a participating member of the Armed Forces under subsection (a), at no cost to the member, in a facility of the Department of Defense or at a private entity pursuant to a contract under subsection (d) until the date that is one year after the retirement, separation, or release of the member from the Armed Forces.

(2) Continued cryopreservation and storage.—At the end of the one-year period specified in paragraph (1), the Secretary shall authorize an individual whose gametes were cryopreserved and stored in a facility of the Department as described in that paragraph to select, including pursuant to an advance medical directive or military testamentary instrument completed under subsection (c), one of the following options:

(A) To continue such cryopreservation and storage in such facility with the cost of such cryopreservation and storage borne by the individual.
(B) To transfer the gametes to a private
cryopreservation and storage facility selected by
the individual.

(C) To authorize the Secretary to dispose
of the gametes of the individual not earlier than
the date that is 90 days after the end of the
one-year period specified in paragraph (1) with
respect to the individual.

(e) ADVANCE MEDICAL DIRECTIVE AND MILITARY
TESTAMENTARY INSTRUMENT.—A member of the Armed
Forces who elects to cryopreserve and store their gametes
under this section shall complete an advance medical di-
rective described in section 1044c(b) of title 10, United
States Code, and a military testamentary instrument de-
scribed in section 1044d(b) of such title, that explicitly
specifies the use of their cryopreserved and stored gametes
if such member dies or otherwise loses the capacity to con-
sent to the use of their cryopreserved and stored gametes.

(d) AGREEMENTS.—To carry out this section, the
Secretary may enter into agreements with private entities
that provide cryopreservation and storage services for
gametes.
SEC. 738. PILOT PROGRAM ON PARENTS SERVING AS CERTIFIED NURSING ASSISTANTS FOR CHILDREN UNDER TRICARE PROGRAM.

(a) Pilot Program.—The Director of the Defense Health Agency may carry out a pilot program under which an eligible parent serves as a certified nursing assistant under the TRICARE program with respect to providing personal care services to a covered child.

(b) Duration.—If the Director carries out the pilot program under subsection (a), the Director shall carry out the pilot program for a period of 18 months.

(c) Briefing.—If the Director carries out the pilot program under subsection (a), not later than one year after the date of the enactment of this Act, the Director shall provide to the congressional defense committees a briefing on the pilot program.

(d) Report.—If the Director carries out the pilot program under subsection (a), not later than 180 days after the date of the completion of the pilot program, the Director shall submit to the congressional defense committees a report on the pilot program. The report shall include—

(1) the cost of the program;

(2) an analysis of whether the pilot program met established performance metrics;
(3) an analysis of whether the pilot program provided the standard of care to the patient that is required; and

(4) the recommendation of the Director regarding whether the pilot program should be made permanent.

(e) DEFINITIONS.—In this section:

(1) The term “covered child” means a covered beneficiary described in section 1072(2)(D) of title 10, United States Code, who—

(A) is the child of a member of the uniformed services serving on active duty; and

(B) is eligible for private duty nursing under the Extended Care Health Option under subsections (d) through (f) of section 1079 of such title.

(2) The term “eligible parent” means an individual who is—

(A) a certified nursing assistant; and

(B) the parent of a covered child.

(3) The term “personal care services” means personal care services prescribed by a medical doctor and provided by a certified nursing assistant under the supervision and guidance of a registered nurse case manager.
(4) The term “TRICARE program” has the meaning given that term in section 1072 of title 10, United States Code.

SEC. 739. STUDY ON INCIDENCE OF CANCER DIAGNOSIS AND MORTALITY AMONG PILOTS IN THE ARMED FORCES.

(a) Study.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into an agreement with the National Academies of Sciences, Engineering, and Medicine to conduct a study to—

(1) determine the incidence of cancer diagnosis and mortality among members, and former members, of the Armed Forces who serve as pilots compared to such members who do not serve as pilots, including by determining such incidence based on gender, age, flying hours, Armed Force, and type of aircraft; and

(2) determine the appropriate age to begin screening such members for cancer, including by determining such age based on gender, flying hours, Armed Force, and type of aircraft.

(b) Submission.—Not later than two years after the date on which the Secretary enters into the agreement under subsection (a), the Secretary shall submit to the ap-
appropriate congressional committees a report on the findings from the study under such subsection.

(c) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the Committees on Armed Services and Veterans’ Affairs of the House of Representatives; and

(B) the Committees on Armed Services and Veterans’ Affairs of the Senate.

(2) The term “Armed Forces” means each Armed Force under the jurisdiction of the Secretary of a military department.

(3) The term “pilot” includes an individual who frequently accompanies a pilot in a cockpit, such as a navigator.

SEC. 740. REPORT ON DIET AND NUTRITION OF MEMBERS OF THE ARMED FORCES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the diet and nutrition of members of the Armed Forces. The report shall describe the following:
(1) The relationship between the diet and nutrition of members and the health, performance, and combat effectiveness of members.

(2) The relationship between diets high in Omega–3 fatty acids, or other diets that may lower inflammation and obesity, and improved mental health.

(3) The extent to which the food and beverages offered at the dining halls of the Armed Forces as of the date of the report are designed to optimize the health, performance, and combat effectiveness of members according to science-based approaches.

(4) The plan of the Secretary to improve the health, performance, and combat effectiveness of members by modifying the food and beverages offered at the dining halls of the Armed Forces, including in ways that minimize the change members.

(5) Expected costs and timeline to implement such plan, including any expected savings from reduced medical costs.
SEC. 741. REPORT ON COSTS AND BENEFITS OF ALLOWING RETIRED MEMBERS OF THE ARMED FORCES TO CONTRIBUTE TO HEALTH SAVINGS ACCOUNTS.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Assistant Secretary of Defense for Health Affairs shall submit to the congressional defense committees a report on the costs and benefits of allowing covered individuals to make contributions to a health savings account.

(b) MATTERS.—The report under subsection (a) shall include a description of the following:

(1) Any anticipated cost savings as a result of allowing covered individuals to make contributions to health savings accounts.

(2) Any anticipated increase in health care options available to covered individuals as a result of allowing such contributions.

(3) Any anticipated disruption or delay in health services or benefits for covered individuals as a result of allowing such contributions.

(c) DEFINITIONS.—In this section:

(1) The term “covered individual”—

(A) means a beneficiary covered by subsection (c) of section 1086 of title 10, United States Code; and
(B) includes a Medicare-eligible beneficiary described in subsection (d)(2) of such section.

(2) The term “health savings account” has the meaning given that term in section 223(d) of the Internal Revenue Code of 1986.

**SEC. 742. STUDY ON TOXIC EXPOSURE AT KARSHI–KHANABAD AIR BASE, UZBEKISTAN.**

(a) Study.—

(1) In general.—The Secretary of Defense shall conduct a study on toxic exposure by members of the Armed Forces deployed to Karshi–Khanabad Air Base, Uzbekistan, at any time during the period beginning October 1, 2001, and ending December 31, 2005.

(2) Matters included.—The study under paragraph (1) shall include the following:

(A) An assessment regarding the conditions of Karshi–Khanabad Air Base, Uzbekistan, during the period beginning October 1, 2001, and ending December 31, 2005, including an identification of toxic substances contaminating the Air Base during such period.

(B) An epidemiological study of the health consequences of a member of the Armed Forces deployed to the Air Base during such period.
(C) An assessment of any association between exposure to toxic substances identified under subparagraph (A) and the health consequences studied under subparagraph (B).

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the House of Representatives and the Senate a report on the results of the study under subsection (a).

SEC. 743. AUDIT OF MEDICAL CONDITIONS OF TENANTS IN PRIVATIZED MILITARY HOUSING.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Inspector General of the Department of Defense shall commence the conduct of an audit of the medical conditions of eligible individuals and the association between adverse exposures of such individuals in unsafe or unhealthy housing units and the health of such individuals.

(b) CONTENT OF AUDIT.—The audit conducted under subsection (a) shall—

(1) determine the percentage of units of privatized military housing that are unsafe or unhealthy housing units;

(2) study the adverse exposures of eligible individuals that relate to residing in an unsafe or
unhealthy housing unit and the effect of such exposures on the health of such individuals; and

(3) determine the association, to the extent permitted by available scientific data, and provide quantifiable data on such association, between such adverse exposures and the occurrence of a medical condition in eligible individuals residing in unsafe or unhealthy housing units.

(e) CONDUCT OF AUDIT.—The Inspector General of the Department shall conduct the audit under subsection (a) using the same privacy preserving guidelines used by the Inspector General in conducting other audits of health records.

(d) SOURCE OF DATA.—In conducting the audit under subsection (a), the Inspector General of the Department shall use—

(1) de-identified data from electronic health records of the Department;

(2) records of claims under the TRICARE program (as defined in section 1072(7) of title 10, United States Code); and

(3) such other data as determined necessary by the Inspector General.

(e) SUBMITTAL AND PUBLIC AVAILABILITY OF REPORT.—Not later than one year after the commencement
of the audit under subsection (a), the Inspector General of the Department shall—

(1) submit to the Secretary of Defense and the Committees on Armed Services of the Senate and the House of Representatives a report on the results of the audit conducted under subsection (a); and

(2) publish such report on a publicly available internet website of the Department of Defense.

(f) DEFINITIONS.—In this section:

(1) The term “eligible individual” means a member of the Armed Forces or a family member of a member of the Armed Forces who—

(A) has resided in an unsafe or unhealthy housing unit; and

(B) has registered under the Housing Environmental Health Response Registry of the Army.

(2) The term “privatized military housing” means military housing provided under subchapter IV of chapter 169 of title 10, United States Code.

(3) The term “unsafe or unhealthy housing unit” means a unit of privatized military housing in which, at any given time, at least one of the following hazards is present:
(A) Physiological hazards, including the following:

(i) Dampness or microbial growth.

(ii) Lead-based paint.

(iii) Asbestos or manmade fibers.

(iv) Ionizing radiation.

(v) Biocides.

(vi) Carbon monoxide.

(vii) Volatile organic compounds.

(viii) Infectious agents.

(ix) Fine particulate matter.

(B) Psychological hazards, including ease of access by unlawful intruders or lighting issues.

(C) Poor ventilation.

(D) Safety hazards.

(E) Other hazards as determined by the Inspector General of the Department.

SEC. 744. REPORT ON INTEGRATED DISABILITY EVALUATION SYSTEM.

(a) In General.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report on the findings of a study, conducted by the Secretary for the purposes of the
report, of the implementation and application of the Integrated Disability Evaluation System.

(b) MATTERS INCLUDED.—The report under subsection (a) shall include the following:

(1) All changes to policies and procedures applicable to the implementation of the Integrated Disability Evaluation System from the previous disability evaluation system.

(2) The extent to which the Integrated Disability Evaluation System is the primary means of processing members of the Armed Forces through the disability evaluation system process.

(3) The extent to which the military departments and the Defense Health Agency coordinate—

(A) treatment of members of the Armed Forces;

(B) referrals of members of the Armed Forces to a medical evaluation board;

(C) appointing a convening authority and staffing a medical evaluation board;

(D) the sharing of medical documentation with a medical evaluation board;

(E) evaluations of members of the Armed Forces for initial or subsequent limited duty status; and
(F) a medical evaluation board referral to a physical evaluation board.

(4) The process for members of the Armed Forces to request an impartial medical review or rebut medical evaluation board findings.

(5) The criteria a medical evaluation board convening authority applies when considering such requests under paragraph (4).

(6) The average time to process Integrated Disability Evaluation System cases by both phase and stage (as defined in Department of Defense Manual 1332.18) for both the active component and reserve component.

SEC. 745. REVIEW AND REPORT ON PREVENTION OF SUICIDE AMONG MEMBERS OF THE ARMED FORCES STATIONED AT REMOTE INSTALLATIONS OUTSIDE THE CONTIGUOUS UNITED STATES.

(a) REVIEW REQUIRED.—The Comptroller General of the United States shall conduct a review of efforts by the Department of Defense to prevent suicide among members of the Armed Forces stationed at covered installations.
(b) **ELEMENTS OF REVIEW.**—The review conducted under subsection (a) shall include an assessment of each of the following:


2. Current suicide prevention programs of the Armed Forces and activities for members of the Armed Forces stationed at covered installations and their dependents, including programs provided by the Defense Health Program and the Office of Suicide Prevention.

3. The integration of mental health screenings and suicide risk and prevention efforts for members of the Armed Forces stationed at covered installations and their dependents into the delivery of primary care for such members and dependents.

4. The standards for responding to attempted or completed suicides among members of the Armed Forces stationed at covered installations and their dependents, including guidance and training to assist commanders in addressing incidents of attempted or completed suicide within their units.
(5) The standards regarding data collection for members of the Armed Forces stationed at covered installations and their dependents, including related factors such as domestic violence and child abuse.

(6) The means to ensure the protection of privacy of members of the Armed Forces stationed at covered installations and their dependents who seek or receive treatment related to suicide prevention.

(7) The availability of information from indigenous populations on suicide prevention for members of the Armed Forces stationed at covered installations who are members of such a population.

(8) The availability of information from graduate research programs of institutions of higher education on suicide prevention for members of the Armed Forces.

(9) Such other matters as the Comptroller General considers appropriate in connection with the prevention of suicide among members of the Armed Forces stationed at covered installations and their dependents.

c) BRIEFING AND REPORT.—The Comptroller General shall—

(1) not later than October 1, 2021, brief the Committees on Armed Services of the Senate and
the House of Representatives on preliminary observ-
ations relating to the review conducted under sub-
section (a); and

(2) not later than March 1, 2022, submit to the
Committees on Armed Services of the Senate and
the House of Representatives a report containing the
results of such review.

(d) COVERED INSTALLATION DEFINED.—In this sec-
tion, the term “covered installation” means a remote in-
stallation of the Department of Defense outside the con-
tiguous United States.

Subtitle E—Mental Health Services
From Department of Veterans
Affairs for Members of Reserve
Components

SEC. 751. SHORT TITLE.

This subtitle may be cited as the “Care and Readi-

ness Enhancement for Reservists Act of 2020” or the

“CARE for Reservists Act of 2020”.

SEC. 752. EXPANSION OF ELIGIBILITY FOR READJUSTMENT COUNSELING AND RELATED OUTPATIENT SERVICES FROM DEPARTMENT OF VETERANS AFFAIRS TO INCLUDE MEMBERS OF RESERVE COMPONENTS OF THE ARMED FORCES.

(a) Readjustment Counseling.—Subsection (a)(1) of section 1712A of title 38, United States Code, is amended by adding at the end the following new sub-paragraph:

“(D)(i) The Secretary, in consultation with the Secretary of Defense, may furnish to any member of the reserve components of the Armed Forces who has a behavioral health condition or psychological trauma, counseling under subparagraph (A)(i), which may include a comprehensive individual assessment under subparagraph (B)(i).

“(ii) A member of the reserve components of the Armed Forces described in clause (i) shall not be required to obtain a referral before being furnished counseling or an assessment under this subparagraph.”.

(b) Outpatient Services.—Subsection (b) of such section is amended—

(1) in paragraph (1)—

(A) by inserting “to an individual” after “If, on the basis of the assessment furnished”; and
(B) by striking “veteran” each place it appears and inserting “individual”; and

(2) in paragraph (2), by striking “veteran” and inserting “individual”.

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on the date that is one year after the date of the enactment of this Act.

SEC. 753. PROVISION OF MENTAL HEALTH SERVICES FROM DEPARTMENT OF VETERANS AFFAIRS TO MEMBERS OF RESERVE COMPONENTS OF THE ARMED FORCES.

(a) IN GENERAL.—Subchapter VIII of chapter 17 of title 38, United States Code, is amended by adding at the end the following new section:

“§ 1789. Mental health services for members of the reserve components of the Armed Forces

“The Secretary, in consultation with the Secretary of Defense, may furnish mental health services to members of the reserve components of the Armed Forces.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to section 1788 the following new item:

“1789. Mental health services for members of the reserve components of the Armed Forces.”.
SEC. 754. INCLUSION OF MEMBERS OF RESERVE COMPONENTS IN MENTAL HEALTH PROGRAMS OF DEPARTMENT OF VETERANS AFFAIRS.

(a) Suicide Prevention Program.—

(1) In general.—Section 1720F of title 38, United States Code, is amended by adding at the end the following new subsection:

“(l)(1) Covered Individual Defined.—In this section, the term ‘covered individual’ means a veteran or a member of the reserve components of the Armed Forces.

“(2) In determining coverage of members of the reserve components of the Armed Forces under the comprehensive program, the Secretary shall consult with the Secretary of Defense.”.

(2) Conforming Amendments.—Such section is further amended—

(A) in subsection (a), by striking “veterans” and inserting “covered individuals”;

(B) in subsection (b), by striking “veterans” each place it appears and inserting “covered individuals”;

(C) in subsection (c)—

(i) in the subsection heading, by striking “OF VETERANS”;

(ii) in paragraph (3)—
(ii) by striking “veterans” each place it appears and inserting “covered individuals”; and

(iii) by striking “veteran” and inserting “individual”;

(D) in subsection (d), by striking “to veterans” each place it appears and inserting “to covered individuals”;

(E) in subsection (e), in the matter preceding paragraph (1), by striking “veterans” and inserting “covered individuals”;

(F) in subsection (f)—

(i) in the first sentence, by striking “veterans” and inserting “covered individuals”; and

(ii) in the second sentence, by inserting “or members” after “veterans”;

(G) in subsection (g), by striking “veterans” and inserting “covered individuals”;

(H) in subsection (h), by striking “veterans” and inserting “covered individuals”;

(I) in subsection (i)—

(i) in the subsection heading, by striking “FOR VETERANS AND FAMILIES”;

...
(ii) in the matter preceding paragraph (1), by striking “veterans and the families of veterans” and inserting “covered individuals and the families of covered individuals”; 

(iii) in paragraph (2), by striking “veterans” and inserting “covered individuals”; and 

(iv) in paragraph (4), by striking “veterans” each place it appears and inserting “covered individuals”; 

(J) in subsection (j)— 

(i) in paragraph (1), by striking “veterans” each place it appears and inserting “covered individuals”; and 

(ii) in paragraph (4)— 

(I) in subparagraph (A), in the matter preceding clause (i), by striking “women veterans” and inserting “covered individuals who are women”; 

(II) in subparagraph (B), by striking “women veterans who” and inserting “covered individuals who are women and”; and
(III) in subparagraph (C), by striking “women veterans” and inserting “covered individuals who are women”; and

(K) in subsection (k), by striking “veterans” and inserting “covered individuals”.

(3) CLERICAL AMENDMENTS.—

(A) In general.—Such section is further amended, in the section heading, by inserting “and members of the reserve components of the Armed Forces” after “veterans”.

(B) Table of sections.—The table of sections at the beginning of such subchapter is amended by striking the item relating to section 1720F and inserting the following new item:

“1720F. Comprehensive program for suicide prevention among veterans and members of the reserve components of the Armed Forces.”.

(b) MENTAL HEALTH TREATMENT FOR INDIVIDUALS WHO SERVED IN CLASSIFIED MISSIONS.—

(1) In general.—Section 1720H of such title is amended—

(A) in subsection (a)—

(i) in paragraph (1)—
(I) by striking “eligible veteran” and inserting “eligible individual”; and

(II) by striking “the veteran” and inserting “the individual”; and

(ii) in paragraph (3), by striking “eligible veterans” and inserting “eligible individuals”; 

(B) in subsection (b)—

(i) by striking “a veteran” and inserting “an individual”; and

(ii) by striking “eligible veteran” and inserting “eligible individual”; and

(C) in subsection (c)—

(i) in paragraph (2), in the matter preceding subparagraph (A), by striking “The term ‘eligible veteran’ means a veteran” and inserting “The term ‘eligible individual’ means a veteran or a member of the reserve components of the Armed Forces”; and

(ii) in paragraph (3), by striking “eligible veteran” and inserting “eligible individual”.

(2) CLERICAL AMENDMENTS.—
(A) In General.—Such section is further amended, in the section heading, by inserting “and members of the reserve components of the Armed Forces” after “veterans”.

(B) Table of Sections.—The table of sections at the beginning of chapter 17 of such title is amended by striking the item relating to section 1720H and inserting the following new item:

“1720H. Mental health treatment for veterans and members of the reserve components of the Armed Forces who served in classified missions.”.

SEC. 755. REPORT ON MENTAL HEALTH AND RELATED SERVICES PROVIDED BY DEPARTMENT OF VETERANS AFFAIRS TO MEMBERS OF THE ARMED FORCES.

(a) In General.—Not later than one year after the date of the enactment of this Act, the Secretary of Veterans Affairs shall submit to the congressional defense committees and the Committees on Veterans’ Affairs of the Senate and the House of Representatives a report that includes an assessment of the following:

(1) The increase, as compared to the day before the date of the enactment of this Act, of the number of members of the Armed Forces that use readjustment counseling or outpatient mental health care
from the Department of Veterans Affairs, disaggregated by State, Vet Center location, and clinical care site of the Department, as appropriate.

(2) The number of members of the reserve components of the Armed Forces receiving telemental health care from the Department.

(3) The increase, as compared to the day before the date of the enactment of this Act, of the annual cost associated with readjustment counseling and outpatient mental health care provided by the Department to members of the reserve components of the Armed Forces.

(4) The changes, as compared to the day before the date of the enactment of this Act, in staffing, training, organization, and resources required for the Department to offer readjustment counseling and outpatient mental health care to members of the reserve components of the Armed Forces.

(5) Any challenges the Department has encountered in providing readjustment counseling and outpatient mental health care to members of the reserve components of the Armed Forces.

(b) Vet Center Defined.—In this section, the term ‘‘Vet Center’’ has the meaning given that term in section 1712A(h) of title 38, United States Code.
TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

Subtitle A—Acquisition Policy and Management

SEC. 801. CONGRESSIONAL NOTIFICATION OF TERMINATION OF A MIDDLE TIER ACQUISITION PROGRAM.

Section 804 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2302 note), is amended by adding at the end the following new subsection:

“(e) REPORT.—Not later than 30 days after the date of termination of an acquisition program commenced using the authority under this section, the Secretary of Defense shall submit to Congress a notification of such termination. Such notice shall include—

“(1) the initial amount of a contract awarded under such acquisition program;

“(2) the aggregate amount of funds awarded under such contract; and

“(3) written documentation of the reason for termination of such acquisition program.”.
SEC. 802. MODIFICATION TO THE DEFINITION OF NON-TRADITIONAL DEFENSE CONTRACTOR.

Section 2302(9) of title 10, United States Code, is amended to read as follows:

“(9) the term ‘nontraditional defense contractor’, with respect to a procurement or with respect to a transaction authorized under section 2371(a) or 2371b of this title, means—

“(A) an entity that is not currently performing and has not performed, for at least the one-year period preceding the solicitation of sources by the Department of Defense for the procurement or transaction, any contract or subcontract for the Department of Defense that is subject to full coverage under the cost accounting standards prescribed pursuant to section 1502 of title 41 and the regulations implementing such section; or

“(B) a corporation all of the stock of which is owned by an employee stock ownership plan (as defined in section 4975(e)(7) of the Internal Revenue Code of 1986).”.
SEC. 803. MAJOR WEAPON SYSTEMS: LIFE-CYCLE SUSTAINMENT PLAN.

(a) In General.—Chapter 139 of title 10, United States Code, is amended by inserting after section 2366c the following new section:

“§ 2366d. Major weapon systems: life-cycle sustainment plans

“(a) Requirement.—Before granting Milestone C approval for a major weapon system acquired pursuant to a major defense acquisition program, the milestone decision authority for such program shall submit to the Secretary a life-cycle sustainment plan.

“(b) Elements.—A life-cycle sustainment plan required under subsection (a) shall include—

“(1) a sustainment plan that includes the product support strategy, performance, and operation and support costs of the major weapon system;

“(2) metrics to measure readiness and availability of the major weapon system to perform its intended purpose or function;

“(3) a schedule for the major maintenance and overhaul activities that will be required during the life cycle of the major weapon system; and

“(4) a sustainment baseline cost estimate for the planned life cycle of the major weapon system that includes a technical data and intellectual prop-
erty management plan that clearly delineates which subsystems of the major weapon system are Government-owned or Government-required and which subsystems are owned by a prime contractor or subcontractor (at any tier).

“(c) REVIEW.—The Secretary of Defense shall review a life-cycle sustainment plan submitted under subsection (a) 5 years after the receipt of Milestone C approval described in such subsection, and every 10 years thereafter, to ensure that the major weapon system is cost effective and is able to meet required metrics relating to readiness and availability of such system.

“(d) NOTIFICATION REQUIREMENTS.—

“(1) IN GENERAL.—Not later than 45 days after a significant and critical breach of a sustainment baseline cost estimate of a life-cycle sustainment plan for a major weapon system acquired pursuant to a major defense acquisition program, the Secretary of the military department that is managing such program shall submit to the congressional defense committees a notification of such breach.

“(2) REVIEW.—Not later than 180 days after submitting a notification under paragraph (1), such Secretary shall review the sustainment costs of the
major weapon system to which such notification relates relative to the sustainment baseline cost estimate.

“(3) ADDITIONAL SUBMISSION.—Such Secretary shall submit to the congressional defense committees—

“(A) a certification that the review required under paragraph (2) has been completed; and

“(B) a remediation plan or endorsement by such Secretary that the sustainment cost growth is justified and required for such Secretary to meet the requirements related to the major defense acquisition program.

“(e) DEFINITIONS.—In this section:

“(1) MAJOR DEFENSE ACQUISITION PROGRAM.—The term ‘major defense acquisition program’ has the meaning given in section 2430 of this title.

“(2) MAJOR WEAPON SYSTEM.—The term ‘major weapon system’ has the meaning given in section 2379(f) of this title.

“(3) MILESTONE C APPROVAL.—The term ‘Milestone C approval’ means a decision to enter into production and deployment pursuant to guid-
ance prescribed by the Secretary of Defense for the
management of a major defense acquisition pro-
gram.

“(4) SUSTAINMENT BASELINE COST ESTI-
MATE.—The term ‘sustainment baseline cost esti-
mate’ means the cost estimate and schedule for a
life-cycle sustainment plan required under this sec-
tion.”.

(b) CLERICAL AMENDMENT.—The table of sections
at the beginning of chapter 139 of title 10, United States
Code, is amended by inserting after the item relating to
section 2366c the following new item:

“2366d. Major weapon systems: life-cycle sustainment plans.”.

SEC. 804. CONTRACTOR BUSINESS SYSTEMS.

Section 893 of the Ike Skelton National Defense Au-
thorization Act for Fiscal Year 2011 (Public Law 111–
383; 10 U.S.C. 2302 note) is amended—

(1) in subsection (b)—

(A) in paragraph (2), by striking “signifi-
cant deficiencies” and inserting “deficiencies
and material weaknesses”; 

(B) in paragraph (4), by striking “signifi-
cant deficiency” and inserting “material weak-
ness”; and
(C) in paragraph (5)(A), by striking “significant deficiency” and inserting “material weakness”; 
(2) in subsection (d)(1), by striking “significant deficiencies” and inserting “material weaknesses”; 
(3) in subsection (g)— 
(A) in paragraph (3), by striking “significant deficiency” and inserting “material weakness”; 
(B) by striking paragraph (4); 
(C) by redesignating paragraph (5) as paragraph (4); and 
(D) by adding at the end the following new paragraph:

“(5) The term ‘material weakness’ means a deficiency or combination of deficiencies in the internal control of a contractor business system used to comply with contracting requirements of the Department of Defense, or other shortcomings in such system, such that there is a reasonable possibility that a material noncompliance with contracting requirements will not be prevented, or detected and corrected, on a timely basis.”.
SEC. 805. ACQUISITION AUTHORITY OF THE DIRECTOR OF
THE JOINT ARTIFICIAL INTELLIGENCE CENTER.

(a) Authority.—

(1) In general.—The Director of the Joint Artificial Intelligence Center shall be responsible for, and shall have the authority to conduct, the following covered activities:

(A) Development and acquisition of artificial intelligence technologies, services, and capabilities.

(B) Sustainment of artificial intelligence technologies, services, and capabilities.

(2) Acquisition functions.—Subject to the authority, direction, and control of the Secretary of Defense, the Director shall have authority to exercise the functions of a head of an agency (as defined in section 2302 of title 10, United States Code) with respect to a covered activity described in paragraph (1).

(b) JAIC Acquisition Executive.—

(1) In general.—The staff of the Director shall include an acquisition executive who shall be responsible for the supervision of covered activities under subsection (a). The acquisition executive shall have the authority—
(A) to negotiate memoranda of agreement with any element of the Department of Defense to carry out the acquisition of technologies, services, and capabilities described in subsection (a)(1) on behalf of the Center;

(B) to supervise the acquisition of technologies, services, and capabilities described in subsection (a)(1);

(C) to represent the Center in discussions with military departments regarding acquisition programs relating to covered activities for which the Center is involved; and

(D) to work with the military departments to ensure that the Center is appropriately represented in any joint working group or integrated product team regarding acquisition programs relating to covered activities for which the Center is involved.

(2) DELIVERY OF ACQUISITION SOLUTIONS.—

The acquisition executive of the Center shall be—

(A) responsible to the Director for rapidly delivering acquisition solutions to meet validated artificial intelligence requirements;
(B) subordinate to the Under Secretary of Defense for Acquisition and Sustainment in matters of acquisition;

(C) subject to the same oversight as the service acquisition executives; and

(D) included on the distribution list for acquisition directives and instructions of the Department of Defense.

(e) Acquisition Personnel.—

(1) In general.—The Secretary of Defense shall provide the Center with ten full-time employees to support the Director in carrying out the requirements of this section. Such employees shall have experience in—

(A) program acquisition;

(B) the Joint Capabilities Integration and Development System process;

(C) program management;

(D) system engineering; and

(E) cost analysis.

(2) Existing Personnel.—The personnel provided under this subsection shall be provided from among the existing personnel of the Department of Defense.
(d) Budget.—Any budget proposal of the Center for funding for any covered activity described under subsection (a) shall be disaggregated by the amount requested for each covered activity.

(e) Funding.—In exercising the authority granted in subsection (a), the Director may not obligate or expend more than $150,000,000 out of the funds made available in each of fiscal years 2021, 2022, 2023, 2024, and 2025 to enter into new contracts to support covered activities carried out under this section.

(f) Implementation Plan Required.—

(1) In general.—The Secretary of Defense may use the authority granted under subsection (a) 30 days after the date on which the Secretary provides to the congressional defense committees a plan for implementation such authority. The plan shall include the following:

(A) A Department of Defense-wide definition of artificial intelligence technologies, services, and capabilities.

(B) Summaries of the components to be negotiated in any memoranda of agreement with an element of the Department of Defense to carry out covered activities described under subsection (a).
(C) Timelines for the negotiation and approval of any such memorandum of agreement.

(D) Plan for oversight of the position of acquisition executive established in subsection (b).

(E) Assessment of the acquisition workforce needs of the Center to support the authority in subsection (a) until September 30, 2025.

(F) Other matters as appropriate.

(2) RELATIONSHIP TO OTHER AUTHORITIES.—The requirement to submit a plan under this subsection is in addition to the requirements under section 260 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1293).

(g) SUNSET.—Effective October 1, 2025, the Director may not exercise the authority under subsection (a) and may not enter into any new contracts under this section. The performance on any contract entered into before such date may continue according to the terms of such contract.

(h) DEFINITIONS.—In this section:

(1) CENTER.—The term “Center” means the Joint Artificial Intelligence Center of the Department of Defense established pursuant to the memo-
randum of the Secretary of Defense dated June 27, 2018, and titled “Establishment of the Joint Artificial Intelligence Center”, or any successor to such Center.

(2) COVERED ACTIVITY.—The term “covered activity”—

(A) means an acquisition activity conducted using the authority under this section; and

(B) does not include—

(i) a major defense acquisition program (as defined in section 2430 of title 10, United States Code); or

(ii) a procurement of technologies related to artificial intelligence, if the duration of such procurement is expected to be greater than five years.

(3) DIRECTOR.—The term “Director” means the Director of the Center.

(4) ELEMENT.—The term “element” means an element described under section 111(b) of title 10, United States Code.

(5) MILITARY DEPARTMENTS.—The term “military departments” has the meaning given in section 101(8) of title 10, United States Code.
(6) SERVICE ACQUISITION EXECUTIVE.—The term “service acquisition executive” has the meaning given in section 101(10) of title 10, United States Code.

SEC. 806. REFORMING THE DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—The Secretary of Defense shall take such action as necessary to reform the Department of Defense to provide more effective, efficient, and economical administration and operation, and to eliminate duplication.

(b) NATIONAL DEFENSE STRATEGY.—Each national defense strategy required by section 113(g) of title 10, United States Code, shall include a description of the reform efforts described under subsection (a).

(c) DEFENSE PLANNING GUIDANCE.—The annual Defense Planning Guidance (as described in section 113(g)(2)(A) of title 10, United States Code) shall include an explanation of how the Department of Defense will carry out the reform efforts described under subsection (a).

(d) DEFENSE AUTHORIZATION REQUEST.—The Secretary of Defense shall include in the annual defense authorization request (as defined in section 113a of title 10, United States Code) a description of the savings from im-
plementing the reform efforts described under subsection (a). Such description—

(1) shall be set forth separately from requested amounts;

(2) may not include savings relating to the deferment of requirements or taking of risk;

(3) shall be identified across the future-years defense plan; and

(4) shall provide a comparison with the savings in the annual defense authorization request from the prior year.

(e) POLICY.—The Secretary of Defense shall develop a policy and issue guidance to implement reform within the Department of Defense in order to provide more effective, efficient, and economical administration and operations, and to eliminate duplication.

(f) REPORT.—The Secretary of Defense shall report annually to Congress on the expenditures, work, and accomplishments of the Department of Defense during the period covered by the report, together with a report on the reform efforts described under subsection (a).

(g) MILITARY DEPARTMENTS.—Each Secretary of a military department shall—

(1) take such action as necessary to reform the military department to provide more effective, effi-
cient, and economical administration and operations, and to eliminate duplication; and

(2) develop a policy and issue guidance to implement reform within the military department in order to provide more effective, efficient, and economical administration and operations, and to eliminate duplication.

(h) COMBATANT COMMANDS.—Each commander of a combatant command shall provide the Secretary of Defense with recommendations to reform the combatant command of such commander to provide more effective, efficient, and economical administration and operations, and to eliminate duplication.

SEC. 807. ALTERNATIVE SPACE ACQUISITION SYSTEM FOR THE UNITED STATES SPACE FORCE.

(a) MILESTONE DECISION AUTHORITY FOR MAJOR DEFENSE ACQUISITION PROGRAMS AND MAJOR SYSTEMS.—

(1) PROGRAM EXECUTIVE OFFICER.—The Secretary of the Air Force may assign an appropriate program executive officer as the milestone decision authority for major defense acquisition programs of the United States Space Force.

(2) PROGRAM MANAGER.—The program executive officer assigned under paragraph (1) may dele-
gate authority over major systems to an appropriate program manager.

(b) ALTERNATIVE SPACE ACQUISITION SYSTEM.—

(1) IN GENERAL.—The Secretary of Defense shall take such actions necessary to develop an acquisition pathway within the Department of Defense to be known as the “Alternative Space Acquisition System” that is specifically tailored for space systems and programs in order to achieve faster acquisition and more rapid fielding of critical systems (including by using new commercial capabilities and services), while maintaining accountability for effective programs that are delivered on time and on budget.

(2) GOAL.—The goal of the Alternative Space Acquisition System shall be to quickly and effectively acquire space warfighting capabilities needed to address the requirements of the national defense strategy (as defined under section 113(g) of title 10, United States Code).

(3) REPORT.—Not later than January 15, 2021, the Secretary of Defense shall submit to the congressional defense committees a report on the Alternative Space Acquisition System that includes the following:
(A) Proposed United States Space Force budget line items for fiscal year 2022, including—

(i) a comparison with budget line items for major defense acquisition programs and major systems of the United States Space Force for three previous fiscal years; and

(ii) measures to ensure sufficient transparency related to the performance of the Alternative Space Acquisition System and opportunities to oversee funding priorities for the Alternative Space Acquisition System;

(B) Proposed revised, flexible, and streamlined options for joint requirements validation in order to be more responsive and innovative, while ensuring the ability of the Joint Chiefs of Staff to ensure top-level system requirements are properly prioritized to address joint warfighting needs;

(C) A list of acquisition programs of the United States Space Force for which multiyear procurement authorities are recommended.
(D) A list of space acquisition programs that may be able to use existing alternative acquisition pathways.

(E) Policies for a new Alternative Space Acquisition System with specific acquisition key decision points and reporting requirements for development, fielding, and sustainment activities that meets the requirements of the adaptive acquisition framework (as described in Department of Defense Instruction 5000.02, “Operation of the Adaptive Acquisition Framework”);

(F) Updated determination authority for procurement of useable end items that are not weapon systems.

(G) Policies and a governance structure for a separate United States Space Force budget topline, corporate process, and portfolio management process.

(H) An analysis of the risks and benefits of the delegation of the authority of the head of contracting activity authority to the Chief of Space Operations in a manner that would not expand the operations of the United States Space Force.
(c) **Comptroller General Review.**—Not later than 60 days after the submission of the report required under subsection (b)(3), the Comptroller General of the United States shall review such report and submit to the congressional defense committees an analysis and recommendations based on such report.

(d) **Definitions.**—In this section:

1. **Major Defense Acquisition Program.**—The term “major defense acquisition program” has the meaning given in section 2430 of title 10, United States Code.

2. **Major System.**—The term “major system” has the meaning given in section 2302 of title 10, United States Code.

3. **Milestone Decision Authority.**—The term “milestone decision authority” has the meaning given in section 2431a of title 10, United States Code.

4. **Program Executive Officer; Program Manager.**—The terms “program executive officer” and “program manager” have the meanings given those terms, respectively, in section 1737 of title 10, United States Code.
Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

SEC. 811. SUSTAINMENT REFORM FOR THE DEPARTMENT OF DEFENSE.

(a) Sustainment Activities in the National Defense Strategy.—

(1) In general.—Section 113(g)(1)(B) of title 10, United States Code, is amended by adding at the end the following new subsection:

“(vii) A strategic framework prescribed by the Secretary that guides how the Department will prioritize and integrate activities relating to sustainment of major defense acquisition programs, core logistics capabilities (as described under section 2464 of this title), and the national technology and industrial base (as defined in section 2500 of this title).”.

(2) Duties of the Under Secretary of Defense for Acquisition and Sustainment.—Section 133b(b) of title 10, United States Code, is amended—

(A) in paragraph (7), by striking “and” at the end;
(B) in paragraph (8), by striking the pe-
period at the end and inserting “; and”; and

(C) by adding at the end the following new
paragraph:

“(9) advising the Secretary on all aspects of ac-
quisition and sustainment relating to—

“(A) major defense acquisition programs;

“(B) core logistics capabilities (as de-
scribed under section 2464 of this title);

“(C) the national technology and industrial
base (as defined in section 2500 of this title);

and

“(D) the development of the strategic
framework described in section
113(g)(1)(B)(vii) of this title.”.

(3) INTERIM GUIDANCE.—Not later than Octo-
ber 1, 2021, the Secretary of Defense shall publish
interim guidance to carry out the requirements of
this subsection.

(b) REPORT.—Not later than February 1, 2021, the
Secretary of Defense shall submit to the congressional de-
fense committees a report on the progress towards pub-
lishing the interim guidance required under subsection
(a)(3).
SEC. 812. MODIFICATIONS TO COMPTROLLER GENERAL ASSESSMENT OF ACQUISITION PROGRAMS AND RELATED INITIATIVES.

Section 2229b(b)(2) of title 10, United States Code, is amended by striking “a summary of” and all that follows through “discussion of the” and inserting “a discussion of selected organizational, policy, and legislative changes, as determined appropriate by the Comptroller General, and the potential”.

SEC. 813. CONTRACTOR WHISTLEBLOWER PROTECTIONS RELATING TO NONDISCLOSURE AGREEMENTS.

(a) DEPARTMENT OF DEFENSE CONTRACTORS.—

(1) IN GENERAL.—Section 2409(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(4) This section applies to any disclosure made by an employee of a contractor, subcontractor, grantee, or subgrantee or personal services contractor whether or not such employee has signed, or is subject to, a nondisclosure policy, form, or agreement with such contractor, subcontractor, grantee, or subgrantee or personal services contractor.”.

(2) NOTIFICATION OF EMPLOYEES.—Section 2409(d) of title 10, United States Code, is amended—
(A) by striking “inform” and inserting “submit to the Secretary or Administrator (as applicable) a certification stating that such contractor or subcontractor has informed”; and

(B) by inserting “(including the applicability of such rights and remedies if such an employee has signed, or is subject to, a nondisclosure policy, form, or agreement)” after “under this section”.

(3) APPLICATION.—With respect to a nondisclosure policy, form, or agreement between a covered contractor and a covered employee that was in effect before the effective date of this Act, paragraph (4) of section 2409(a) of title 10, United States Code, as added by paragraph (1), shall apply if a covered contractor has provided notice to a covered employee of the rights and remedies of the covered employee relating to a nondisclosure policy, form, or agreement under section 2409(d) of such title, as amended by paragraph (2).

(4) WEBSITE UPDATE.—The Inspector General of the Department of Defense and the Inspector General of the National Aeronautics and Space Administration shall update any relevant websites to
include information about this subsection and the amendments made by this subsection.

(5) DEFINITIONS.—In this subsection:

(A) COVERED CONTRACTOR.—The term “covered contractor” means a contractor, grantee, or personal services contractor of the Department of Defense or the National Aeronautics and Space Administration.

(B) COVERED EMPLOYEE.—The term “covered employee” means an employee of a covered contractor or a subcontractor or subgrantee of a covered contractor.

(b) OTHER GOVERNMENT CONTRACTORS.—

(1) IN GENERAL.—Section 4712(a) of title 41, United States Code, is amended by adding at the end the following new paragraph:

“(4) EFFECT OF A NONDISCLOSURE POLICY, FORM, OR AGREEMENT.—This section applies to any disclosure made by an employee of a contractor, subcontractor, grantee, or subgrantee or personal services contractor whether or not such employee has signed, or is subject to, a nondisclosure policy, form, or agreement with such contractor, subcontractor, grantee, or subgrantee or personal services contractor.”.
(2) Notification of employees.—Section 4712(d) of title 41, United States Code, is amended—

(A) by striking “inform” and inserting “submit to the applicable head of each executive agency a certification stating that such contractor or subcontractor has informed”; and

(B) by inserting “(including the applicability of such rights and remedies if such an employee has signed, or is subject to, a nondisclosure policy, form, or agreement)” after “under this section”.

(3) Application.—With respect to a nondisclosure policy, form, or agreement between a covered contractor and a covered employee that was in effect before the effective date of this Act, paragraph (4) of section 4712(a) of title 41, United States Code, as added by paragraph (1), shall apply if a covered contractor has provided notice to a covered employee of the rights and remedies of the covered employee relating to a nondisclosure policy, form, or agreement under section 4712(d) of such title, as amended by paragraph (2).

(4) Website update.—Each Inspector General (as defined in section 4712(g) of title 41,
United States Code) shall update any relevant websites to include information about this subsection and the amendments made by this subsection.

(5) DEFINITIONS.—In this subsection:

(A) COVERED CONTRACTOR.—The term “covered contractor” means a contractor, grantee, or personal services contractor for a Federal contract or grant (as defined for purposes of division C of title 41).

(B) COVERED EMPLOYEE.—The term “covered employee” means an employee of a covered contractor or a subcontractor or subgrantee of a covered contractor.

(c) NOTIFICATION AND REMEDIES.—

(1) NOTIFICATION.—A covered contractor shall inform the contracting officer responsible for any contracts of such covered contractor—

(A) if a person engaged in the performance of any such contract has been subjected to a reprisal prohibited by section 2409(a) of title 10, United States Code, or section 4712(a) of title 41, United States Code, where such reprisal has been substantiated;

(B) any investigation of a complaint relating to any such contract conducted by an In-
spector General pursuant to section 2409(b) of

title 10, United States Code, or section 4712(b)
of title 41, United States Code; and

(C) any action taken by a covered con-
tractor or a covered employee for any such con-
tract to address a substantiated reprisal de-
dcribed in subparagraph (A).

(2) REMEDIES.—In addition to other remedies
available, if a covered contractor fails to comply with
the requirements of paragraph (1), the relevant head
of a Federal agency may—

(A) require the covered contractor to pro-
hibit a covered employee from performing a
contract if such covered employee has violated
section 2409(a) of title 10, United States Code,
or section 4712(a) of title 41, United States
Code;

(B) require the covered contractor to ter-
minate a subcontract if the subcontractor for
such subcontract has violated such sections;

(C) suspend payments to a covered con-
tractor until such covered contractor has taken
appropriate remedial action.

(3) DEFINITIONS.—In this subsection:
(A) COVERED CONTRACTOR.—The term “covered contractor” means—

(i) with respect to a contract of the Department of Defense or the National Aeronautics and Space Administration, a contractor, grantee, or personal services contractor; and

(ii) with respect to a Federal contract or grant (as defined for purposes of division C of title 41), a contractor, grantee, or personal services contractor for such a Federal contract or grant.

(B) COVERED EMPLOYEE.—The term “covered employee” means an employee of a covered contractor or a subcontractor or subgrantee of a covered contractor.

(d) TRAINING.—The Administrator of the Office of Federal Procurement Policy shall update any required training for Federal employees responsible for contract oversight relating to—

(1) contracting certification requirements;

(2) processes for receiving a complaint from a person alleging discrimination as a reprisal for disclosing information under section 2409(a) of title
10, United States Code, or section 4712(a) of title 41, United States Code; and

(3) prohibitions on contracting with entities that require confidentiality agreements.

SEC. 814. COMPETITION REQUIREMENTS FOR PURCHASES FROM FEDERAL PRISON INDUSTRIES.

(a) COMPETITION REQUIREMENTS FOR PURCHASES FROM FEDERAL PRISON INDUSTRIES.—Subsections (a) and (b) of section 2410n of title 10, United States Code, are amended to read as follows:

“(a) MARKET RESEARCH.—Before purchasing a product listed in the latest edition of the Federal Prison Industries catalog published under section 4124(d) of title 18, the Secretary of Defense shall conduct market research to determine whether such product—

“(1) is comparable to products available from the private sector; and

“(2) best meets the needs of the Department of Defense in terms of price, quality, and time of delivery.

“(b) COMPETITION REQUIREMENT.—If the Secretary determines that a Federal Prison Industries product is not comparable to products available from the private sector and does not best meet the needs of the Department of Defense in terms of price, quality, or time of delivery, the
Secretary shall use competitive procedures or make an individual purchase under a multiple award contract for the procurement of the product. In conducting such a competition or making such a purchase, the Secretary shall consider a timely offer from Federal Prison Industries.”

(b) Effective Date.—The amendment made by subsection (a) shall take effect 60 days after the date of the enactment of this Act.

SEC. 815. DISCLOSURE OF BENEFICIAL OWNERS IN DATABASE FOR FEDERAL AGENCY CONTRACT AND GRANT OFFICERS.

Section 2313(d)(3) of title 41, United States Code, is amended by inserting “, and an identification of any beneficial owner of such corporation,” after “to the corporation”.

SEC. 816. INCLUSION OF OPTICAL TRANSMISSION COMPONENTS IN THE ANALYTICAL FRAMEWORK FOR SUPPLY CHAIN RISKS.

Section 2509(b)(2)(A)(ii) of title 10, United States Code, is amended by striking “(other than optical transmission components)”.

SEC. 817. AMENDMENT TO DEFINITION OF QUALIFIED APPRENTICE.

Section 2870(d) of title 10, United States Code, is amended—
(1) in paragraph (1), by inserting “or” at the end;

(2) in paragraph (2), by striking “; or” at the end and inserting a period; and

(3) by striking paragraph (3).

SEC. 818. CONTRACT CLOSEOUT AUTHORITY FOR SERVICES CONTRACTS.

Section 836 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 2302 note) is amend—

(1) by amending subsection (b)(1) to read as follows:

“(1) was entered into—

“(A) with respect to a contract or group of contracts for services, on a date that is the later of—

“(i) at least 7 fiscal years before the current fiscal year; and

“(ii) the number of years applicable to the contract or group of contracts in subpart 4.7 of the Federal Acquisition Regulation (as in effect on April 1, 2020);

“(B) with respect to a contract or group of contracts not described in subparagraph (A), on
a date that is at least 17 fiscal years before the
current fiscal year;”;
(2) by redesignating subsections (f) and (g) as
subsections (g) and (h), respectively; and
(3) by inserting after subsection (e) the fol-
lowing new subsection:
“(f) O V E R S I G H T.—The Secretary of Defense, acting
through the Director of the Defense Contract Manage-
ment Agency, shall establish and maintain a centralized
capability with necessary expertise and resources to pro-
vide oversight of the closeout of a contract or group of
contracts covered by this section.”.

SEC. 819. PLAN TO IMPROVE DEPARTMENT-WIDE MANAGE-
MENT OF INVESTMENTS IN WEAPON SYS-
TEMS.
(a) P ORTFOLIO M ANAGEMENT P LAN.—The Sec-
retary of Defense shall direct the Under Secretary of De-
fense for Acquisition and Sustainment, in coordination
with the Chairman of the Joint Chiefs of Staff, and the
Director of Cost Assessment and Program Evaluation, to
develop a plan to identify, develop, and acquire databases,
analytical and financial tools, and workforce skills to im-
prove the Department of Defense-wide assessment, man-
age, and optimization of the investments in weapon
systems of the Department, including through consolidation of duplicate or similar weapon system programs.

(b) PLAN CONTENTS.—The plan developed under subsection (a) shall—

(1) describe the databases and analytical and financial tools in use by the Department of Defense that may be used to support the Department-wide assessment, management, and optimization of the investments in weapon systems of the Department;

(2) determine the database and analytical and financial tool requirements that must be met, and the workforce skills necessary, for more effective Department-wide reviews, analyses, and management by the Secretary of the investments in weapon systems of the Department;

(3) identify the skills described in paragraph (2) that are possessed by the workforce of the Department;

(4) identify the databases and analytical and financial tools to be modified, developed, or acquired to improve the Department-wide reviews, analyses, and management of the investments in weapon systems of the Department; and

(5) set forth a timeline for implementing the plan, including a timeline for the modification, devel-
opment, and acquisition of each database and ana-
lytical and financial tool identified under paragraph
(4).

c) Submission to Congress.—

(1) In general.—Not later than 180 days
after the date of the enactment of this Act, the Sec-
retary of Defense shall submit to Congress the plan
developed under subsection (a).

(2) Form.—The plan submitted under para-
graph (1) shall be in an unclassified form but may
contain a classified annex.

Subtitle C—Industrial Base
Matters

SEC. 821. QUARTERLY NATIONAL TECHNOLOGY AND IN-
DUSTRIAL BASE BRIEFINGS.

(a) In general.—Section 2504 of title 10, United
States Code, is amended—

(1) by striking “The Secretary” and inserting
the following:

“(a) Annual Report.—The Secretary”; and

(2) by adding at the end the following new sub-
section:

“(b) Quarterly Briefings.—(1) The Secretary of
Defense shall ensure that the congressional defense com-
mittees receive quarterly briefings on the progress of the
Department of Defense to address the prioritized list of
gaps or vulnerabilities in the national technology and in-
dustrial base described in subsection (a)(3)(B) as follows:

“(A) One quarterly briefing per year shall be
provided by the Secretary of the Army.

“(B) One quarterly briefing per year shall be
provided by the Secretary of the Navy.

“(C) One quarterly briefing per year shall be
provided by the Secretary of the Air Force.

“(D) One quarterly briefing per year shall be
provided by all appropriate heads of the Defense
Agencies identified under subsection (a)(3)(B)(ii).

“(2) Each briefing under paragraph (1) shall include
an update of the progress of addressing such gaps or
vulnerabilities by the Secretary concerned or the appro-
priate head of a Defense Agency, including an update
on—

“(A) actions taken to address such gaps or
vulnerabilities;

“(B) the mitigation strategies necessary to ad-
dress such gaps or vulnerabilities; and

“(C) the proposed timeline for action to address
such gaps or vulnerabilities.”.

(b) CONFORMING AND CLERICAL AMENDMENTS.—
(1) **Heading Amendment.**—The heading of section 2504 of such title is amended to read as follows:

“§ 2504. National technology and industrial base: annual report and quarterly briefings”.

(2) **Clerical Amendment.**—The table of sections for subchapter II of chapter 148 of such title is amended by striking the item relating to section 2504 and inserting the following new item:

“2504. National technology and industrial base: annual report and quarterly briefing.”.

**SEC. 822. EXPANSION ON THE PROHIBITION ON ACQUIRING CERTAIN METAL PRODUCTS.**

(a) **In General.**—Section 2533c of title 10, United States Code, is amended—

(1) in subsection (a)(1), by striking “material melted” and inserting “material mined, refined, separated, melted,”; and

(2) in subsection (c)(3)(A)(i), by striking “tungsten” and inserting “covered material”.

(b) **Effective Date.**—The amendments made by subsection (a) shall take effect on the date that is three years after the date of the enactment of this Act.
SEC. 823. REQUIREMENT THAT CERTAIN SHIP COMPONENTS BE MANUFACTURED IN THE NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.

(a) Technical Amendment.—The second subsection (k) of section 2534 of title 10, United States Code (relating to Implementation of Auxiliary Ship Component Limitation), is redesignated as subsection (l).

(b) Components for Auxiliary Ships.—Section 2534(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(6) Components for auxiliary ships.—Subject to subsection (l), the following components:

“(A) Large medium-speed diesel engines.

“(B) Auxiliary equipment, including pumps, for all shipboard services.

“(C) Propulsion system components, including engines, reduction gears, and propellers.

“(D) Shipboard cranes.

“(E) Spreaders for shipboard cranes.”.

(c) Implementation.—Subsection (l) of section 2534 of title 10, United States Code, as redesignated by subsection (a), is amended—

(1) by redesignating the second sentence to appear as flush text at the end;
(2) by striking “auxiliary ship after the date” and inserting the following: “auxiliary ship—

“(1) with respect to large medium-speed diesel engines described under subparagraph (A) of such subsection, after the date”;

(3) in paragraph (1) (as so designated), by striking “Navy.” and inserting “Navy; and”; and

(4) by inserting after paragraph (1) (as so designated) the following new paragraph:

“(2) with respect to components listed in subparagraphs (B) through (E) of such subsection, after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2021 using funds available for National Defense Sealift Fund programs or Shipbuilding and Conversion, Navy.”.

SEC. 824. PREFERENCE FOR SOURCING RARE EARTH MATERIALS FROM THE NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.

The Secretary of Defense shall, to the maximum extent practicable, acquire materials that are determined to be strategic and critical materials required to meet the defense, industrial, and essential civilian needs of the United States in the following order of preference:

(1) From sources located within the United States.
(2) From sources located within the national technology and industrial base (as defined in section 2500 of title 10, United States Code).

(3) From other sources as appropriate.

SEC. 825. ENHANCED DOMESTIC CONTENT REQUIREMENT FOR MAJOR DEFENSE ACQUISITION PROGRAMS.

(a) ASSESSMENT REQUIRED.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report assessing the domestic source content of any procurement carried out in connection with major defense acquisition programs.

(2) INFORMATION REPOSITORY.—The Secretary of Defense shall establish an information repository for the collection and analysis of information related to domestic source content that can be used for continuous data analysis and program management activities.

(b) ENHANCED DOMESTIC CONTENT REQUIREMENT.—

(1) IN GENERAL.—For purposes of chapter 83 of title 41, United States Code, manufactured articles, materials, or supplies procured in connection
with a major defense acquisition program shall be deemed to be manufactured substantially all from articles, materials, or supplies mined, produced, or manufactured in the United States, if such component articles, materials, or supplies—

(A) not later than October 1, 2021, comprise 75 percent of the manufactured articles, materials, or supplies;

(B) not later than October 1, 2022, comprise 80 percent of the manufactured articles, materials, or supplies;

(C) not later than October 1, 2023, comprise 85 percent of the manufactured articles, materials, or supplies;

(D) not later than October 1, 2024, comprise 90 percent of the manufactured articles, materials, or supplies;

(E) not later than October 1, 2025, comprise 95 percent of the manufactured articles, materials, or supplies; and

(F) not later than October 1, 2026, comprise 100 percent of the manufactured articles, materials, or supplies.

(2) WAIVER.—Before Milestone A approval (as defined in section 2366a(d) of title 10, United
States Code) is granted for a major defense acquisition program, the Secretary of Defense shall determine whether or not to grant a waiver of the requirements of paragraph (1).

(3) Effective date.—The domestic content requirement under paragraph (1) applies to contracts entered into on or after October 1, 2021.

(c) Major defense acquisition program defined.—In this section, the term “major defense acquisition program” has the meaning given in section 2430 of title 10, United States Code.

SEC. 826. ADDITIONAL REQUIREMENTS PERTAINING TO PRINTED CIRCUIT BOARDS.

(a) Purchases.—Beginning in fiscal year 2023, the Secretary of Defense shall require that any contractor or subcontractor that provides covered printed circuit boards for use by the Department of Defense to certify that, of the total value of the covered printed circuit boards provided by such contractor or subcontractor pursuant to a contract with the Department of Defense, not less than the percentages set forth in subsection (b) were manufactured and assembled within a covered country.

(b) Implementation.—In making a certification under subsection (a), a contractor or subcontractor shall use the following percentages:
(1) During fiscal years 2023 through 2027, the greater of—
   (A) 50 percent; or
   (B) 75 percent, if the Secretary of Defense has determined that suppliers in covered countries are capable of supplying 75 percent of Department of Defense requirements for printed circuit boards.

(2) During fiscal years 2028 through 2032, the greater of—
   (A) 75 percent; or
   (B) 100 percent, if the Secretary of Defense has determined that suppliers in covered countries are capable of supplying 100 percent of Department of Defense requirements for printed circuit boards.

(3) Beginning in fiscal year 2033, 100 percent.

(c) REMEDIATION.—

   (1) In general.—In the event that a contractor or subcontractor is unable to make the certification required under subsection (a), the Secretary may accept covered printed circuit boards from such contractor or subcontractor for up to one year while requiring the contractor to complete a remediation plan. Such a plan shall be submitted to
the congressional defense committees and shall re-
quire the contractor or subcontractor that failed to
make the certification required under subsection (a)
to—

(A) audit its supply chain to identify any
areas of security vulnerability and noncompli-
ce with section 224 of the National Defense
Authorization Act for Fiscal Year 2020 (Public
Law 116–92); and

(B) meet the requirements of subsection
(a) within one year after the initial missed cer-
tification deadline.

(2) RESTRICTION.—No contractor or subcon-
tractor that has supplied covered printed circuit
boards while under a remediation plan shall be eligi-
ble to enter into another remediation plan under
subsection (c) for a period of five years.

(d) WAIVER.—The Secretary of Defense may waive
the requirement under subsection (a) with respect to a
contractor or subcontractor if the Secretary determines
that—

(1) there are no significant national security
concerns regarding counterfeiting, quality, or una-
thorized access created by accepting covered printed
circuit boards under such waiver; and
(2) the contractor is otherwise in compliance with all relevant cybersecurity provisions relating to members of the defense industrial base, including section 224 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92).

(e) AVAILABILITY EXCEPTION.—Subsection (a) shall not apply to the extent that the Secretary of Defense or the Secretary of the military department concerned determines that covered printed circuit boards of satisfactory quality and sufficient quantity, in the required form, cannot be procured as and when needed from covered countries.

(f) DEFINITIONS.—In this section:

(1) COVERED COUNTRY.—The term “covered country” means—

(A) the United States; or

(B) a foreign country whose government has a memorandum of understanding or agreement with the United States that—

(i) where applicable, complies with the requirements of section 36 of the Arms Export Control Act (22 U.S.C. 2776) and with section 2457 of title 10, United States Code; and

(ii) either—
(I) requires the United States to purchase supplies from foreign sources for the purposes of offsetting sales made the by United States Government or United States firms under approved programs serving defense requirements; or

(II) under which the United States and such government agree to remove barriers to purchase supplies produced in such foreign country or services performed by sources of such foreign country.

(2) COVERED PRINTED CIRCUIT BOARD.—

(A) IN GENERAL.—The term “covered printed circuit board” means any printed circuit board that is—

(i) a product that is not a commercial product (as defined in section 103 of title 41, United States Code); or

(ii) a commercial product (as defined in section 103 of title 41, United States Code), other than a commercially available off-the-shelf item (as defined in section
104 of title 41, United States Code) not
described in subparagraph (B).

(B) **Commercially available off-the-shelf items described.**—The commercially
available off-the-shelf items (as defined in section 104 of title 41, United States Code) de-
scribed in this subparagraph are such items that are acquired under a contract with an
award value that is greater than the micro-pur-
chase threshold under section 2338 of title 10,
United States Code, for use as an integral com-
ponent in a system designed for—

(i) telecommunications, including data
communications and fifth-generation cel-
lular communications;

(ii) data storage;

(iii) medical applications;

(iv) networking;

(v) computing;

(vi) radar;

(vii) munitions; or

(viii) any other system that the Sec-
retary of Defense determines should be
covered under this section.
(3) SUBCONTRACTOR.—The term “subcontractor” includes subcontractors at any tier.

SEC. 827. REPORT ON USE OF DOMESTIC NONAVAILABILITY DETERMINATIONS.

Not later than September 30, 2021, and annually thereafter, the Secretary of Defense shall submit a report to congressional defense committees—

(1) describing in detail the use of any waiver or exception by the Department of Defense to the requirements of chapter 83 of title 41, United States Code, or section 2533a of title 10, United States Code, relating to domestic nonavailability determinations;

(2) specifying the type of waiver or exception used; and

(3) providing an assessment of the impact on the use of such waivers or exceptions due to the COVID–19 pandemic and associated challenges with investments in domestic sources.

SEC. 828. SENSE OF CONGRESS ON THE PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT.

(a) FINDINGS.—Congress finds the following:

(1) Prohibiting the use of telecommunications and video surveillance products or services from cer-
tain Chinese entities within the Federal Government’s supply chain is essential to our national security.

(2) Section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1917; 41 U.S.C. note prec. 3901) restricts Federal agencies from procuring, contracting with entities that use, or funding the purchase of certain telecommunications products of Chinese companies determined by Congress to pose a substantial threat to the security of our communication infrastructure.

(3) Specifically, section 889(a)(1)(B) of such Act, effective August 13, 2020, will prohibit Federal agencies from entering into, extending, or renewing a contract with an entity that uses covered telecommunications and video surveillance equipment or services from designated Chinese companies, including Huawei and ZTE, in their supply chains.

(4) As of July 1, 2020, the Federal Acquisition Regulatory Council has yet to release a draft rule for public comment on the implementation of the prohibitions described in section 889(a)(1)(B) of such Act, leaving Federal agencies and contractors that provide equipment and services to the Federal
Government without implementation guidance necessary to adequately plan for or comply with the prohibitions.

(5) Belated, and then hurried, implementation of this critical prohibition puts at risk the Federal Government’s ability to acquire essential goods and services and increases vulnerability in the supply chain through inconsistent implementation.

(6) A senior Department of Defense leader testified on June 10, 2020, that, “I am very concerned about being able to implement [the prohibition] in August, as well as totally comply within two years . . . I believe we need more time”.

(7) Subsequent to the enactment of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232), Congress established the Federal Acquisition Security Council (FASC)—comprised of senior officials from the Office of Management and Budget, General Services Administration, Department of Defense, Department of Homeland Security and the intelligence community—to streamline the Federal Government’s supply chain risk management efforts and develop criteria and processes for supply chain information sharing among executive agencies.
(b) Sense of Congress.—It is the sense of Congress that—

(1) successful implementation of the prohibition on using or procuring certain telecommunications and video surveillance equipment under section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 1917; 41 U.S.C. note prec. 3901) is critical to protecting the supply chain of the Federal Government, and Federal agencies should draw upon the expert resources available (such as the Federal Acquisition Security Council established under subchapter III of chapter 13 of title 41, United States Code) to ensure implementation of such prohibition is done in a comprehensive and deliberative manner; and

(2) the Federal Acquisition Regulatory Council shall ensure successful implementation of such prohibition by providing sufficient time for public comment and review of any related rulemaking.
Subtitle D—Small Business Matters

SEC. 831. TRANSFER OF VERIFICATION OF SMALL BUSINESS CONCERNS OWNED AND CONTROLLED BY VETERANS OR SERVICE-DISABLED VETERANS TO THE SMALL BUSINESS ADMINISTRATION.

(a) TRANSFER DATE.—For purposes of this section, the term “transfer date” means the date that is 2 years after the date of enactment of this section, except that such date may be extended an unlimited number of times by a period of not more than 6 months if the Administrator of the Small Business Administration and the Secretary of Veterans Affairs jointly issue a notice to Congress and the Law Revision Counsel of the House of Representatives containing—

(1) a certification that such extension is necessary;

(2) the rationale for and the length of such extension; and

(3) a plan to comply with the requirements of this section within the timeframe of the extension.

(b) AMENDMENT TO AND TRANSFER OF VETERAN-OWNED AND SERVICE-DISABLED VETERAN-OWNED BUSINESS DATABASE.—
(1) Amendment of Veteran-owned and Service-disabled Veteran-owned Business Database.—Effective on the transfer date, section 8127 of title 38, United States Code, is amended—

(A) in subsection (e)—

(i) by striking “the Secretary” and inserting “the Administrator”; and

(ii) by striking “subsection (f)” and inserting “section 36 of the Small Business Act”;

(B) in subsection (f)—

(i) by striking “the Secretary” each place such term appears, other than in the last place such term appears under paragraph (2)(A), and inserting “the Administrator”;

(ii) in paragraph (1), by striking “small business concerns owned and controlled by veterans with service-connected disabilities” each place such term appears and inserting “small business concerns owned and controlled by service-disabled veterans”;

(iii) in paragraph (2)—
(I) in subparagraph (A), by striking “to access” and inserting “to obtain from the Secretary of Veterans Affairs”; and

(II) by striking subparagraph (B) and inserting the following:

“(B) For purposes of this subsection—

“(i) the Secretary of Veterans Affairs shall—

“(I) verify an individual’s status as a veteran or a service-disabled veteran; and

“(II) establish a system to permit the Administrator to access, but not alter, such verification; and

“(ii) the Administrator shall verify—

“(I) the status of a business concern as a small business concern; and

“(II) the ownership and control of such business concern.

“(C) The Administrator may not certify a concern under subsection (b) or section 36A if the Secretary of Veterans Affairs cannot provide the verification described under subparagraph (B)(i)(I).”;

(iv) by striking paragraphs (4) and (7);
(v) by redesignating paragraphs (5) and (6) as paragraphs (4) and (5), respectively, and redesignating paragraph (8) as paragraph (6);

(vi) in paragraph (4), as so redesignated, by striking “The Secretary” and inserting “The Administrator”; and

(vii) in paragraph (6), as so redesignated—

(I) in subparagraph (A)—

(aa) by striking “verify the status of the concern as a small business concern or the ownership or control of the concern” and inserting “certify the status of the concern as a small business concern owned and controlled by veterans (under section 36A) or a small business concern owned and controlled by service-disabled veterans (under section 36(g))”; and

(bb) by striking “verification” and inserting “certification”;
(II) in subparagraph (B)—

(aa) in clause (i), by striking “small business concern owned and controlled by veterans with service-connected disabilities” and inserting “small business concern owned and controlled by service-disabled veterans”; and

(bb) in clause (ii)—

(AA) by amending subclause (I) to read as follows:

“(I) the Secretary of Veterans Affairs or the Administrator; or”; and

(BB) in subclause (II), by striking “the contracting officer of the Department” and inserting “the applicable contracting officer”; and

(III) by striking subparagraph (C);

(C) by redesignating subsection (k) (relating to definitions) as subsection (l);

(D) by inserting after subsection (j) (relating to annual reports) the following:
“(k) Annual Transfer for Certification Costs.—For each fiscal year, the Secretary of Veterans Affairs shall reimburse the Administrator in an amount necessary to cover any cost incurred by the Administrator for certifying small business concerns owned and controlled by veterans that do not qualify as small business concerns owned and controlled by service-disabled veterans for the Secretary for purposes of this section and section 8128 of this title. The Administrator is authorized to accept such reimbursement. The amount of any such reimbursement shall be determined jointly by the Secretary and the Administrator and shall be provided from fees collected by the Secretary under multiple-award schedule contracts. Any disagreement about the amount shall be resolved by the Director of the Office of Management and Budget.”; and

(E) subsection (l) (relating to definitions), as so redesignated, by adding at the end the following:

“(4) The term Administrator means the Administrator of the Small Business Administration.”.

(2) Transfer of Requirements Relating to Database to the Small Business Act.—Effective on the transfer date, subsection (f) of section 8127 of title 38, United States Code (as amended by
paragraph (1)), is transferred to section 36 of the Small Business Act (15 U.S.C. 657f), inserted so as to appear after subsection (e).

(3) **CONFORMING AMENDMENTS.**—The following amendments shall take effect on the transfer date:


(B) **TITLE 38.**—Section 8128 of title 38, United States Code, is amended by striking “section 8127(f) of this title” and inserting “section 36 of the Small Business Act”.

(e) **ADDITIONAL REQUIREMENTS FOR DATABASE.**—

(1) **ADMINISTRATION ACCESS TO DATABASE BEFORE THE TRANSFER DATE.**—During the period between the date of the enactment of this section and the transfer date, the Secretary of Veterans Affairs shall provide the Administrator of the Small Business Administration with access to the contents of the database described under section 8127(f) of title 38, United States Code.
(2) RULE OF CONSTRUCTION.—Nothing in this section or the amendments made by this section may be construed—

(A) as prohibiting the Administrator of the Small Business Administration from combining the contents of the database described under section 8127(f) of title 38, United States Code, with other databases maintained by the Administration; or

(B) as requiring the Administrator to use any system or technology related to the database described under section 8127(f) of title 38, United States Code, on or after the transfer date to comply with the requirement to maintain a database under subsection (f) of section 36 of the Small Business Act (as transferred pursuant to subsection (b)(2) of this section).


(d) PROCUREMENT PROGRAM FOR SMALL BUSINESS CONCERNS OWNED AND CONTROLLED BY SERVICE-DISABLED VETERANS.—
(1) PROCUREMENT PROGRAM FOR SMALL BUSINESS CONCERNS OWNED AND CONTROLLED BY SERVICE-DISABLED VETERANS.—Section 36 of the Small Business Act (15 U.S.C. 657f) is amended—

(A) by striking subsections (d) and (e);

(B) by redesignating subsections (a), (b), and (c) as subsections (c), (d), and (e) respectively;

(C) by inserting before subsection (e), as so redesignated, the following:

“(a) CONTRACTING OFFICER DEFINED.—For purposes of this section, the term ‘contracting officer’ has the meaning given such term in section 2101 of title 41, United States Code.

“(b) CERTIFICATION OF SMALL BUSINESS CONCERNS OWNED AND CONTROLLED BY SERVICE-DISABLED VETERANS.—With respect to a procurement program or preference established under this Act that applies to prime contractors, the Administrator shall—

“(1) certify the status of the concern as a ‘small business concern owned and controlled by service-disabled veterans’; and

“(2) require the periodic recertification of such status.”;
(D) in subsection (d), as so redesignated, by striking “and that the award can be made at a fair market price” and inserting “, that the award can be made at a fair market price, and if each concern is certified by the Administrator as a small business concern owned and controlled by service-disabled veterans”; and

(E) by adding at the end the following:

“(g) Certification Requirement.—Notwithstanding subsection (e), a contracting officer may only award a sole source contract to a small business concern owned and controlled by service-disabled veterans or a contract on the basis of competition restricted to small business concerns owned and controlled by service-disabled veterans if such a concern is certified by the Administrator as a small business concern owned and controlled by service-disabled veterans.

“(h) Enforcement; Penalties.—

“(1) Verification of Eligibility.—In carrying out this section, the Administrator shall establish procedures relating to—

“(A) the filing, investigation, and disposition by the Administration of any challenge to the eligibility of a small business concern to receive assistance under this section (including a
challenge, filed by an interested party, relating to the veracity of a certification made or information provided to the Administration by a small business concern under subsection (b)); and

“(B) verification by the Administrator of the accuracy of any certification made or information provided to the Administration by a small business concern under subsection (b).

“(2) EXAMINATIONS.—

“(A) EXAMINATION OF APPLICANTS.—The procedures established under paragraph (1) shall provide for a program of examinations by the Administrator of any small business concern making a certification or providing information to the Administrator under subsection (b), to determine the veracity of any statements or information provided as part of such certification or otherwise provided under subsection (b).

“(B) EXAMINATION OF CERTIFIED CONCERNS.—The procedures established under paragraph (1) shall provide for the examination of risk-based samples of small business concerns certified under subsection (b), or of any small business concern that the Administrator
believes poses a particular risk or with respect
to which the Administrator receives specific and
credible information alleging that the small
business concern no longer meets eligibility re-
quirements to be certified as a small business
concern owned and controlled by service-dis-
abled veterans.

“(3) P ENALTIES.—In addition to the penalties
described in section 16(d), any small business con-
cern that is determined by the Administrator to have
misrepresented the status of that concern as a small
business concern owned and controlled by service-
disabled veterans for purposes of subsection (b),
shall be subject to—

“(A) section 1001 of title 18, United
States Code;

“(B) sections 3729 through 3733 of title
31, United States Code; and

“(C) section 8127(g) of title 38, United
States Code.

“(i) P ROVISION OF DATA.—Upon the request of the
Administrator, the head of any Federal department or
agency shall promptly provide to the Administrator such
information as the Administrator determines to be nec-
essary to carry out subsection (b) or to be able to certify
the status of the concern as a small business concern owned and controlled by veterans under section 36A.”.

(2) Penalties for Misrepresentation.—

Section 16 of the Small Business Act (15 U.S.C. 645) is amended—

(A) in subsection (d)(1)—

(i) by striking “, a” and inserting “, a ‘small business concern owned and controlled by service-disabled veterans’, a ‘small business concern owned and controlled by veterans’, a”; and

(ii) in paragraph (A), by striking “9, 15, or 31” and inserting “8, 9, 15, 31, 36, or 36A”; and

(B) in subsection (e), by striking “, a” and inserting “, a ‘small business concern owned and controlled by service-disabled veterans’, a ‘small business concern owned and controlled by veterans’, a”.

(e) Certification for Small Business Concerns Owned and Controlled by Veterans.—The Small Business Act (15 U.S.C. 631 et seq.) is amended by inserting after section 36 the following new section:
SEC. 36A. CERTIFICATION OF SMALL BUSINESS CONCERNS OWNED AND CONTROLLED BY VETERANS.

(a) In General.—With respect to the program established under section 8127 of title 38, United States Code, the Administrator shall—

“(1) certify the status of the concern as a ‘small business concern owned and controlled by veterans’; and

“(2) require the periodic recertification of such status.

(b) Enforcement; Penalties.—

“(1) Verification of Eligibility.—In carrying out this section, the Administrator shall establish procedures relating to—

“(A) the filing, investigation, and disposition by the Administration of any challenge to the eligibility of a small business concern to receive assistance under this section (including a challenge, filed by an interested party, relating to the veracity of a certification made or information provided to the Administration by a small business concern under subsection (a)); and

“(B) verification by the Administrator of the accuracy of any certification made or infor-
mation provided to the Administration by a 
small business concern under subsection (a).

“(2) **EXAMINATION OF APPLICANTS.**—The pro-
cedures established under paragraph (1) shall pro-
vide for a program of examinations by the Adminis-
trator of any small business concern making a cer-
tification or providing information to the Adminis-
trator under subsection (a), to determine the verac-
ity of any statements or information provided as 
part of such certification or otherwise provided 
under subsection (a).

“(3) **PENALTIES.**—In addition to the penalties 
described in section 16(d), any small business con-
cern that is determined by the Administrator to have 
 misrepresented the status of that concern as a small 
business concern owned and controlled by veterans 
for purposes of subsection (a), shall be subject to—

“(A) section 1001 of title 18, United 
States Code;

“(B) sections 3729 through 3733 of title 
31, United States Code; and

“(C) section 8127(g) of title 38, United 
States Code.”.
(f) **Status of Self-certified Small Business Concerns Owned and Controlled by Service-disabled Veterans.**—

(1) **In General.**—Notwithstanding any other provision of law, any small business concern that self-certified as a small business concern owned and controlled by service-disabled veterans shall—

(A) if the concern files a certification application with the Administrator of the Small Business Administration before the end of the 1-year period beginning on the transfer date, maintain such self-certification until the Administrator makes a determination with respect to such certification; and

(B) if the concern does not file such a certification application before the end of the 1-year period beginning on the transfer date, lose, at the end of such 1-year period, any self-certification of the concern as a small business concern owned and controlled by service-disabled veterans.

(2) **Non-applicability to Department of Veterans Affairs.**—Paragraph (1) shall not apply to participation in contracts (including subcontracts) with the Department of Veterans Affairs.
(3) Notice.—The Administrator shall notify any small business concern that self-certified as a small business concern owned and controlled by service-disabled veterans about the requirements of this section, including the transfer date and any extension of such transfer date made pursuant to subsection (a), and make such notice publicly available, on—

(A) the date of the enactment of this section; and

(B) the date on which an extension described under subsection (a) is approved.

(g) Transfer of the Center for Verification and Evaluation of the Department of Veterans Affairs to the Small Business Administration.—

(1) Abolishment.—The Center for Verification and Evaluation of the Department of Veterans Affairs defined under section 74.1 of title 38, Code of Federal Regulations, is abolished effective on the transfer date.

(2) Transfer of Functions.—All functions that, immediately before the effective date of this subsection, were functions of the Center for Verification and Evaluation shall—
(A) on the date of enactment of this section, be functions of both the Center for Verification and Evaluation and the Small Business Administration, except that the Small Business Administration shall not have any authority to carry out any verification functions of the Center for Verification and Evaluation; and

(B) on the transfer date, be functions of the Small Business Administration.

(3) **TRANSFER OF ASSETS.**—So much of the personnel, property, and records employed, used, held, available, or to be made available in connection with a function transferred under this subsection shall be available to the Small Business Administration at such time or times as the President directs for use in connection with the functions transferred.

(4) **REFERENCES.**—Any reference in any other Federal law, Executive order, rule, regulation, or delegation of authority, or any document of or pertaining to a function of the Center for Verification and Evaluation that is transferred under this section is deemed, after the transfer date, to refer to the Small Business Administration.

(h) **REPORT.**—Not later than the end of the 1-year period beginning on the date of the enactment of this sec-
tion and every 6 months thereafter until the transfer date, the Administrator of the Small Business Administration and Secretary of Veterans Affairs shall jointly issue a report to the Committees on Appropriations, Small Business, and Veterans’ Affairs of the House of Representatives and the Committees on Appropriations, Small Business and Entrepreneurship, and Veterans’ Affairs of the Senate on the planning for the transfer of functions and property required under this section and the amendments made by this section on the transfer date. Such report shall include—

(1) whether and how the verification database and operations of the Center for Verification and Evaluation of the Department of Veterans Affairs will be incorporated into the existing certification database of the Small Business Administration;

(2) projections for the numbers and timing, in terms of fiscal year, of—

(A) already verified concerns that will come up for recertification; and

(B) self-certified concerns that are expected to apply for certification;

(3) an explanation of how outreach to veteran service organizations, the service-disabled veteran-
owned and veteran-owned small business community, and other stakeholders will be conducted; and

(4) other pertinent information determined by the Administrator and the Secretary.

SEC. 832. EQUITABLE ADJUSTMENTS TO CERTAIN CONSTRUCTION CONTRACTS.

(a) IN GENERAL.—The Small Business Act (15 U.S.C. 631 et seq.) is amended by inserting after section 15 the following new section:

“SEC. 15A. EQUITABLE ADJUSTMENTS TO CONSTRUCTION CONTRACTS.

“(a) REQUEST FOR AN EQUITABLE ADJUSTMENT.—A small business concern performing a construction contract that was awarded by an agency may submit a request for an equitable adjustment to the contracting officer of such agency if the contracting officer directs a change in the work within the general scope of the contract without the agreement of the small business concern. Such request shall—

“(1) be timely made pursuant to the terms of the contract; and

“(2) comply with Federal regulations regarding equitable adjustments, including specifying additional costs resulting from such change in the work within the general scope of the contract.
“(b) AMOUNT.—Upon receipt of a request for equitable adjustment under subsection (a), the agency shall provide to the small business concern an interim partial payment in an amount that is at least 50 percent of the costs identified in the request for equitable adjustment under subsection (a)(2).

“(c) LIMITATION.—Any interim partial payment made under this section shall not be deemed to be an action to definitize the request for an equitable adjustment.

“(d) FLOW-DOWN OF INTERIM PARTIAL PAYMENT AMOUNTS.—A small business concern that requests an equitable adjustment under this section shall pay to a first tier subcontractor or supplier the portion of the interim partial payment received that is attributable to the increased costs of performance incurred by the first tier subcontractor or supplier due to the change in the work within the general scope of the contract. A subcontractor or supplier at any tier that receives a portion of an interim partial payment under this section shall pay its subcontractor or supplier the appropriate portion of such payment.”

(b) IMPLEMENTATION.—The Administrator of the Small Business Administration shall implement the requirements of this section not later than the first day of
the first full fiscal year beginning after the date of the
enactment of this Act.

SEC. 833. EXEMPTION OF CERTAIN CONTRACTS AWARDED
TO SMALL BUSINESS CONCERNS FROM CATEGORY
MANAGEMENT REQUIREMENTS.

(a) In General.—The Small Business Act is
amended—

(1) by redesignating section 49 as section 50;
and

(2) by inserting after section 48 the following
new section:

“SEC. 49. EXEMPTION OF CERTAIN CONTRACTS FROM CATEGORY
MANAGEMENT REQUIREMENTS.

“(a) In General.—A contract awarded under sec-
tion 8(a), 8(m), 31, or 32 that is classified as tier 0—

“(1) shall be exempt from the procedural re-
quirements of any Federal rule or guidance on cate-
genory management or successor strategies for con-
tract consolidation; and

“(2) may not be included when measuring the
attainment of any goal or benchmark established
under any Federal rule or guidance on category
management or successor strategies for contract
consolidation, unless the inclusion of such contract
aids in the achievement of such a goal or benchmark.

“(b) DEFINITIONS.—In this section:

“(1) CATEGORY MANAGEMENT.—The term ‘category management’ has the meaning given such term by the Director of the Office of Management and Budget.

“(2) TIER 0.—The term ‘tier 0’ has the meaning given such term by the Director of the Office of Management and Budget with respect to the Spend Under Management tiered maturity model, or any successor model.”.

(b) APPLICATION.—Section 49 of the Small Business Act, as added by subsection (a), shall apply with respect to contracts entered into on or after the date of the enactment of this Act.

(c) PLAN AND REPORT.—

(1) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Director of the Office of Management and Budget shall submit to Congress a report including a plan to increase the participation of small business concerns in agency-wide or Government-wide contracts (including best in class designations as defined in section 15(h)(4)(B)). Such plan shall include—
(A) strategies to increase the amount and frequency of opportunities for small business concerns to participate in agency-wide or Government-wide contracts;

(B) strategies to ease or eliminate requirements that impede such participation of small business concerns; and

(C) a specific goal for the number of small business concerns participating in agency-wide or Government-wide contracts and a timeline to achieve such goal.

(2) IMPLEMENTATION.—Not later than 60 days after the submission of the report required under paragraph (1), the Director of the Office of Management and Budget shall implement the plan contained in such report.

(d) RULEMAKING.—Not later than 90 days after the date of the enactment of this Act, the Federal Acquisition Regulation shall be revised to carry out this Act and the amendment made by this Act.

SEC. 834. REPORT ON ACCELERATED PAYMENTS TO CERTAIN SMALL BUSINESS CONCERNS.

(a) REPORT.—Not later than 3 months after the date of the enactment of this section, the head of each Federal agency shall submit to Congress a report on the timeliness
of payments made to a covered prime contractor. Such re-
port shall include—

(1) the date on which the Federal agency began
providing accelerated payments in accordance with
section 2307(a)(2) of title 10, United States Code,
or paragraphs (10) and (11) of section 3903(a) of
title 31, United States Code, as applicable, to a cov-
ered prime contractor;

(2) of contracts to which such sections apply,
the amount and percentage of covered contracts with
accelerated payment terms in accordance with such
sections; and

(3) whether and on what date the agency dis-
continued implementation of the Office of Manage-
ment and Budget Circular M–11–32 titled “Accel-
erating Payments to Small Businesses for Goods
and Services” (issued September 14, 2011).

(b) DEFINITIONS.—In this section:

(1) COVERED PRIME CONTRACTOR.—The term
“covered prime contractor” means—

(A) a prime contractor (as defined in sec-
tion 8701 of title 41) that is a small business
concern (as defined in section 3 of the Small
Business Act (15 U.S.C. 632)); and
(B) a prime contractor that subcontracts
with a small business concern.

(2) COVERED CONTRACT.—The term “covered
contract” means a contract entered into by a cov-
ered prime contractor—

(A) on or after August 13, 2018, with re-
spect to a contract entered into the head of an
agency (as defined in section 2302 of title 10,
United States Code); or

(B) on or after December 20, 2019, with
respect to a contract entered into with the head
of an agency (as defined in section 3901 of title
31, United States Code).

(3) FEDERAL AGENCY.—The term “Federal
agency” has the meaning given “agency” in section
551(a) of title 5, United States Code.

Subtitle E—Other Matters

SEC. 841. MODIFICATIONS TO SUPERVISION AND AWARD OF
CERTAIN CONTRACTS.

(a) SUPERVISION OF MILITARY CONSTRUCTION
PROJECTS.—Section 2851 of title 10, United States Code,
is amended—

(1) in subsection (c)(1)—
(A) by inserting “or appropriated” after “funds authorized” each place such term appears; and

(B) in subparagraph (E), by inserting “, Facilities Sustainment, Restoration, and Modernization (FSRM) project,” after “military construction project”; and

(2) in subsection (c)(2)—

(A) by inserting “, deadline for bid submissions,” after “solicitation date”;

(B) by inserting “(including the address of such recipient)” after “contract recipient”; and

(C) by adding at the end the following new subparagraphs:

“(H) Any subcontracting plan required under paragraph (4) or (5) of section 8(d) of the Small Business Act (15 U.S.C. 637(d)) for the project submitted by the contract recipient to the Secretary of Defense.

“(I) A detailed written statement describing and justifying any exception applied or waiver granted under—

“(i) chapter 83 of title 41;

“(ii) section 2533a of this title; or

“(iii) section 2533b of this title.”; and
(3) by adding at the end the following new paragraph:

“(4) The information required to be published on the Internet website under subsection (c) shall constitute a record for the purposes of Chapter 21, 29, 31, and 33 of title 44.”.

(b) REQUIREMENTS RELATING TO THE AWARD OF COVERED MILITARY CONSTRUCTION CONTRACTS.—

(1) REQUIREMENTS.—Subchapter III of chapter 169 of title 10, United States Code, is amended by inserting after section 2851 the following new section:

“§ 2851a. Requirements relating to the award of covered military construction contracts

“(a) Publication of certain information relating to covered military construction contracts.—

“(1) Contractor requirements.—A contractor that has been awarded a covered military construction contract shall—

“(A) make publicly available on a website of the General Services Administration or the Small Business Administration, as applicable, any solicitation under that covered military con-
struction contract for a subcontract of an estimated value of $250,000 or more; and

“(B) submit written notification of the award of the covered military construction contract, and of any subcontract awarded under the covered military construction contract, to the relevant agency of a covered State that enforces workers’ compensation or minimum wage laws in such covered State.

“(2) NOTICE.—Upon award of a covered military construction contract with an estimated value greater than or equal to $2,000,000, the Secretary concerned shall notify any applicable Member of Congress representing the covered State in which that covered military construction contract is to be performed of such award in a timely manner.

“(3) FEDERAL PROCUREMENT DATA SYSTEM.—The Secretary of Defense shall ensure that there is a clear and unique indication of any covered military construction contract with subcontracting work of an estimated value of $250,000 or more in the Federal Procurement Data System established pursuant to section 1122(a)(4) of title 41 (or any successor system).

“(b) USE OF LOCAL FIRMS AND INDIVIDUALS.—
“(1) IN GENERAL.—To the extent practicable, in awarding a covered military construction contract, the Secretary concerned shall give preference to those firms and individuals residing or doing business primarily in the same State as, or within a 60-mile radius of, the location of the work to be performed pursuant to the contract.

“(2) JUSTIFICATION REQUIRED.—The Secretary concerned shall prepare a written justification, and make such justification available on the Internet site required under section 2851 of this title, for the award of any covered military construction contract to a firm or individual that is not described under paragraph (1).

“(c) LICENSING.—A contractor and any subcontractors performing a covered military construction contract shall be licensed to perform the work under such contract in the State in which the work will be performed.

“(d) MONTHLY REPORT.—Not later than 10 days after the end of each month, the Secretary of Defense shall submit to the congressional defense committees a report identifying for that month the following:

“(1) Each covered military construction contract and each subcontract of a covered military con-

...
struction contract described in subsection (a)(1)(A) awarded during that month.

“(2) The location of the work to be performed pursuant to each covered military construction contract and subcontract identified pursuant to paragraph (1).

“(3) The prime contractor and any subcontractor performing each covered military construction contract and subcontract identified pursuant to paragraph (1).

“(4) The estimated value of each covered military construction contract and subcontract identified pursuant to paragraph (1).

“(e) EXCLUSION OF CLASSIFIED PROJECTS.—This section does not apply to a classified covered military construction project.

“(f) DEFINITIONS.—In this section:

“(1) COVERED MILITARY CONSTRUCTION CONTRACT.—The term ‘covered military construction contract’ means a contract for work on a military construction project, military family housing project, or Facilities Sustainment, Restoration, and Modernization (FSRM) project carried out in a covered State.
“(2) COVERED STATE.—The term ‘covered State’ means any of the several States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, or the Commonwealth of the Northern Mariana Islands.

“(3) MEMBER OF CONGRESS.—The term ‘Member of Congress’ has the meaning given the term in section 2106 of title 5.”

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter III of chapter 169 of title 10, United States Code, is amended by inserting after the item relating to section 2851 the following new item:

“2851a. Requirements relating to the award of covered military construction contracts.”.

(3) APPLICABILITY.—Section 2851a of title 10, United States Code, as added by paragraph (1), shall apply with respect to a covered military construction contract, as defined in such section, entered into on or after the date of the enactment of this Act.

d (c) SMALL BUSINESS CREDIT FOR LOCAL BUSINESSES.—Section 15 of the Small Business Act (15 U.S.C. 644) is amended by adding at the end the following new subsection—
“(y) SMALL BUSINESS CREDIT FOR LOCAL BUSINESSES.—

“(1) CREDIT FOR MEETING SUBCONTRACTING GOALS.—If a prime contractor awards a subcontract (at any tier) to a small business concern that has its principal office located in the same State as, or within a 60-mile radius of, the location of the work to be performed pursuant to the contract of the prime contractor, the value of the subcontract shall be doubled for purposes of determining compliance with the goals for procurement contracts under subsection (g)(1)(A) during such period.

“(2) REPORT.—Along with the report required under subsection (h)(1), the head of each Federal agency shall submit to the Administrator, and make publicly available on the scorecard described in section 868(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 933; 15 U.S.C. 644 note), an analysis of the number and dollar amount of subcontracts awarded pursuant to paragraph (1) for each fiscal year of the period described in such paragraph.”.
SEC. 842. AMENDMENTS TO SUBMISSIONS TO CONGRESS RELATING TO CERTAIN FOREIGN MILITARY SALES.

Section 887(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 22 U.S.C. 2761 note) is amended—

(1) by striking “the Secretary shall” each place it appears and inserting “the Secretary, in consultation with the Secretary of State, shall”;

(2) in paragraph (1)—

(A) by striking “December 31, 2021” and inserting “December 31, 2024”; and

(B) by striking “with a value” and all that follows through the “subsection (a)”; and

(3) in paragraph (2), by striking “December 31, 2021” and inserting “December 31, 2024”.

SEC. 843. REVISIONS TO REQUIREMENT TO USE FIRM FIXED-PRICE CONTRACTS FOR FOREIGN MILITARY SALES.

(a) In general.—Section 830 of the National Defense Authorization Act for Fiscal Year 2017 (22 U.S.C. 2762 note) is amended—

(1) in subsection (a), by inserting “and subject to subsection (e)” after “enactment of this Act”;

and
(2) by adding at the end the following new subsection:

“(e) APPLICABILITY.—The regulations prescribed pursuant to subsection (a) shall not apply to a foreign military sale for which the foreign country that is the counterparty to such foreign military sale has requested a modification to the defense service or defense article that is the subject of such foreign military sale that would require significant development work.”; and

(3) in subsection (c), by adding at the end the following new sentence: “The Secretary may not delegate the authority to exercise such a waiver below the level of the service acquisition executive (as defined in section 101(a)(10) of title 10, United States Code).”.

(b) IMPLEMENTATION.—The Secretary of Defense shall—

(1) not later than 120 days after the date of the enactment of this Act, issue guidance to carry out the amendments made by this section; and

(2) not later than February 1, 2021, revise the Department of Defense Supplement to the Federal Acquisition Regulation to carry out the amendments made by this section.
SEC. 844. SMALL BUSINESS INDUSTRIAL BASE RESILIENCY PROGRAM.

(a) Establishment.—The Assistant Secretary of Defense for Industrial Base Policy (established under section 902 of this Act) shall establish a program to be known as the “Small Business Industrial Base Resiliency Program” under which the Assistant Secretary shall enter into transactions to purchase or to make a commitment to purchase goods or services from small business concerns as described in subsection (b) to respond to the COVID–19 pandemic.

(b) Uses of Transactions.—A transaction entered into pursuant to the authority under this section shall—

(1) support the monitoring and assessment of small business concerns that enter into such a transaction;

(2) address critical issues in the industrial base relating to urgent operational needs in response to the COVID–19 pandemic;

(3) support efforts to create, maintain, protect, expand, or restore the industrial base in response to the COVID–19 pandemic; and

(4) as applicable, address supply chain vulnerabilities related to the COVID–19 pandemic for small business concerns that enter into such a transaction.
(c) **Duration.**—The term of a transaction entered into pursuant to the authority under this section shall be two years.

(d) **Liabilities.**—With respect to any transaction entered into pursuant to the authority under this section on or after the date of enactment of this Act, if such transaction imposes any contingent liability upon the United States, such liability shall be recorded as an obligation against amounts made available from the Research and Development, Defense-Wide, Pandemic Preparedness and Resilience National Security Fund under section 1003 in an amount equal to the maximum amount of the contingency at the time such transaction is entered into.

(e) **Report.**—Not later than March 1, 2021, the Assistant Secretary of Defense for Industrial Base Policy shall submit to the appropriate committees a report that includes the following:

1. A description of any guidance or policy issued to carry out this section.

2. A description of any relevant assessments prepared to address critical issues in the industrial base relating to urgent operational needs related to the COVID–19 pandemic.

3. A description of any transaction entered into pursuant to the authority under this section,
and the impact such transaction has had on the re-

response of the Department of Defense to the

COVID–19 pandemic.

(4) A prioritized list of gaps or vulnerabilities

in the transactions of the industrial base in which

small business concerns participate that are related

the COVID–19 pandemic, including—

(A) a description of mitigation strategies

necessary to address such gaps or

vulnerabilities;

(B) the identification of the Secretary con-
cerned or the head of the Defense Agency re-
sponsible for addressing such gaps or

vulnerabilities; and

(C) a proposed timeline for action to ad-
dress such gaps or vulnerabilities.

(5) Identification of each transaction designed

to sustain specific essential technological and indus-
trial capabilities and processes of the industrial base

in which small business concerns participate that are

related to the COVID–19 pandemic.

(6) Any other steps necessary to foster and

safeguard the industrial base in which small busi-

ness concerns participate due to the impact of the

COVID–19 pandemic.
(f) FUNDING.—The Assistant Secretary of Defense for Industrial Base Policy shall use amounts authorized to be appropriated for Research and Development, Defense-Wide, Pandemic Preparedness and Resilience National Security Fund under section 1003 to carry out the requirements of this section.

(g) DEFINITIONS.—In this Act:

(1) APPROPRIATE COMMITTEES.—The term “covered committees” means—

(A) the Committees on Armed Services of the Senate and the House of Representatives;

and

(B) the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives.

(2) COVID–19 PANDEMIC.—The term “COVID–19 pandemic” means the national emergency declared by the President under the National Emergencies Act (50 U.S.C. 1601 et seq.).

(3) DEFENSE AGENCY.—The term “Defense Agency” has the meaning given in section 101 of title 10, United States Code.
(4) Secretary concerned.—The term “Secretary concerned” has the meaning given in section 101 of title 10, United States Code.

(5) Small business concern.—The term “small business concern” has the meaning given under section 3 of the Small Business Act (15 U.S.C. 632)).

SEC. 845. REQUIREMENTS RELATING TO REPORTS AND LIMITATIONS ON THE AVAILABILITY OF FUNDS.

(a) Limitation on the Availability of Funds Relating to the Defense Civilian Training Corps Program.—

(1) Initial plan and schedule.—Beginning on October 1, 2020, if the Secretary of Defense has not submitted the plan and schedule to implement the Defense Civilian Training Corps program required under section 860(b)(1) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1514; 10 U.S.C. 2200g note), not more than 25 percent of the funds specified in paragraph (3) may be obligated or expended until the date on which such plan and schedule has been submitted.
(2) EXPANSION PLAN AND SCHEDULE.—Beginning on January 1, 2021, if the Secretary of Defense has not submitted the expansion plan and schedule relating to the Defense Civilian Training Corps program required under section 860(b)(2) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1514; 10 U.S.C. 2200g note), not more than 50 percent of the funds specified in paragraph (3) may be obligated or expended until the date on which such expansion plan and schedule has been submitted.

(3) FUNDS SPECIFIED.—The funds specified in this paragraph are the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Department of Defense for the following:

(A) The immediate office of the Secretary of Defense.

(B) The Office of the Under Secretary of Defense for Personnel and Readiness.

(C) The Office of the Under Secretary of Defense for Research and Engineering.

(D) The Office of the Under Secretary of Defense for Acquisition and Sustainment.
(b) REPORT AND LIMITATION ON THE AVAILABILITY OF FUNDS RELATING TO THE EXTRAMURAL ACQUISITION INNOVATION AND RESEARCH ACTIVITIES.—

(1) REPORT.—Not later than October 1, 2020, the Under Secretary of Defense for Acquisition and Sustainment shall submit to the congressional defense committees a report—

(A) on the establishment of the extramural acquisition innovation and research activities required under section 2361a of title 10, United States Code (as added by section 835(a)(1) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1494)); and

(B) that includes the name of the Director appointed under section 2361a(c) of such title (as added by section 835(a)(1) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1494)).

(2) LIMITATION.—

(A) IN GENERAL.—Beginning on October 1, 2020, if the Under Secretary of Defense for Acquisition and Sustainment has not submitted the report required under paragraph (1), not more than 25 percent of the funds specified in
subparagraph (B) may be obligated or expended
until the date on which such report has been
submitted.

(B) FUNDS SPECIFIED.—The funds speci-
fied in this subparagraph are the funds author-
ized to be appropriated by this Act or otherwise
made available for fiscal year 2021 for the De-
partment of Defense for the following:

(i) The immediate office of the Sec-
retary of Defense.

(ii) The Office of the Under Secretary
of Defense for Research and Engineering.

(iii) The Office of the Under Sec-
retary of Defense for Acquisition and
Sustainment.

(e) REPORT AND LIMITATION ON THE AVAILABILITY
OF FUNDS RELATING TO THE ELIMINATING THE GAPS
AND VULNERABILITIES IN THE NATIONAL TECHNOLOGY
AND INDUSTRIAL BASE.—

(1) REPORT.—Not later than October 1, 2020,
the Secretary of Defense shall submit to the con-
gressional defense committees the national security
strategy for national technology and industrial base
required by section 2501(a) of title 10, United
States Code.
(2) LIMITATION.—

(A) IN GENERAL.—Beginning on October 1, 2020, if the Secretary of Defense has not submitted the report required under paragraph (1), not more than 25 percent of the funds specified in subparagraph (B) may be obligated or expended until the date on which such report has been submitted.

(B) FUNDS SPECIFIED.—The funds specified in this subparagraph are the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Department of Defense for the following:

(i) The immediate office of the Secretary of Defense.

(ii) The Office of the Under Secretary of Defense for Acquisition and Sustainment.

SEC. 846. ASSESSMENT OF THE REQUIREMENTS PROCESSES OF THE MILITARY DEPARTMENTS.

(a) ASSESSMENT.—The Secretary of the military department concerned shall assess the requirements process of the military department and make recommendations to improve the agility and timeliness of such requirements
process for acquisition programs of the military department.

(b) REPORT.—

(1) IN GENERAL.—Not later than March 31, 2021, each Secretary of a military department shall submit to the congressional defense committees a report on the assessment conducted pursuant to subsection (a) and specific plans to update the requirements processes of the military department concerned based on such assessment.

(2) ELEMENTS.—Each report shall include an analysis of and recommended improvements for the following elements:

(A) If appropriate, information from the report required in section 800(f) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92).

(B) The alignment of the requirements processes, acquisition system, and budget process of the military department concerned.

(C) The requirements process for each acquisition pathway of the adaptive acquisition framework (as described in Department of Defense Instruction 5000.02, “Operation of the Adaptive Acquisition Framework”), including
the time it takes to complete requirements de-
velopment and approval process for each path-
way.

(D) For each acquisition pathway de-
scribed in subparagraph (C), the processes for
and the extent to which detailed systems engi-
neering and requirements trade-off analyses are
done before the development of requirements
begins for a specific acquisition program to en-
sure that risks are understood and accounted
for and that both top-level and derived require-
ments (development as well as reliability and
maintainability) are achievable within cost,
schedule, and technology constraints.

(E) Organizational roles and responsibil-
ities of individuals with responsibilities relating
to the requirements process for the military de-
partment concerned, including the role, com-
position, and metrics used to assess the effec-
tiveness of any requirements oversight council
of the military department concerned.

(F) The composition and sufficiency of in-
dividuals who develop requirements for the mili-
tary department concerned, including any ac-
quision workforce planning and personnel
shortfalls and resources needed to address any such shortfalls.

(G) The ability of the requirements process to address the urgent needs of the military department concerned.

(H) The capacity to review changes in requirements for programs of record.

(I) The validation of decisions made from the requirements process and the alignment of each such decision to the national defense strategy required under section 113(g) of title 10, United States Code.

(J) The use of portfolio management in the requirements process to coordinate decisions and avoid any duplication of requirements across acquisition programs.

(K) The implementation of recommendations on the process from the Comptroller General of the United States by each military department.

(L) Identification and comparison of best practices in the private sector and the public sector for the requirements development and approval process.
(M) Other recommendations to improve the process of establishing requirements, including lessons learned from responding to the COVID–19 pandemic.

(N) Any additional matters that the Secretaries determine appropriate.

SEC. 847. REPORT ON TRANSFER AND CONSOLIDATION OF CERTAIN DEFENSE ACQUISITION STATUTES.

Not later than February 21, 2021, the Secretary of Defense shall submit to the congressional defense committees a report containing a comprehensive legislative proposal for the transfer and consolidation of statutes within the framework for part V of subtitle A of title 10, United States Code (as enacted by section 801 of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232)), along with conforming amendments to law required by such transfer and consolidation. Such report shall include an assessment of the effect of such transfer and consolidation on related Department of Defense activities, guidance, and interagency coordination.
TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

Subtitle A—Office of the Secretary of Defense and Related Matters

SEC. 901. REPEAL OF POSITION OF CHIEF MANAGEMENT OFFICER.

(a) Repeal of Position of Chief Management Officer.—

(1) In General.—Section 132a of title 10, United States Code is repealed.

(2) Conforming Amendments and Repeals.—

(A) Paragraph (2) of section 131(b) of title 10, United States Code, is repealed.

(B) The table of sections at the beginning of chapter 4 of title 10, United States Code, is amended by striking the item relating to section 132a.

(C) Section 910 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1516) is repealed.

(3) Effective Date.—The amendments and repeals made by paragraphs (1) and (2) shall take
effect 30 days after the date of the enactment of this Act.

(b) IMPLEMENTATION.—On the effective date of the amendments and repeals under subsection (a)—

(1) any duties and responsibilities that remain assigned to the Chief Management Officer of the Department of Defense shall be transferred to a single official selected by the Secretary of Defense, except that such official may not be an individual who served as the Chief Management Officer before such effective date;

(2) the personnel, functions, and assets of the Office of the Chief Management Officer shall be transferred to such other organizations and elements of the Department as the Secretary determines appropriate; and

(3) any reference in Federal law, regulations, guidance, instructions, or other documents of the Federal Government to the Chief Management Officer of the Department of Defense shall be deemed to be a reference to the official selected by the Secretary under paragraph (1)).

(c) LEGISLATIVE PROPOSAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense
committees a report that includes a comprehensive legislative proposal for additional conforming amendments to law required by the amendments and repeals made by this section.

SEC. 902. ASSISTANT SECRETARY OF DEFENSE FOR INDUSTRIAL BASE POLICY.

(a) IN GENERAL.—

(1) ASSISTANT SECRETARIES OF DEFENSE.—
Section 138 of title 10, United States Code, is amended—

(A) in subsection (a)(1), by striking “13” and inserting “14”; and

(B) in subsection (b), by adding at the end the following new paragraph:

“(6) One of the Assistant Secretaries is the Assistant Secretary of Defense for Industrial Base Policy. In addition to any duties and powers prescribed under paragraph (1), the Assistant Secretary of Defense for Industrial Base Policy shall have the duties described in section 139c of this title.”.

(2) ASSISTANT SECRETARY OF DEFENSE FOR INDUSTRIAL BASE POLICY.—Chapter 4 of subtitle A of title 10, United States Code, is amended by inserting after section 139b the following new section:
“§ 139c. Assistant Secretary of Defense for Industrial Base Policy

“(a) In general.—The Assistant Secretary of Defense for Industrial Base Policy shall report to the Under Secretary of Defense for Acquisition and Sustainment.

“(b) Responsibilities.—The Assistant Secretary of Defense for Industrial Base Policy shall be the head of the Office of Defense Industrial Base Policy and shall serve as the principal advisor to the Under Secretary of Defense for Acquisition and Sustainment in the performance of the Under Secretary’s duties relating to the following:

“(1) Providing input to strategy reviews on matters related to—

“(A) the defense industrial base; and

“(B) materials critical to national security (as defined in section 187(e)(1) of this title).

“(2) Establishing policies of the Department of Defense for developing and maintaining the defense industrial base of the United States and ensuring a secure supply of materials critical to national security.

“(3) Providing recommendations on budget matters pertaining to the defense industrial base, the supply chain, and the development and retention
of skills necessary to support the defense industrial base.

“(4) Providing recommendations and acquisition policy guidance on defense supply chain management and supply chain vulnerability throughout the entire defense supply chain, from suppliers of raw materials to producers of major end items.

“(5) Establishing the national security objectives concerning the national technology and industrial base required under section 2501 of this title.

“(6) Executing the national defense program for analysis of the national technology and industrial base required under section 2503 of this title.

“(7) Performing the national technology and industrial base periodic defense capability assessments required under section 2505 of this title.

“(8) Establishing the technology and industrial base policy guidance required under section 2506 of this title.

“(9) Providing policy and oversight of matters related to materials critical to national security to ensure a secure supply of such materials to the Department of Defense.

“(10) Carrying out the activities of the Department of Defense relating to the Defense Production


“(12) Establishing Department of Defense policies related to international defense technology security and export control issues.

“(13) Establishing policies related to industrial independent research and development programs under section 2372 of this title.

“(14) Coordinating with the Director of Small Business Programs on all matters related to industrial base policy of the Department of Defense.

“(15) Ensuring reliable sources of materials critical to national security, such as specialty metals, armor plate, and rare earth elements.

“(16) Establishing policies of the Department of Defense for continued reliable resource availability from secure sources for the defense industrial base of the United States.
“(17) Establishing policies related to a procuring technical assistance program funded under this chapter 142 of this title.

“(18) Such other duties as are assigned by the Under Secretary.

“(c) Rules of Construction Relating to Defense Production Act.—Nothing in this section shall be construed to modify the authorities or responsibilities of any officer or employee of the United States under the Defense Production Act of 1950 (50 U.S.C. 4501 et seq.), including those authorities and responsibilities specified in Department of Defense Directive 4400.01E (or any successor directive). In addition, nothing in subsection (b)(9) shall be construed to limit the authority or modify the policies of the Committee on Foreign Investment in the United States established under section 721(k) of such Act (50 U.S.C. 4565(k)).”.

(3) Clerical Amendment.—The table of contents for chapter 4 of subtitle A of title 10, United States Code, is amended by inserting after the item relating to section 139b the following new item:

“139c. Assistant Secretary of Defense for Industrial Base Policy.”.

(b) Continuation of Service.—The Deputy Assistant Secretary of Defense for Industrial Policy shall be the individual serving as the Assistant Secretary of Defense for Industrial Base Policy (as established under sec-
tion 139c(a) of title 10, United States Code, as added by subsection (a)) until the President has appointed an individual to serve as Assistant Secretary of Defense for Industrial Base Policy pursuant to section 138 of title 10, United States Code.

(c) Transfer of Office of Industrial Policy to Office of Defense Industrial Base Policy.—

(1) Transfer of functions.—Not later than 180 days after the date of the enactment of this Act, all functions that, immediately before such date of enactment, were functions of the Office of Industrial Policy of the Department of Defense shall be transferred to the Office of Defense Industrial Base Policy.

(2) Transfer of assets.—So much of the personnel, property, records, and unexpended balances of appropriations, allocations, and other funds employed, used, held, available, or to be made available in connection with a function transferred under paragraph (1) shall be available to the Office of Defense Industrial Base Policy at such time or times as the President directs for use in connection with the functions transferred.
(3) TERMINATION.—The Office of Industrial Policy of the Department of Defense shall terminate on the earlier of—

(A) the effective date of the transfers under paragraph (1); or

(B) 180 days after the date of the enactment of this Act.

Subtitle B—Other Department of Defense Organization and Management Matters

SEC. 911. LIMITATION ON REDUCTION OF CIVILIAN WORKFORCE.

Section 129a(b) of title 10, United States Code, is amended by adding at the end the following: “The Secretary may not reduce the civilian workforce programmed full-time equivalent levels unless the Secretary conducts an appropriate analysis of the impacts of such reductions on workload, military force structure, lethality, readiness, operational effectiveness, stress on the military force, and fully burdened costs.”

SEC. 912. CHIEF DIVERSITY OFFICERS.

(a) DEPARTMENT OF DEFENSE.—

(1) IN GENERAL.—Chapter 4 of title 10, United States Code, is amended by adding at the end the following new section:
§ 146. Chief Diversity Officer

(a) CHIEF DIVERSITY OFFICER.—(1) There is a Chief Diversity Officer of the Department of Defense, appointed from civilian life by the President, by and with the advice and consent of the Senate.

(2) The Chief Diversity Officer shall be appointed from among persons who have an extensive management or business background and experience with diversity and inclusion. A person may not be appointed as Chief Diversity Officer within seven years after relief from active duty as a commissioned officer of a regular component of an armed force.

(b) POWERS AND DUTIES.—The Chief Diversity Officer—

(1) is responsible for policy, oversight, guidance, and coordination for all matters of the Department of Defense related to diversity and inclusion;

(2) exercises authority to direct the Secretaries of the military departments and the heads of all other elements of the Department with regard to matters for which the Chief Diversity Officer has responsibility under this section;

(3) exercises authority, direction, and control over the Office of People Analytics, or any successor organization;
“(4) shall establish and maintain a Department of Defense strategic plan that publicly states a diversity definition, vision, and goals for the Department of Defense;

“(5) shall define a set of strategic metrics that are directly linked to key organizational priorities and goals, actionable, and actively used to implement the strategic plan;

“(6) shall establish training in diversity dynamics and training in practices for leading diverse groups effectively;

“(7) shall establish and maintain a strategic plan for outreach to, and recruiting from, untapped locations and underrepresented demographic groups;

“(8) shall conduct regular, rigorous evaluations and assessments of diversity within the Department of Defense; and

“(9) shall perform such additional duties and exercise such powers as the Secretary of Defense may prescribe.

“(c) PRECEDENCE IN THE DEPARTMENT OF DEFENSE.—(1) The Chief Diversity Officer shall report directly to the Secretary of Defense in the performance of duties under this section.
“(2) The Chief Diversity Officer takes precedence in the Department of Defense after the Chief Management Officer.”.

(2) TECHNICAL AND CONFORMING AMENDMENTS.—

(A) The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“146. Chief Diversity Officer.”.

(B) Section 136(b) of such title is amended by inserting “the Chief Diversity Officer and” after “control of the Secretary of Defense,”.

(b) DEPARTMENT OF THE ARMY.—

(1) IN GENERAL.—Chapter 703 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 7025. Chief Diversity Officer

“(a) CHIEF DIVERSITY OFFICER.—(1) There is a Chief Diversity Officer of the Department of the Army, appointed from civilian life by the President, by and with the advice and consent of the Senate.

“(2) The Chief Diversity Officer shall be appointed from among persons who have an extensive management or business background and experience with diversity and inclusion."
“(b) POWERS AND DUTIES.—The Chief Diversity Officer—

“(1) is responsible for policy, oversight, guidance, and coordination for all matters of the Department of the Army related to diversity and inclusion;

“(2) exercises authority to direct the heads of all other elements of the Department with regard to matters for which the Chief Diversity Officer has responsibility under this section;

“(3) shall establish training in diversity dynamics and training in practices for leading diverse groups effectively;

“(4) shall conduct regular, rigorous evaluations and assessments of diversity within the Department of the Army; and

“(5) shall perform such additional duties and exercise such powers as the Secretary of the Army may prescribe.”.

(2) TECHNICAL AND CONFORMING AMENDMENTS.—

(A) The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“7025. Chief Diversity Officer.”.

(B) Section 7014(b) of such title is amended by—
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(i) by redesignating paragraphs (2)
through (8) as paragraphs (3) through (9),
respectively; and
(ii) by inserting after paragraph (1),
the following new paragraph (2):
“(2) The Chief Diversity Officer.”.

(C) Section 7014(c)(1) of such title is
amended by adding at the end the following
new subparagraph (H):
“(H) Diversity and inclusion.”.

(e) DEPARTMENT OF THE NAVY.—

(1) IN GENERAL.—Chapter 803 of title 10,
United States Code, is amended by adding at the
end the following new section:

“§ 8029. Chief Diversity Officer

“(a) CHIEF DIVERSITY OFFICER.—(1) There is a
Chief Diversity Officer of the Department of the Navy,
appointed from civilian life by the President, by and with
the advice and consent of the Senate.
“(2) The Chief Diversity Officer shall be appointed
from among persons who have an extensive management
or business background and experience with diversity and
inclusion.
“(b) POWERS AND DUTIES.—The Chief Diversity Of-

ficer—
“(1) is responsible for policy, oversight, guidance, and coordination for all matters of the Department of the Navy related to diversity and inclusion;

“(2) exercises authority to direct the heads of all other elements of the Department with regard to matters for which the Chief Diversity Officer has responsibility under this section;

“(3) shall establish training in diversity dynamics and training in practices for leading diverse groups effectively;

“(4) shall conduct regular, rigorous evaluations and assessments of diversity within the Department of the Navy; and

“(5) shall perform such additional duties and exercise such powers as the Secretary of the Navy may prescribe.”.

(2) TECHNICAL AND CONFORMING AMENDMENTS.—

(A) The table of sections at the beginning of chapter 803 of title 10, United States Code, is amended by adding at the end the following new item:

“8029. Chief Diversity Officer.”.

(B) Section 8014(b) of such title is amended by—
(i) by redesignating paragraphs (2) through (8) as paragraphs (3) through (9), respectively; and
(ii) by inserting after paragraph (1), the following new paragraph (2):

“(2) The Chief Diversity Officer.”.

(C) Section 8014(c)(1) of such title is amended by adding at the end the following new subparagraph (H):

“(H) Diversity and inclusion.”.

(d) DEPARTMENT OF THE AIR FORCE.—

(1) IN GENERAL.—Chapter 903 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 9025. Chief Diversity Officer

“(a) CHIEF DIVERSITY OFFICER.—(1) There is a Chief Diversity Officer of the Department of the Air Force, appointed from civilian life by the President, by and with the advice and consent of the Senate.

“(2) The Chief Diversity Officer shall be appointed from among persons who have an extensive management or business background and experience with diversity and inclusion.

“(b) POWERS AND DUTIES.—The Chief Diversity Of-
“(1) is responsible for policy, oversight, guidance, and coordination for all matters of the Department of the Air Force related to diversity and inclusion;

“(2) exercises authority to direct the heads of all other elements of the Department with regard to matters for which the Chief Diversity Officer has responsibility under this section;

“(3) shall establish training in diversity dynamics and training in practices for leading diverse groups effectively;

“(4) shall conduct regular, rigorous evaluations and assessments of diversity within the Department of the Air Force; and

“(5) shall perform such additional duties and exercise such powers as the Secretary of the Air Force may prescribe.”.

(2) TECHNICAL AND CONFORMING AMENDMENTS.—

(A) The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“9025. Chief Diversity Officer.”.

(B) Section 9014(b) of such title is amended by—
(i) by redesignating paragraphs (2) through (8) as paragraphs (3) through (9), respectively; and

(ii) by inserting after paragraph (1), the following new paragraph (2):

“(2) The Chief Diversity Officer.”.

(C) Section 9014(c)(1) of such title is amended by adding at the end the following new subparagraph (H):

“(H) Diversity and inclusion.”.

(e) COAST GUARD.—

(1) IN GENERAL.—Chapter 3 of title 14, United States Code, is amended by adding at the end the following new section:

“§ 321. Chief Diversity Officer

“(a) ESTABLISHMENT.—(1) There is a Chief Diversity Officer of the Coast Guard, appointed from civilian life by the President, by and with the advice and consent of the Senate.

“(2) The Chief Diversity Officer shall be appointed from among persons who have an extensive management or business background and experience with diversity and inclusion.

“(b) POWERS AND DUTIES.—The Chief Diversity Officer—
“(1) is responsible for policy, oversight, guidance, and coordination for all matters of the Coast Guard related to diversity and inclusion;

“(2) exercises authority to direct the heads of all other elements of the Coast Guard with regard to matters for which the Chief Diversity Officer has responsibility under this section;

“(3) shall establish training in diversity dynamics and training in practices for leading diverse groups effectively;

“(4) shall conduct regular, rigorous evaluations and assessments of diversity within the Coast Guard; and

“(5) shall perform such additional duties and exercise such powers as the Commandant may prescribe.

“(c) PRECEDENCE.—The Chief Diversity Officer shall report directly to the Commandant in the performance of duties under this section.”.

(2) TECHNICAL AND CONFORMING AMENDMENTS.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“321. Chief Diversity Officer.”.

(f) EFFECTIVE DATE.—The amendments made by this section shall take effect on February 1, 2021.
SEC. 913. ESTABLISHMENT OF DEPUTY ASSISTANT SECRETARIES FOR SUSTAINMENT.

(a) DEPARTMENT OF THE ARMY.—

(1) IN GENERAL.—Chapter 703 of title 10, United States Code, as amended by section 912(b) of this Act, is further amended by adding at the end the following new section:

“§ 7026. Deputy Assistant Secretary of the Army for Sustainment

“(a) APPOINTMENT.—There is a Deputy Assistant Secretary of the Army for Sustainment, who shall be appointed by the Secretary of the Army.

“(b) RESPONSIBILITIES.—The Deputy Assistant Secretary of the Army for Sustainment shall have the following responsibilities with respect to major weapon systems acquired for the Department of the Army:

“(1) Reviewing and providing oversight of the sustainment baseline cost estimates required by section 2366d of this title.

“(2) Participating in any review of a life-cycle sustainment plan conducted pursuant to section 2366d of this title.

“(3) Ensuring that cost modeling, performance metrics, and data analytics are used—

“(A) to inform and update life-cycle sustainment plans;
“(B) to develop, with respect to the major weapon system to which such plan relates, the budget of the President for the fiscal year as submitted to Congress pursuant to section 1105 of title 31; and

“(C) to inform the Secretary of the Army when assumptions made in the development of a sustainment baseline cost estimate are no longer valid or when new opportunities arise to reduce costs or improve efficiency.

“(4) Making recommendations to the senior acquisition executive of the Army regarding the most cost-effective sustainment strategy to incorporate into each life-cycle sustainment plan.

“(5) Balancing the range of sustainment activities for each major weapon system to achieve the optimal balance of affordability, viable military depots and shipyards, and contracted product support arrangements.

“(6) Advise the Secretary of the Army regarding the overall alignment of the sustainment activities, the operations of the sustainment supply chain, and strategic readiness.

“(c) DEFINITIONS.—The terms ‘life-cycle sustainment plan’, ‘major weapon system’, and
‘sustainment baseline cost estimate’ have the meanings given in section 2366d of this title.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 703 of title 10, United States Code, is amended by adding at the end the following new item:

“7026. Deputy Assistant Secretary of the Army for Sustainment.”.

(b) DEPARTMENT OF THE NAVY.—

(1) IN GENERAL.—Chapter 803 of title 10, United States Code, as amended by section 912(c) of this Act, is further amended by adding at the end the following new section:

“§ 8029a. Deputy Assistant Secretary of the Navy for Sustainment

(a) APPOINTMENT.—There is a Deputy Assistant Secretary of the Navy for Sustainment, who shall be appointed by the Secretary of the Navy.

(b) RESPONSIBILITIES.—The Deputy Assistant Secretary of the Navy for Sustainment shall have the following responsibilities with respect to major weapon systems acquired for the Department of the Navy:

(1) Reviewing and providing oversight of the sustainment baseline cost estimates required by section 2366d of this title.
“(2) Participating in any review of a life-cycle sustainment plan conducted pursuant to section 2366d of this title.

“(3) Ensuring that cost modeling, performance metrics, and data analytics are used—

“(A) to inform and update life-cycle sustainment plans;

“(B) to develop, with respect to the major weapon system to which such plan relates, the budget of the President for the fiscal year as submitted to Congress pursuant to section 1105 of title 31; and

“(C) to inform the Secretary of the Navy when assumptions made in the development of a sustainment baseline cost estimate are no longer valid or when new opportunities arise to reduce costs or improve efficiency.

“(4) Making recommendations to the senior acquisition executive of the Navy regarding the most cost-effective sustainment strategy to incorporate into each life-cycle sustainment plan.

“(5) Balancing the range of sustainment activities for each major weapon system to achieve the optimal balance of affordability, viable military depots
and shipyards, and contracted product support ar-
rangements.

“(6) Advise the Secretary of the Navy regard-
ing the overall alignment of the sustainment activi-
ties, the operations of the sustainment supply chain,
and strategic readiness.

“(c) DEFINITIONS.—The terms ‘life-cycle
sustainment plan’, ‘major weapon system’ , and
‘sustainment baseline cost estimate’ have the meanings
given in section 2366d of this title.”.

(2) CLERICAL AMENDMENT.—The table of sec-
tions at the beginning of chapter 803 of title 10,
United States Code, is amended by adding at the
end the following new item:

“8029a. Deputy Assistant Secretary of the Navy for Sustainment.”.

(e) DEPARTMENT OF THE AIR FORCE.—

(1) IN GENERAL.—Chapter 903 of title 10,
United States Code, as amended by section 912(d)
of this Act, is further amended by adding at the end
the following new section:

“§ 9026. Deputy Assistant Secretary of the Air Force
for Sustainment

“(a) APPOINTMENT.—There is a Deputy Assistant
Secretary of the Air Force for Sustainment, who shall be
appointed by the Secretary of the Air Force.
“(b) RESPONSIBILITIES.—The Deputy Assistant Secretary of the Air Force for Sustainment shall have the following responsibilities with respect to major weapon systems acquired for the Department of the Air Force:

“(1) Reviewing and providing oversight of the sustainment baseline cost estimates required by section 2366d of this title.

“(2) Participating in any review of a life-cycle sustainment plan conducted pursuant to section 2366d of this title.

“(3) Ensuring that cost modeling, performance metrics, and data analytics are used—

“(A) to inform and update life-cycle sustainment plans;

“(B) to develop, with respect to the major weapon system to which such plan relates, the budget of the President for the fiscal year as submitted to Congress pursuant to section 1105 of title 31; and

“(C) to inform the Secretary of the Air Force when assumptions made in the development of a sustainment baseline cost estimate are no longer valid or when new opportunities arise to reduce costs or improve efficiency.
“(4) Making recommendations to the senior acquisition executive of the Air Force regarding the most cost-effective sustainment strategy to incorporate into each life-cycle sustainment plan.

“(5) Balancing the range of sustainment activities for each major weapon system to achieve the optimal balance of affordability, viable military depots and shipyards, and contracted product support arrangements.

“(6) Advise the Secretary of the Air Force regarding the overall alignment of the sustainment activities, the operations of the sustainment supply chain, and strategic readiness.

“(e) Definitions.—The terms ‘life-cycle sustainment plan’, ‘major weapon system’, and ‘sustainment baseline cost estimate’ have the meanings given in section 2366d of this title.”.

(2) Clerical Amendment.—The table of sections at the beginning of chapter 903 of title 10, United States Code, is amended by adding at the end the following new item:

“9026. Deputy Assistant Secretary of the Air Force for Sustainment.”.

SEC. 914. OFFICE OF DEFENSE COMMUNITY COOPERATION AND ECONOMIC ADJUSTMENT.

(a) Establishment.—
(1) IN GENERAL.—Chapter 141 of title 10, United States Code, is amended by inserting after section 2391 the following new section:

§ 2391a. Office of Defense Community Cooperation and Economic Adjustment

“(a) ESTABLISHMENT.—There is in the Office of the Secretary of Defense an Office of Defense Community Cooperation and Economic Adjustment (in this section referred to as the ‘Office’).

“(b) HEAD OF OFFICE.—There is a Director of the Office who shall be the head of the Office. The Director shall be appointed by the Secretary of Defense.

“(c) DUTIES.—The Office shall—

“(1) serve as the office in the Department of Defense with primary responsibility for—

“(A) providing assistance to States, counties, municipalities, regions, and other communities to foster cooperation with military installations to enhance the military mission, achieve facility and infrastructure savings and reduced operating costs, address encroachment and compatible land use issues, support military families, and increase military, civilian, and industrial readiness and resiliency; and
“(B) providing adjustment and diversification assistance to State and local governments under section 2391(b) to achieve the objectives described in subparagraph (A);

“(2) coordinate the provision of such assistance with other organizations and elements of the Department;

“(3) provide support to the Economic Adjustment Committee established under Executive Order 12788 (57 Fed. Reg. 2213; 10 U.S.C. 2391 note) or any successor to such Committee; and

“(4) carry out such other activities as the Secretary of Defense determines appropriate.”.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2391 the following new item:


(b) TRANSFERS.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall transfer the functions, personnel, and assets of the Office of Economic Adjustment of the Department of Defense to the Office of Defense Community Cooperation and Economic Adjustment established under section 2391a of title 10, United States Code (as added by subsection (a)).
(c) Administration of Certain Programs.—Beginning on the effective date of the transfers under subsection (b), any program, project, or other activity administered by the Office of Economic Adjustment of the Department of Defense as of the date of the enactment of this Act shall be administered by the Office of Defense Community Cooperation and Economic Adjustment established under section 2391a of title 10, United States Code (as added by subsection (a)).

SEC. 915. Input From Chief of National Guard Bureau to the Joint Requirements Oversight Council.

Section 181(d) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(4) Input From Chief of National Guard Bureau.—The Council shall seek, and strongly consider, the views of the Chief of National Guard Bureau regarding non-Federalized National Guard capabilities in support of homeland defense and civil support missions.”.

SEC. 916. Redesignation of the Joint Forces Staff College.

(a) In General.—Title 10, United States Code, is amended by striking “Joint Forces Staff College” each
place it appears and inserting “Joint Forces War College”.

(b) REFERENCES.—Any reference in Federal law, regulations, guidance, instructions, or other documents of the Federal Government to the Joint Forces Staff College shall be deemed to be a reference to the Joint Forces War College.

Subtitle C—Space Matters

SEC. 921. ASSISTANT SECRETARY OF DEFENSE FOR SPACE AND STRATEGIC DETERRENCE POLICY.

(a) ASSISTANT SECRETARIES OF DEFENSE.—Paragraph (5) of section 138(b) of title 10, United States Code, is amended to read as follows:

“(5) One of the Assistant Secretaries is the Assistant Secretary of Defense for Space and Strategic Deterrence Policy. The principal duty of the Assistant Secretary shall be the overall supervision of policy of the Department of Defense for space, nuclear deterrence, and missile defense.”.

(b) SPACE FORCE ACQUISITION COUNCIL.—Section 9021(b)(3) of title 10, United States Code, is amended by striking “Assistant Secretary of Defense for Space Policy” and inserting “Assistant Secretary of Defense for Space and Strategic Deterrence Policy”.
(c) **ELEMENTS OF OFFICE.**—Section 955(b) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1565) is amended by striking “Assistant Secretary of Defense for Space Policy” and inserting “Assistant Secretary of Defense for Space and Strategic Deterrence Policy”.

**SEC. 922. OFFICE OF THE CHIEF OF SPACE OPERATIONS.**

(a) **IN GENERAL.**—Chapter 908 of title 10, United States Code, is amended by striking section 9083 and inserting the following new sections:

“§ 9083. Office of the Chief of Space Operations: function; composition

“(a) **FUNCTION.**—There is in the executive part of the Department of the Air Force an Office of the Chief of Space Operations to assist the Secretary of the Air Force in carrying out the responsibilities of the Secretary.

“(b) **COMPOSITION.**—The Office of the Chief of Space Operations is composed of the following:

“(1) The Chief of Space Operations.

“(2) Other members of the Space Force and Air Force assigned or detailed to the Office of the Chief of Space Operations.

“(3) Civilian employees in the Department of the Air Force assigned or detailed to the Office of the Chief of Space Operations.
“(c) ORGANIZATION.—Except as otherwise specifically prescribed by law, the Office of the Chief of Space Operations shall be organized in such manner, and the members of the Office of the Chief of Space Operations shall perform such duties and have such titles, as the Secretary of the Air Force may prescribe.

“§ 9084. Office of the Chief of Space Operations: general duties

“(a) PROFESSIONAL ASSISTANCE.—The Office of the Chief of Space Operations shall furnish professional assistance to the Secretary, the Under Secretary, and the Assistant Secretaries of the Air Force and to the Chief of Space Operations.

“(b) AUTHORITIES.—Under the authority, direction, and control of the Secretary of the Air Force, the Office of the Chief of Space Operations shall—

“(1) subject to subsections (c) and (d) of section 9014 of this title, prepare for such employment of the Space Force, and for such recruiting, organizing, supplying, equipping (including research and development), training, servicing, mobilizing, demobilizing, administering, and maintaining of the Space Force, as will assist in the execution of any power, duty, or function of the Secretary of the Air Force or the Chief of Space Operations;
“(2) investigate and report upon the efficiency of the Space Force and its preparation to support military operations by commanders of the combatant commands;

“(3) prepare detailed instructions for the execution of approved plans and supervise the execution of those plans and instructions;

“(4) as directed by the Secretary of the Air Force or the Chief of Space Operations, coordinate the action of organizations of the Space Force; and

“(5) perform such other duties, not otherwise assigned by law, as may be prescribed by the Secretary of the Air Force.”.

(b) Table of Sections Amendment.—The table of sections at the beginning of chapter 908 of such title is amended by striking the item related to section 9083 and adding at the end the following new items:

“9083. Office of the Chief of Space Operations: function; composition
9084. Office of the Chief of Space Operations: general duties”.

(e) Effective Date.—The amendments made by this section shall take effect on the date on which the Secretary of the Air Force and the Chief of Space Operations jointly submit to the congressional defense committees a report detailing the functions that the headquarters staff of the Department of the Air Force will continue to perform in support of the Space Force.
(d) **No Authorization of Additional Military Billets.**—The Secretary shall establish the Office of the Chief of Space Operations under section 9083 of title 10, United States Code, as added by subsection (a), using military personnel otherwise authorized. Nothing in this section or the amendments made by this section shall be construed to authorize additional military billets for the purposes of, or in connection with, the establishment of the Office of the Chief of Space Operations.

**SEC. 923. SPACE FORCE MEDAL.**

(a) **Space Force Medal.—**Chapter 937 of title 10, United States Code, is amended by inserting after section 9280 the following new section:

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§ 9280a. Space Force Medal: award; limitations

“(a) The President may award a decoration called the ‘Space Force Medal’, of appropriate design with accompanying ribbon, to any person who, while serving in any capacity with the Space Force, distinguishes himself or herself by heroism not involving actual conflict with an enemy.

“(b) Not more than one Space Force Medal may be awarded to a person. However, for each succeeding act that would otherwise justify award of such a medal, the President may award a suitable bar or other device to be worn as the President directs.”
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(b) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 9280 the following new item:

“9280a. Space Force Medal: award; limitations.”.

SEC. 924. CLARIFICATION OF PROCUREMENT OF COMMERCIAL SATELLITE COMMUNICATIONS SERVICES.

(a) In General.—Chapter 963 of title 10, United States Code, is amended by inserting before section 9532 the following new section:

“§ 9531. Procurement of commercial satellite communications services

“The Chief of Space Operations shall be responsible for the procurement of commercial satellite communications services for the Department of Defense.”.

(b) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of chapter 963 of such title is amended by inserting before the item relating to section 9532 the following new item:

“9531. Procurement of commercial satellite communications services.”.

SEC. 925. TEMPORARY EXEMPTION FROM AUTHORIZED DAILY AVERAGE OF MEMBERS IN PAY GRADES E–8 AND E–9.

Section 517 of title 10, United States Code, shall not apply to the Space Force until October 1, 2023.
SEC. 926. ONE-TIME UNIFORM ALLOWANCE FOR MEMBERS TRANSFERRED TO THE SPACE FORCE.

(a) In General.—The Secretary of the Air Force may provide an officer or enlisted member who transfers from the Army, Navy, Air Force, or Marine Corps to the Space Force an allowance of not more than $400 as reimbursement for the purchase of required uniforms and equipment.

(b) Relationship to Other Allowances.—The allowance under this section is in addition to any allowance available under any other provision of law.

(c) Source of Funds.—Funds for allowances provided under subsection (a) in a fiscal year may be derived only from amounts authorized to be appropriated for military personnel for such fiscal year.

(d) Applicability.—The authority for an allowance under this section shall apply with respect to any member of the Army, Navy, Air Force, or Marine Corps who transfers to the Space Force on or after December 20, 2019, and on or before September 30, 2023.

TITLE X—GENERAL PROVISIONS
Subtitle A—Financial Matters

SEC. 1001. GENERAL TRANSFER AUTHORITY.

(a) Authority to Transfer Authorizations.—

(1) Authority.—Upon determination by the Secretary of Defense that such action is necessary in
the national interest, the Secretary may transfer
amounts of authorizations made available to the De-
partment of Defense in this division for fiscal year
2021 between any such authorizations for that fiscal
year (or any subdivisions thereof). Amounts of au-
thorizations so transferred shall be merged with and
be available for the same purposes as the authoriza-
tion to which transferred.

(2) LIMITATION.—Except as provided in para-
graph (3), the total amount of authorizations that
the Secretary may transfer under the authority of
this section may not exceed $4,000,000,000.

(3) EXCEPTION FOR TRANSFERS BETWEEN
MILITARY PERSONNEL AUTHORIZATIONS.—A trans-
fer of funds between military personnel authoriza-
tions under title IV shall not be counted toward the
dollar limitation in paragraph (2).

(b) LIMITATIONS.—The authority provided by sub-
section (a) to transfer authorizations—

(1) may only be used to provide authority for
items that have a higher priority than the items
from which authority is transferred; and

(2) may not be used to provide authority for an
item that has been denied authorization by Con-
gress.
(c) Effect on Authorization Amounts.—A transfer made from one account to another under the authority of this section shall be deemed to increase the amount authorized for the account to which the amount is transferred by an amount equal to the amount transferred.

(d) Notice to Congress.—The Secretary shall promptly notify Congress of each transfer made under subsection (a).

(e) Certification Requirement.—The authority to transfer any authorization under this section may not be used until the Secretary of Defense and the head of each entity affected by such transfer submits to the congressional defense committees certification in writing that—

(1) the amount transferred will be used for higher priority items, based on unforeseen military requirements, than the items from which authority is transferred; and

(2) the amount transferred will not be used for any item for which funds have been denied authorization by Congress.

§ 1002. Determination of Budgetary Effects.

The budgetary effects of this Act, for the purpose of complying with the Statutory Pay-As-You-Go Act of 2010,
shall be determined by reference to the latest statement
titled “Budgetary Effects of PAYGO Legislation” for this
Act, submitted for printing in the Congressional Record
by the Chairman of the House Budget Committee, pro-
vided that such statement has been submitted prior to the
vote on passage.

SEC. 1003. PANDEMIC PREPAREDNESS AND RESILIENCE
    NATIONAL SECURITY FUND.

(a) Fund Purposes.—Amounts authorized to be ap-
propriated for Research and Development, Defense-Wide,
Pandemic Preparedness and Resilience National Security
Fund shall be available for obligation and expenditure only
for the purposes of pandemic preparedness. Such amounts
may not be used for a purpose or program unless the pur-
pose or program is authorized by law.

(b) Transfers.—

(1) In general.—Amounts referred to in sub-
section (a) may be transferred as follows:

(A) To Procurement, Defense-wide and
    Research, Development, Test, and Evaluation,
    Defense-wide, not more than an aggregate of
    $200,000,000 to carry out the Small Business
    Industrial Base Resilience Program established
    by section 844 of this Act.
(B) To Research, Development, Test, and Evaluation, Defense-wide, line 9, Biomedical Technology, not more than $50,000,000 for research that aims to rapidly produce medical countermeasures against novel threats, at population scale and approved for use in people.

(C) To the following, not more than an aggregate of $750,000,000 to support research and development efforts directly related to bio-preparedness and pandemic preparedness and resilience:

   (i) Research, Development, Test, and Evaluation, Army.

   (ii) Research, Development, Test, and Evaluation, Navy.

   (iii) Research, Development, Test, and Evaluation, Air Force.


   (v) Defense Health Program.

(D) To Research, development, test, and evaluation, Defense-wide, Line 16, Chemical and Biological Defense Program, not more than $27,000,000 for research and development to
detect and model treatments for nuclear, chemical, and biological exposure.

(E) To research, development, test, and evaluation, Defense-wide, line 44, Chemical and Biological Defense Program – Advanced Development, not more than $30,000,000 for the development of decontamination technologies for civilian pandemic preparedness.

(F) To research, development, test, and evaluation, Defense-wide, line 49, Manufacturing Science and Technology Program, not more than $35,000,000 for support for the development of advanced manufacturing techniques and technologies that enable the United States defense industrial base to rapidly produce needed materials for novel biological threats.

(2) LIMITATION.—Amounts referred to in subsection (a) may not be transferred for—

(A) Drug Interdiction and Counter-Drug Activities; or

(B) military construction (as defined in section 2801(a) of title 10, United States Code), including the purposes described in section 2802(b) of such title, or military family
housing, including the purposes described in section 2821(a) of such title.

(3) NOTICE REQUIREMENT.—Not later than 30 days before transferring any amount described in subsection (a), the Secretary of Defense shall submit to the congressional defense committees notice of the transfer.

(4) EXCEPTION FROM GENERAL TRANSFER AUTHORITY.—A transfer under this subsection shall not be counted toward the dollar amount limitation under section 1001.

SEC. 1004. BUDGET MATERIALS FOR SPECIAL OPERATIONS FORCES.

Section 226 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) by inserting “of Defense and the Secretary of each of the military departments” after “Secretary”;

(B) by striking “2021” and inserting “2022”;

(C) by striking “a consolidated budget justification display” and inserting “a budget justification display for each applicable appropriation”;

...
(D) in the second sentence, by striking “display” and all that follows and inserting “displays shall include each of the following:” and

(E) by adding at the end the following new paragraphs:

“(1) Details at the appropriation and line item level, including any amount for service-common support, acquisition support, training, operations, pay and allowances, base operations sustainment, and any other common services and support.

“(2) An identification of any change in the level or type of service-common support and enabling capabilities provided by each of the military services or Defense Agencies to special operations forces for the fiscal year covered by the budget justification display when compared to the preceding fiscal year, including the rationale for any such change and any mitigating actions.

“(3) An assessment of the specific effects that the budget justification display for the fiscal year covered by the display and any anticipated future manpower and force structure changes are likely to have on the ability of each of the military services
to provide service-common support and enabling ca-
pabilities to special operations forces.

“(4) Any other matters the Secretary of De-
fense or the Secretary of a military department de-
termines are relevant.”;

(2) by redesignating subsection (b) as sub-
section (c); and

(3) by inserting after subsection (a) the fol-
lowing new subsection (b):

“(b) **Consolidated Budget Justification Dis-
play.**—The Secretary of Defense shall include, in the
budget materials submitted to Congress under section
1105 of title 31, for fiscal year 2022 and any subsequent
fiscal year, a consolidated budget justification display con-
taining the same information as is required in the budget
justification displays required under subsection (a). Such
consolidated budget justification display may be provided
as a summary by appropriation for each military depart-
ment and a summary by appropriation for all Defense
Agencies.”.
Subtitle B—Counterdrug Activities

SEC. 1011. SUPPORT FOR COUNTERDRUG ACTIVITIES AND ACTIVITIES TO COUNTER TRANSNATIONAL ORGANIZED CRIME AFFECTING FLOW OF DRUGS INTO THE UNITED STATES.

Section 284(c) of title 10, United States Code, is amended—

(1) by striking paragraph (2), and inserting the following new paragraph (2):

“(2) SECRETARY OF STATE CONCURRENCE.—

The Secretary may only provide support for a purpose described in this subsection with the concurrence of the Secretary of State.”; and

(2) by adding at the end the following new paragraph:

“(3) PRIORITY.—In providing support for a purpose described in this subsection, the Secretary shall give priority to support requested for the purpose of affecting the flow of drugs into the United States.”.
SEC. 1012. CONGRESSIONAL NOTIFICATION WITH RESPECT TO DEPARTMENT OF DEFENSE SUPPORT PROVIDED TO OTHER UNITED STATES AGENCIES FOR COUNTERDRUG ACTIVITIES AND ACTIVITIES TO COUNTER TRANSNATIONAL ORGANIZED CRIME.

Section 284(h) of title 10, United States Code, is amended—

(1) in paragraph (1)—

(A) by redesignating subparagraphs (A) and (B) as subparagraphs (B) and (C), respectively; and

(B) by inserting before subparagraph (B), as so redesignated, the following new subparagraph (A):

“(A) In case of support for a purpose described in subsection (b)—

“(i) an identification of the recipient of the support;

“(ii) a description of the support provided;

“(iii) a description of the sources and amounts of funds used to provide such support; and
“(iv) a description of the amount of
funds obligated to provide such support.”;
and
(2) by adding at the end the following new paragraph:
“(3) APPROPRIATE COMMITTEES OF CON-
GRESS.—For purposes of any notice submitted
under this subsection with respect to support de-
scribed in paragraph (1)(A), the appropriate com-
mittees of Congress are—
“(A) the Committees on Armed Services of
the Senate and House of Representatives; and
“(B) any committee with jurisdiction over
the department or agency that receives the sup-
port covered by the notice.”.

Subtitle C—Naval Vessels

SEC. 1021. LIMITATION ON AVAILABILITY OF CERTAIN
FUNDS WITHOUT NAVAL VESSELS PLAN AND
CERTIFICATION.

Section 231(e) of title 10, United States Code, is
amended—
(1) in paragraph (1)—
(A) by striking “Secretary of the Navy”
and inserting “Secretary of Defense”; and
(B) by striking “50 percent” and inserting “25 percent”; and
(2) in paragraph (2)—
(A) by striking “Secretary of the Navy” and inserting “Secretary of Defense”; and
(B) by striking “operation and maintenance, Navy” and inserting “operation and maintenance, Defense-wide”.

SEC. 1022. LIMITATIONS ON USE OF FUNDS IN THE NATIONAL DEFENSE SEALIFT FUND FOR PURCHASE OF FOREIGN CONSTRUCTED VESSELS.

Section 2218(f)(3) of title 10, United States Code, is amended—
(1) in subparagraph (C), by striking “seven” and inserting “nine”; and
(2) in subparagraph (E), by striking “two” and inserting “four”.

SEC. 1023. USE OF NATIONAL SEA-BASED DETERRENCE FUND FOR INCREMENTALLY FUNDED CONTRACTS TO PROVIDE FULL FUNDING FOR COLUMBIA CLASS SUBMARINES.

Section 2218a(h)(1) of title 10, United States Code, is amended by striking “and properly phased installment payments” and inserting “, properly phased installment payments” and inserting “, properly phased installment payments”. 
payments, and full funding for the first two Columbia
class submarines”.

SEC. 1024. PREFERENCE FOR UNITED STATES VESSELS IN
TRANSPORTING SUPPLIES BY SEA.
(a) Preference for United States vessels in
transporting supplies by sea—
(1) In general.—Section 2631 of title 10,
United States Code, is amended to read as follows:
“§ 2631. Preference for United States vessels in trans-
porting supplies by sea
“(a) In general.—Supplies bought for the Army,
Navy, Air Force, or Marine Corps, or for a Defense Agen-
cy, or otherwise transported by the Department of De-
fense, may only be transported by sea in—
“(1) a vessel belonging to the United States; or
“(2) a vessel of the United States (as such term
is defined in section 116 of title 46).
“(b) Waiver and Notification.—(1) The Sec-
retary of Defense may waive the requirement under sub-
section (a) if such a vessel is—
“(A) not available at a fair and reasonable rate
for commercial vessels of the United States; or
“(B) otherwise not available.
“(2) At least once each fiscal year, the Secretary of
Defense shall submit, in writing, to the appropriate con-
gressional committees a notice of any waiver granted under this subsection and the reasons for such waiver.

“(c) Requirements for Reflagging or Repair Work.—(1) In each request for proposals to enter into a time-charter contract for the use of a vessel for the transportation of supplies under this section, the Secretary of Defense shall require that—

“(A) any reflagging or repair work on a vessel for which a proposal is submitted in response to the request for proposals be performed in the United States (including any territory of the United States); and

“(B) any corrective and preventive maintenance or repair work on a vessel under contract pursuant to this section relevant to the purpose of such contract be performed in the United States (including any territory of the United States) for the duration of the contract, to the greatest extent practicable.

“(2) The Secretary of Defense may waive a requirement under paragraph (1) if the Secretary determines that such waiver is critical to the national security of the United States. The Secretary shall immediately submit, in writing, to the appropriate congressional committees a notice of any waiver granted under this paragraph and the reasons for such waiver.
“(3) In this subsection:

“(A) The term ‘reflagging or repair work’ means work performed on a vessel—

“(i) to enable the vessel to meet applicable standards to become a vessel of the United States; or

“(ii) to convert the vessel to a more useful military configuration.

“(B) The term ‘corrective and preventive maintenance or repair’ means—

“(i) maintenance or repair actions performed as a result of a failure in order to return or restore equipment to acceptable performance levels; and

“(ii) scheduled maintenance or repair actions to prevent or discover functional failures.

“(d) COMPLIANCE.—The Secretary of Defense shall ensure that contracting officers of the Department of Defense award contracts under this section to responsible offerors and monitor and ensure compliance with the requirements of this section. The Secretary shall—

“(1) ensure that timely, accurate, and complete information on contractor performance under this section is included in any contractor past performance database used by an executive agency; and
“(2) exercise appropriate contractual rights and remedies against contractors who fail to comply with this section, or subchapter I of chapter 553 of title 46 as determined by the Secretary of Transportation under such subchapter, including by—

“(A) determining that a contractor is ineligible for an award of such a contract; or

“(B) terminating such a contract or suspension or debarment of the contractor for such contract.

“(e) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term ‘appropriate congressional committees’ means—

“(1) the Committees on Armed Services of the Senate and the House of Representatives;

“(2) the Committee on Transportation and Infrastructure of the House of Representatives; and

“(3) the Committee on Commerce, Science, and Transportation of the Senate.”.

(2) CLERICAL AMENDMENT.—The table of contents for chapter 157 of title 10, United States Code, is amended by amending the item relating to section 2361 to read as follows:

“2361. Preference for United States vessels in transporting supplies by sea.”.

(b) AMENDMENTS TO TITLE 46, UNITED STATES CODE.—
(1) Transfer of provision relating to priority loading for coal.—

(A) In general.—Section 55301 of title 46, United States Code, is redesignated as section 55123 of such title, transferred to appear after section 55122 of such title, and amended so that the enumerator, section heading, typeface, and typestyle conform to those appearing in other sections in such title.

(B) Conforming amendments.—

(i) The analysis for subchapter I of chapter 553 of title 46, United States Code, is amended by striking the item relating to section 55301.

(ii) The analysis for chapter 551 of title 46, United States Code, is amended by inserting after the item relating to section 55122 the following new item:

“55123. Priority loading for coal.”.

(2) Amendment to subchapter heading.—

The heading of subchapter I of chapter 553 of title 46, United States Code, is amended to read as follows:

“Subchapter I—Government Impelled Transportation”.
SEC. 1025. RESTRICTIONS ON OVERHAUL, REPAIR, ETC. OF NAVAL VESSELS IN FOREIGN SHIPYARDS.

(a) Exception for Damage Repair Due to Hostile Actions or Interventions.—Section 8680(a) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking “, other than in the case of voyage repairs”; and

(2) by adding at the end the following new paragraph:

“(3) Notwithstanding paragraph (1), a naval vessel described in paragraph (1) may be repaired in a shipyard outside the United States or Guam if the repairs are—

“(A) voyage repairs; or

“(B) necessary to correct damage sustained due to hostile actions or interventions.”.

(b) Limited Authority to Use Foreign Workers.—Section 8680(a)(2)(B)(i) of title 10, United States Code, is amended—

(1) by inserting “(I)” after “(i)”; and

(2) by adding at the end the following new subclauses:

“(II) Notwithstanding subclause (I), foreign workers may be used to perform corrective and preventive maintenance or repair on a vessel as described in subparagraph (A) only if the Secretary of the Navy determines that travel by United States Government personnel or United
States contractor personnel to perform the corrective or preventive maintenance or repair is not advisable for health or safety reasons. The Secretary of the Navy may not delegate the authority to make a determination under this subclause.

“(III) Not later than 30 days after making a determination under subclause (II), the Secretary of the Navy shall submit to the congressional defense committees written notification of the determination. The notification shall include the reasons why travel by United States personnel is not advisable for health or safety reasons, the location where the corrective and preventive maintenance or repair will be performed, and the approximate duration of the corrective and preventive maintenance or repair.”.

(c) Technical Correction.—Section 8680(a)(2)(C)(ii) of title 10, United States Code, is amended by striking the period after “means—”.

SEC. 1026. BIANNUAL REPORT ON SHIPBUILDER TRAINING AND THE DEFENSE INDUSTRIAL BASE.

(a) In General.—Chapter 863 of title 10, United States Code, is amended by adding at the end the following new section:
§ 8692. Biannual report on shipbuilder training and the defense industrial base

Not later than February 1 of each even-numbered year until 2026, the Secretary of Defense, in coordination with the Secretary of Labor, shall submit to the Committee on Armed Services and the Committee on Health, Education, Labor, and Pensions of the Senate and the Committee on Armed Services and the Committee on Education and Labor of the House of Representatives a report on shipbuilder training and hiring requirements necessary to achieve the Navy’s 30-year shipbuilding plan and to maintain the shipbuilding readiness of the defense industrial base. Each such report shall include each of the following:

“(1) An analysis and estimate of the time and investment required for new shipbuilders to gain proficiency in particular shipbuilding occupational specialties, including detailed information about the occupational specialty requirements necessary for construction of naval surface ship and submarine classes to be included in the Navy’s 30-year shipbuilding plan.

“(2) An analysis of the age demographics and occupational experience level (measured in years of experience) of the shipbuilding defense industrial workforce.
“(3) An analysis of the potential time and investment challenges associated with developing and retaining shipbuilding skills in organizations that lack intermediate levels of shipbuilding experience.

“(4) Recommendations concerning how to address shipbuilder training during periods of demographic transition and evolving naval fleet architecture consistent with the Navy’s 2020 Integrated Force Structure Assessment.

“(5) An analysis of whether emerging technologies, such as augmented reality, may aid in new shipbuilder training.

“(6) Recommendations concerning how to encourage young adults to enter the defense shipbuilding industry and to develop the skills necessary to support the shipbuilding defense industrial base.”.

(b) Clerical Amendment.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“8692. Biannual report on shipbuilder training and the defense industrial base.”.

SEC. 1027. PROHIBITION ON USE OF FUNDS FOR RETIREMENT OF CERTAIN LITTORAL COMBAT SHIPS.

(a) Prohibition.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Navy may be obligated or ex-
pended to retire or prepare for the retirement, transfer, or placement in storage any ships designated as LCS-3 or LCS-4 until the date on which the Secretary of the Navy submits the certification required under subsection (b).

(b) CERTIFICATION.—Upon the completion of all operational tests on each of the mission modules designed for the Littoral Combat Ship, the Secretary of the Navy shall submit to the congressional defense committees certification of such completion.

SEC. 1028. REPORT ON IMPLEMENTATION OF COMMANDANT’S PLANNING GUIDANCE.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the implementation of the Commandant’s Planning Guidance. Such report shall include a detailed description of each of the following:

(1) The specific number and type of manned littoral ships required to execute such Guidance.

(2) The role of long-range unmanned surface vessels in the execution of such Guidance.

(3) How platforms referred to in paragraphs (1) and (2) account for and interact with ground-
based missiles fielded by teams of Marines deployed throughout the Indo-Pacific region.

(4) The integrated naval command and control architecture required to support the platforms referred to in paragraphs (1) and (2);

(5) The projected cost and any additional resources required to deliver the platforms referred to in paragraph (1) and (2) by not later than five years after the date of the enactment of this Act.

(b) FORM OF REPORT.—The report required under this section shall be submitted in unclassified form, but may contain a classified annex. The unclassified report shall be made publicly available.

SEC. 1029. LIMITATION ON NAVAL FORCE STRUCTURE CHANGES.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Navy may be obligated or expended to retire, or to prepare for the retirement, transfer, or placement in storage of, any Department of the Navy ship until the date that is 30 days after the date on which Secretary of Defense submits to the congressional defense committees the 2020 Naval Integrated Force Structure Assessment.
Subtitle D—Counterterrorism

SEC. 1031. PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO CERTAIN COUNTRIES.

No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2021, to transfer, release, or assist in the transfer or release of any individual detained in the custody or under the control of the Department of Defense at United States Naval Station, Guantanamo Bay, Cuba, to the custody or control of any country, or any entity within such country, as follows:

(1) Libya.
(2) Somalia.
(3) Syria.
(4) Yemen.

Subtitle E—Miscellaneous Authorities and Limitations

SEC. 1041. SUPPORT OF SPECIAL OPERATIONS TO COMBAT TERRORISM.

Section 127e of title 10, United States Code, is amended—
(1) by striking subsection (c) and inserting the following new subsection (c):

“(c) PROCEDURES.—

“(1) IN GENERAL.—The authority in this section shall be exercised in accordance with such procedures as the Secretary shall establish for purposes of this section. The Secretary shall notify the congressional defense committees of any material change to such procedures.

“(2) ELEMENTS.—The procedures required under paragraph (1) shall establish, at a minimum, each of the following:

“(A) Policy, strategy, or other guidance for the execution of, and constraints within, activities conducted under this section.

“(B) The processes through which activities conducted under this section are to be developed, validated, and coordinated, as appropriate, with relevant Federal entities.

“(C) The processes through which legal reviews and determinations are made to comply with this section and ensure that the exercise of authority under this section is consistent with the national security of the United States.
“(3) NOTICE TO CONGRESS.—The Secretary shall provide to the congressional defense committees a notice of the procedures established pursuant to this section before any exercise of the authority in this section, and shall notify such committees of any material change of the procedures.”;

(2) in subsection (d)—

(A) in the subsection heading, by inserting “OF INITIATION OF SUPPORT OF AN APPROVED MILITARY OPERATION” after “NOTIFICATION”; and

(B) in paragraph (1), by striking “15” and inserting “30”;

(3) by redesignating subsections (e) through (h) as subsections (f) through (i), respectively;

(4) by inserting after subsection (d) the following new subsection (e):

“(e) NOTIFICATION OF MODIFICATION OR TERMINATION OF SUPPORT OF AN APPROVED MILITARY OPERATION.—

“(1) IN GENERAL.—Except as provided in paragraph (2), the Secretary shall provide to the congressional defense committees notice in writing by not later that—
“(A) 15 days before exercising the authority under this section to modify the support of an approved military operation;

“(B) 30 days before exercising the authority under this section to terminate the support of an approved military operation; or

“(C) as applicable, 30 days before exercising any other authority under which the Secretary engages or plans to engage with foreign forces, irregular forces, groups, or individuals.

“(2) EXTRAORDINARY CIRCUMSTANCES.—If the Secretary finds the existence of extraordinary circumstances affecting the national security of the United States, the Secretary shall provide the notice required under paragraph (1) not later than 48 hours before exercising authority referred to in subparagraph (A) or (B) of such paragraph.

“(3) ELEMENTS.—Notice provided under paragraph (1) with respect to the modification or termination of support shall includes each of the following elements:

“(A) A description of the reasons for the modification or termination.
“(B) A description of the potential effects of the modification or termination of support on the forces providing the support.

“(C) A plan for the modification or termination of the support, including the consideration of the transition of such support from one fiscal authority to another.

“(D) A list of any relevant entities of the United States Government that are or will be involved in the modification or termination of such support, including any planned transition of such support from one Government entity to another.”;

(5) in subsection (i)(3), as redesignated by paragraph (3)—

(A) by redesignating subparagraphs (G) and (H) as subparagraphs (H) and (I), respectively; and

(B) by inserting after subparagraph (F) the following new subparagraph (G):

“(G) If there is a plan to modify or terminate the support to military operations to combat terrorism in any way, a detailed description of the plan, including—
“(i) a description of the reasons for the modification or termination;

“(ii) the potential effects of the modification or termination of support on the forces providing the support;

“(iii) a detailed plan for the modification or termination of the support; and

“(iv) a list of any relevant Government entities that are or will be involved in the modification or termination of such support, including any planned transition of such support from one Government entity to another.”; and

(6) by adding at the end the following new subsection:

“(j) MODIFICATION DEFINED.—In this section, the term ‘modification’, with respect to support provided for an approved military operation, means—

“(1) an increase or decrease in funding of more than $750,000 or change greater than 40 percent of the material resources provided;

“(2) an increase or decrease in the amount or type of equipment that significantly alters the use of or risk to foreign forces, irregular forces, groups, or United States special operations forces; or
“(3) a change in the legal or operational authorities.”.

SEC. 1042. PROHIBITION ON RETIREMENT OF NUCLEAR POWERED AIRCRAFT CARRIERS BEFORE FIRST REFUELING.

Section 8062 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(f) A nuclear powered aircraft carrier may not be retired before its first refueling.”.

SEC. 1043. REQUIRED MINIMUM INVENTORY OF TACTICAL AIRLIFT AIRCRAFT.

Section 9062 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(k) The Secretary of the Air Force shall maintain a total inventory of tactical airlift aircraft of not less than 292 aircraft.”.

SEC. 1044. MODIFICATION AND TECHNICAL CORRECTION TO DEPARTMENT OF DEFENSE AUTHORITY TO PROVIDE ASSISTANCE ALONG THE SOUTHERN LAND BORDER OF THE UNITED STATES.

(a) Authority.—Subsection (a) of section 1059 of the National Defense Authorization Act for Fiscal Year
2016 (Public Law 114–92; 129 Stat. 986; 10 U.S.C. 271 note prec.) is amended to read as follows:

“(a) AUTHORITY.—

“(1) PROVISION OF ASSISTANCE.—

“(A) IN GENERAL.—The Secretary of Defense may provide assistance to United States Customs and Border Protection for purposes of increasing ongoing efforts to secure the southern land border of the United States in accordance with the requirements of this section.

“(B) REQUIREMENTS.—If the Secretary provides assistance under subparagraph (A), the Secretary shall ensure that—

“(i) the provision of the assistance will not negatively affect military training, operations, readiness, or other military requirements; and

“(ii) the tasks associated with the support provided align with the mission or occupational specialty of any members of the Armed Forces, including members of the reserve components, or units of the Armed Forces, including the reserve components, that are deployed.
“(2) NOTIFICATION REQUIREMENT.—Not later than 5 days after the date on which the Secretary decides to provide assistance under paragraph (1), the Secretary shall submit to the Committee on Armed Services of the Senate and the Committee on Armed Services and the Committee on Homeland Security of the House of Representatives notice of such decision.”.

(b) REPORTING REQUIREMENTS.—Subsection (f) of such section is amended to read as follows:

“(f) REPORTS.—

“(1) REPORT REQUIRED.—Any time assistance is provided under subsection (a), not later than 30 days after the date on which such assistance is first provided, and every three months thereafter during the period while such assistance is provided, the Secretary of Defense, in coordination with the Secretary of Homeland Security, shall submit to the Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Armed Services and the Committee on Homeland Security of the House of Representatives a report that includes, for both the period covered by the report and the total period of the deployment, each of the following:
“(A) A description of the assistance provided.

“(B) A description of the Armed Forces, including the reserve components, deployed as part of such assistance, including an identification of—

“(i) the members of the Armed Forces, including members of the reserve components, deployed, including specific information about unit designation, size of unit, and whether any personnel in the unit deployed under section 12302 of title 10, United States Code;

“(ii) the readiness rating for each of the units deployed, including specific information about any impacts to planned training exercises for any such unit;

“(iii) the projected length of the deployment and any special pay and incentives for which deployed personnel may qualify during the deployment;

“(iv) any specific pre-deployment training provided for such members of the Armed Forces, including members of the reserve components;
“(v) the specific missions and tasks, by location, that are assigned to the members of the Armed Forces, including members of the reserve components, who are so deployed;

“(vi) the life support conditions and associated costs;

“(vii) the locations where units so deployed are conducting their assigned mission, together with a map showing such locations;

“(viii) a description of the rules and additional guidance applicable to the deployment, including the standing rules for the use of force for deployed personnel and the issuance of any weapons and ammunition; and

“(ix) the plan to transition the functions performed by the members of the Armed Forces, including members of the reserve components, to the Department of Homeland Security and Customs Border Protection.

“(C) The sources and amounts of funds expended—
“(i) during the period covered by the report; and

“(ii) during the total period for which such support has been provided.

“(D) The amount of funds obligated—

“(i) during the period covered by the report; and

“(ii) during the total period for which such support has been provided.

“(E) An assessment of the efficacy and cost-effectiveness of such assistance in support of the objectives and strategy of the Secretary of Homeland Security to address the challenges on the southern land border of the United States and recommendations, if any, to enhance the effectiveness of such assistance.

“(2) FORM OF REPORT.—Each report submitted under this subsection shall be submitted in unclassified form and without any designation relating to dissemination control, but may include a classified annex.”.

(c) CLASSIFICATION.—The Law Revision Counsel is directed to place this section in a note following section 284 of title 10, United States Code.
SEC. 1045. BATTLEFIELD AIRBORNE COMMUNICATIONS

NODE CERTIFICATION REQUIREMENT.

(a) LIMITATION.—The Secretary of the Air Force may take no action that would prevent the Air Force from maintaining or operating the fleets of EQ-4 aircraft in the configurations and capabilities in effect on the date of the enactment of this Act, or in improved configurations and capabilities, before the date on which each of the three individual certifications described in subsection (b) have been submitted to the congressional defense committees.

(b) CERTIFICATIONS REQUIRED.—The certifications described in this subsection are the following;

(1) The written certification of the Chairman of the Joint Requirements Oversight Council that the replacement capability for the EQ-4 aircraft will—

(A) be fielded at the same time or before the divestment of the EQ-4 aircraft;

(B) result in equal or greater capability available to the commanders of the combatant commanders; and

(C) not result in less airborne capacity or on-station time available to the commanders of the combatant commands.

(2) The written certification of the Commander of United States Central Command that the replacement capability for the EQ-4 aircraft will not result
in less airborne capacity or on-station time available
for mission taskings that the EQ-4 provides, as of
the date of the enactment of this Act, in the United
States Central Command area of responsibility.

(3) The written certification of the Under Sec-
retary of Defense for Acquisition and Sustainment
that the validated operating and sustainment costs
of the capability developed or fielded to replace an
equivalent capacity the EQ-4 aircraft provides is less
than the validated operating and sustainment costs
for the EQ-4 aircraft on a comparable flight-hour
cost basis.

(c) Calculation of Flight-hour Cost Basis.—
For purposes of calculating the flight-hour cost basis
under subsection (b)(3), the Under Secretary shall include
all costs for—

(1) Unit level manpower;
(2) Unit operations;
(3) maintenance;
(4) sustaining support; and
(5) system improvements.

SEC. 1046. REQUIREMENTS RELATING TO NEWEST GENERA-
TIONS OF PERSONAL PROTECTIVE EQUIP-
MENT.

(a) Reports.—
(1) REPORTS REQUIRED.—Not later than January 31, 2021, each Secretary of a military department shall submit to the congressional defense committees a report on the development and fielding of the newest generations of personal protective equipment to the Armed Forces under the jurisdiction of such Secretary.

(2) ELEMENTS.—Each report under paragraph (1) shall include, for each Armed Force covered by such report, the following:

(A) A description and assessment of the development and fielding of the newest generations of personal protective equipment and auxiliary personal protective equipment to members of such Armed Force, including the following:

(i) The number (aggregated by total number and by sex) of members of such Armed Force issued the Army Soldiers Protective System and the Modular Scalable Vest Generation II body armor as of December 31, 2020.

(ii) The number (aggregated by total number and by sex) of members of such Armed Force issued Marine Corps Plate
Carrier Generation III (PC Gen III) body armor as of that date.

(iii) The number (aggregated by total number and by sex) of members of such Armed Force fitted with legacy personal protective equipment as of that date.

(B) A description and assessment of the barriers, if any, to the development and fielding of such generations of equipment to such members.

(C) A description and assessment of challenges in the development and fielding of such generations of equipment to such members, including cost overruns, contractor delays, and other challenges.

(b) System for Tracking Data on Injuries.—

(1) System required.—

(A) In general.—The Director of the Defense Health Agency (DHA) shall develop and maintain a system for tracking data on injuries among members of the Armed Forces in and during the use of newest generation personal protective equipment.

(B) Scope of system.—The system required by this subsection may, at the election of
the Director, be new for purposes of this sub-
section or within or a modification of an appro-
priate existing system (such as the Defense Oc-
cupational And Environmental Health Readi-
ness System (DOEHR)).

(2) REPORT.—Not later than January 31,
2025, the Director shall submit to Congress a report
on the prevalence among members of the Armed
Forces of preventable injuries attributable to ill-fit-
ting or malfunctioning personal protective equip-
ment.

(c) INCLUSION IN ANNUAL PERIODIC HEALTH AS-
SESSMENTS.—The annual Periodic Health Assessment
(PHA) of members of the Armed Forces undertaken after
the date of the enactment of this Act shall include one
or more questions on whether members incurred an injury
in connection with ill-fitting or malfunctioning personal
protective equipment during the period covered by such
assessment, including the nature of such injury.

SEC. 1047. PROHIBITION ON USE OF FUNDS FOR RETIRE-
MENT OF A-10 AIRCRAFT.

(a) PROHIBITION.—Notwithstanding sections 134
and 135 of the National Defense Authorization Act for
Fiscal Year 2017 (Public Law 114–328), except as pro-
vided in subsection (b), none of the funds authorized to
be appropriated by this Act or otherwise made available for fiscal year 2021 for the Air Force may be obligated or expended to retire, prepare to retire, or place in storage or on backup aircraft inventory status any A-10 aircraft.

(b) Exception.—The limitation under subsection (a) shall not apply to any individual A-10 aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable because of a mishap or other damage or because the aircraft is uneconomical to repair.

SEC. 1048. MANDATORY CRITERIA FOR STRATEGIC BASING DECISIONS.

(a) In General.—The Secretary of the Air Force shall modify Air Force Instruction 10–503 (pertaining to the strategic basing process) to ensure that the process for the selection of a location in the United States for the strategic basing of an aircraft includes the following:

(1) A comparative analysis of the overall community support for the mission among the candidate locations, as indicated by the formal comments received during the public comment period for the environmental impact statement relating to the basing decision and, in a case in which the Secretary selects a final location with less community support compared to other locations as indicated by such anal-
ysis, an explanation of the operational considerations
that formed the basis for such selection.

(2) An analysis of joint and all-domain training
capabilities at each candidate location, separate from
and in addition to the mission criteria developed for
the basing action.

(3) A comparative analysis of the airspace and
training areas available at each candidate location,
separate from and in addition to the mission criteria
developed for the basing action.

(b) REPORT REQUIRED.—Not later than 14 days
after the date on which the Secretary of Defense publicly
announces the preferred and reasonable alternative loca-
tions for the basing of an aircraft as described in sub-
section (a), the Secretary shall submit to the congressional
defense committees a report that includes—

(1) an assessment of each candidate location
that was considered as part of the basing process,
including, with respect to each such location, an
analysis of each of the factors specified in para-
graphs (1) through (3) of such subsection; and

(2) an explanation of how each candidate loca-
tion was scored against such factors, including the
weight assigned to each factor.
SEC. 1049. LIMITATION ON USE OF FUNDS PENDING PUBLIC AVAILABILITY OF TOP-LINE NUMBERS OF DEPLOYED MEMBERS OF THE ARMED FORCES.

(a) LIMITATION.—Of the amounts authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for Operation and Maintenance, Defense-wide, Office of the Secretary of Defense, for Travel of Persons, not more than 75 percent may be obligated or expended until the date on which the Secretary of Defense makes publicly available the top-line numbers of deployed members of the Armed Forces described in subsection (b).

(b) TOP-LINE NUMBERS DESCRIBED.—The top-line numbers of deployed members of the Armed Forces referred to in subsection (a)—

(1) are the numbers required to be made publicly available under section 595 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. 122a note);

(2) shall include all such numbers for fiscal year 2017 and each subsequent fiscal year; and

(3) shall include the number of personnel on temporary duty and the number of personnel deployed in support of contingency operations.

(c) SENSITIVE MILITARY OPERATION.—The requirement under subsection (a) to make the top-line numbers...
of deployed members of the Armed Forces publicly available is not satisfied if the Secretary, in exercising the waiver authority under subsection (b) of section 595 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. 122a note) does not submit the notice and reasons for the waiver determination to Committees of Armed Services of the House of Representatives and the Senate as required under paragraph (2) of such subsection.

SEC. 1050. LIMITATION ON PHYSICAL MOVE, INTEGRATION, REASSIGNMENT, OR SHIFT IN RESPONSIBILITY OF MARINE FORCES NORTHERN COMMAND.

(a) LIMITATION.—The Secretary of Defense may not take any action to execute the physical move, integration, reassignment, or shift in responsibility of the Marine Forces Northern Command before the date that is 60 days after the date on which the Secretary submits the report described in subsection (b).

(b) REPORT.—If the Secretary of Defense plans to take any action to physically move, integrate, reassign, or shift the responsibility of Marine Forces Northern Command, the Secretary shall submit to the congressional defense committees a report on such proposed action that includes each of the following:
(1) An analysis of how the proposed action would be beneficial to military readiness.

(2) A description of how the proposed action would align with the national defense strategy and the supporting strategies for each of the military departments.

(3) A description of the proposed organizational structure change associated with the action and how will it affect the relationship between Marine Forces Northern Command and administrative control responsibilities, operational control responsibilities, and tactical control responsibilities.

(4) The projected cost associated with the proposed action and any projected long-term cost savings.

(5) A detailed description of any requirements for new infrastructure or relocation of equipment and assets associated with the proposed action.

(6) A description of how the proposed action would facilitate total force integration and Marine Corps general officer progression, including with respect to the reserve components.

(e) WAIVER.—The Secretary may waive the limitation under subsection (a) if the Secretary determines such
a waiver is necessary by reason of hostilities or the imminent threat of hostilities.

(d) **APPLICABILITY.**—This section shall apply with respect to any action to execute the physical move, integration, reassignment, or shift in responsibility of the Marine Forces Northern Command that is initiated on or after the date of the enactment of this Act. In the case of such an action that was initiated but not completed before the date of the enactment of this Act, no additional effort may be made to complete such action before the date that is 60 days after the date on which the Secretary submits the report described in subsection (b).

**SEC. 1051. CONDITIONS FOR PERMANENTLY BASING UNITED STATES EQUIPMENT OR ADDITIONAL FORCES IN HOST COUNTRIES WITH AT-RISK VENDORS IN 5G OR 6G NETWORKS.**

(a) **IN GENERAL.**—Prior to basing a major weapon system or additional permanently assigned forces comparable to or larger than a battalion, squadron, or naval combatant for permanent basing to a host country with at-risk 5th generation (5G) or sixth generation (6G) wireless network equipment, software, and services, including supply chain vulnerabilities identified by the Federal Acquisition Security Council, where United States military personnel and their families will be directly connected or
subscribers to networks that include such at-risk equipment, software, and services in their official duties or in the conduct of personal affairs, the Secretary of Defense shall provide a notification to the congressional defense committees that includes a description of—

(1) steps being taken by the host country to mitigate any potential risks to the weapon systems, military units, or personnel, and the Department of Defense’s assessment of those efforts;

(2) steps being taken by the United States Government, separately or in collaboration with the host country, to mitigate any potential risks to the weapon systems, permanently deployed forces, or personnel;

(3) any defense mutual agreements between the host country and the United States intended to allay the costs of risk mitigation posed by the at-risk infrastructure; and

(4) any other matters the Secretary determines to be relevant.

(b) APPLICABILITY.—The conditions in subsection (a) apply to the permanent long-term stationing of equipment and permanently assigned forces, and do not apply to short-term deployments or rotational presence to military installations outside the United States in connection
with exercises, dynamic force employment, contingency operations, or combat operations.

(c) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that contains an assessment of—

(1) the risk to personnel, equipment, and operations of the Department of Defense in host countries posed by the current or intended use by such countries of 5G or 6G telecommunications architecture provided by at-risk vendors; and

(2) measures required to mitigate the risk described in paragraph (1), including the merit and feasibility of the relocation of certain personnel or equipment of the Department to another location without the presence of 5G or 6G telecommunications architecture provided by at-risk vendors.

(d) FORM.—The report required by subsection (c) shall be submitted in a classified form with an unclassified summary.

(e) MAJOR WEAPON SYSTEM DEFINED.—In this section, the term “major weapon system” has the meaning given that term in section 2379(f) of title 10, United States Code.
TITLE XI—CIVILIAN PERSONNEL MATTERS

Subtitle A—General Provisions

SEC. 1101. FAMILY AND MEDICAL LEAVE AMENDMENTS.

(a) In General.—

(1) Paid parental leave for employees of District of Columbia courts and District of Columbia public defender service.—

(A) District of Columbia courts.—

Section 11–1726, District of Columbia Official Code, is amended by adding at the end the following new subsection:

“(d) In carrying out the Family and Medical Leave Act of 1993 (29 U.S.C. 2601 et seq.) with respect to non-judicial employees of the District of Columbia courts, the Joint Committee on Judicial Administration shall, notwithstanding any provision of such Act, establish a paid parental leave program for the leave described in subparagraphs (A) and (B) of section 102(a)(1) of such Act (29 U.S.C. 2612(a)(1)) (relating to leave provided in connection with the birth of a child or the placement of a child for adoption or foster care). In developing the terms and conditions for this program, the Joint Committee may be guided by the terms and conditions applicable to the provision of paid parental leave for employees of the Federal
Government under chapter 63 of title 5, United States Code, and any corresponding regulations.”.

(B) DISTRICT OF COLUMBIA PUBLIC DEFENDER SERVICE.—Section 305 of the District of Columbia Court Reform and Criminal Procedure Act of 1970 (sec. 2–1605, D.C. Official Code) is amended by adding at the end the following new subsection:

“(d) In carrying out the Family and Medical Leave Act of 1993 (29 U.S.C. 2601 et seq.) with respect to employees of the Service, the Director shall, notwithstanding any provision of such Act, establish a paid parental leave program for the leave described in subparagraphs (A) and (B) of section 102(a)(1) of such Act (29 U.S.C. 2612(a)(1)) (relating to leave provided in connection with the birth of a child or the placement of a child for adoption or foster care). In developing the terms and conditions for this program, the Director may be guided by the terms and conditions applicable to the provision of paid parental leave for employees of the Federal Government under chapter 63 of title 5, United States Code, and any corresponding regulations.”.

(2) CLARIFICATION OF USE OF OTHER LEAVE IN ADDITION TO 12 WEEKS AS FAMILY AND MEDICAL LEAVE.—
(A) Title 5.—Section 6382(a) of title 5, United States Code, as amended by section 7602 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92), is amended—

(i) in paragraph (1), in the matter preceding subparagraph (A), by inserting “(or, in the case of leave that includes leave under subparagraph (A) or (B) of this paragraph, 12 administrative workweeks of leave plus any additional period of leave used under subsection (d)(2)(B)(ii))” after “12 administrative workweeks of leave”; and

(ii) in paragraph (4), by inserting “(or 26 administrative workweeks of leave plus any additional period of leave used under subsection (d)(2)(B)(ii))” after “26 administrative workweeks of leave”.

(B) Congressional Employees.—Section 202(a)(1) of the Congressional Accountability Act of 1995 (2 U.S.C. 1312(a)(1)), as amended by section 7603 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92), is amended—
(i) in the second sentence, by inserting “and in the case of leave that includes leave for such an event, the period of leave to which a covered employee is entitled under section 102(a)(1) of such Act shall be 12 administrative workweeks of leave plus any additional period of leave used under subsection (d)(2)(B) of this section” before the period; and

(ii) by striking the third sentence and inserting the following: “For purposes of applying section 102(a)(4) of such Act, in the case of leave that includes leave under subparagraph (A) or (B) of section 102(a)(1) of such Act, a covered employee is entitled, under paragraphs (1) and (3) of section 102(a) of such Act, to a combined total of 26 workweeks of leave plus any additional period of leave used under subsection (d)(2)(B) of this section.”.

(C) OTHER EMPLOYEES COVERED UNDER THE FAMILY AND MEDICAL LEAVE ACT OF 1993.—Section 102(a) of the Family and Medical Leave Act of 1993 (29 U.S.C. 2611(a)) is amended by adding at the end the following:
“(6) SPECIAL RULES ON PERIOD OF LEAVE.—

With respect to an employee of the Government Accountability Office and an employee of the Library of Congress—

“(A) in the case of leave that includes leave under subparagraph (A) or (B) of paragraph (1), the employee shall be entitled to 12 administrative workweeks of leave plus any additional period of leave used under subsection (d)(3)(B)(ii) of this section or section 202(d)(2)(B) of the Congressional Accountability Act of 1995 (2 U.S.C. 1312(d)(2)(B)), as the case may be; and

“(B) for purposes of paragraph (4), the employee is entitled, under paragraphs (1) and (3), to a combined total of 26 workweeks of leave plus, if applicable, any additional period of leave used under subsection (d)(3)(B)(ii) of this section or section 202(d)(2)(B) of the Congressional Accountability Act of 1995 (2 U.S.C. 1312(d)(2)(B)), as the case may be.”.

(3) APPLICABILITY.—The amendments made by this subsection shall not be effective with respect to any birth or placement occurring before October 1, 2020.
(b) PAID PARENTAL LEAVE FOR PRESIDENTIAL EMPLOYEES.—

(1) AMENDMENTS TO CHAPTER 5 OF TITLE 3, UNITED STATES CODE.—Section 412 of title 3, United States Code, is amended—

(A) in subsection (a)(1), by adding at the end the following: “In applying section 102 of such Act with respect to leave for an event described in subsection (a)(1)(A) or (B) of such section to covered employees, subsection (c) of this section shall apply and in the case of leave that includes leave for such an event, the period of leave to which a covered employee is entitled under section 102(a)(1) of such Act shall be 12 administrative workweeks of leave plus any additional period of leave used under subsection (c)(2)(B) of this section. For purposes of applying section 102(a)(4) of such Act, in the case of leave that includes leave under subparagraph (A) or (B) of section 102(a)(1) of such Act, a covered employee is entitled, under paragraphs (1) and (3) of section 102(a) of such Act, to a combined total of 26 workweeks of leave plus any additional period of leave used under subsection (c)(2)(B) of this section.”;
(B) by redesignating subsections (c) and
d as subsections (d) and (e), respectively;
(C) by inserting after subsection (b) the
following:

“(c) Special Rule for Paid Parental Leave.—

“(1) Substitution of paid leave.—A cov-
ered employee may elect to substitute for any leave
without pay under subparagraph (A) or (B) of sec-
tion 102(a)(1) of the Family and Medical Leave Act
of 1993 (29 U.S.C. 2612(a)(1)) any paid leave
which is available to such employee for that purpose.

“(2) Amount of paid leave.—The paid leave
that is available to a covered employee for purposes
of paragraph (1) is—

“(A) the number of weeks of paid parental
leave in connection with the birth or placement
involved that corresponds to the number of ad-
ministrative workweeks of paid parental leave
available to employees under section
6382(d)(2)(B)(i) of title 5, United States Code;
and

“(B) during the 12-month period referred
to in section 102(a)(1) of the Family and Med-
and in addition to the administrative workweeks
described in subparagraph (A), any additional paid vacation, personal, family, medical, or sick leave provided by the employing office to such employee.

“(3) LIMITATION.—Nothing in this section or section 102(d)(2)(A) of the Family and Medical Leave Act of 1993 (29 U.S.C. 2612(d)(2)(A)) shall be considered to require or permit an employing office to require that an employee first use all or any portion of the leave described in paragraph (2)(B) before being allowed to use the paid parental leave described in paragraph (2)(A).

“(4) ADDITIONAL RULES.—Paid parental leave under paragraph (2)(A)—

“(A) shall be payable from any appropriation or fund available for salaries or expenses for positions within the employing office;

“(B) if not used by the covered employee before the end of the 12-month period (as referred to in section 102(a)(1) of the Family and Medical Leave Act of 1993 (29 U.S.C. 2612(a)(1))) to which it relates, shall not accumulate for any subsequent use; and

“(C) shall apply without regard to the limitations in subparagraph (E), (F), or (G) of sec-
tion 6382(d)(2) of title 5, United States Code, or section 104(c)(2) of the Family and Medical Leave Act of 1993 (29 U.S.C. 2614(c)(2)).

and

(D) in subsection (e)(1), as so redesignated, by striking “subsection (c)” and inserting “subsection (d)”.

(2) APPLICABILITY.—The amendments made by this subsection shall not be effective with respect to any birth or placement occurring before October 1, 2020.

(c) FAA AND TSA.—

(1) FAA.—

(A) IN GENERAL.—Paragraph (3) of section 102(d) of the Family and Medical Leave Act of 1993 (29 U.S.C. 2612(d)(3)), as added by section 7604 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92), is amended—

(i) in the paragraph heading, by inserting “AND FEDERAL AVIATION ADMINISTRATION” after “GAO”;

(ii) in subparagraphs (A) and (B), by striking “the Government Accountability Office” in each instance and inserting “the
Government Accountability Office or the
Federal Aviation Administration”; and

(iii) in subparagraph (D)(i), by strik-
ing “the Government Accountability Of-
face” and inserting “the Government Ac-
countability Office or the Federal Aviation
Administration (as the case may be)”.

(B) APPLICABILITY.—The amendments
made by subparagraph (A) shall not be effective
with respect to any birth or placement occur-
ing before October 1, 2020.

(2) CORRECTIONS FOR TSA SCREENERS.—Sec-
tion 7606 of the National Defense Authorization Act
for Fiscal Year 2020 (Public Law 116–92) is
amended—

(A) by striking “Section 111(d)(2)” and
inserting the following:

“(a) IN GENERAL.—Section 111(d)(2)”; and

(B) by adding at the end the following:

“(b) EFFECTIVE DATE; APPLICATION.—

“(1) IN GENERAL.—The amendment made by
subsection (a) shall not be effective with respect to
any event for which leave may be taken under sub-
chapter V of chapter 63 of title 5, United States
Code, occurring before October 1, 2020.
“(2) APPLICATION TO SERVICE REQUIREMENT FOR ELIGIBILITY.—For purposes of applying the period of service requirement under subparagraph (B) of section 6381(1) to an individual appointed under section 111(d)(1) of the Aviation and Transportation Security Act (49 U.S.C. 44935 note), the amendment made by subsection (a) of this section shall apply with respect to any period of service by the individual under such an appointment, including service before the effective date of such amendment.”.

(d) TITLE 38 EMPLOYEES.—

(1) IN GENERAL.—Section 7425 of title 38, United States Code, is amended—

   (A) in subsection (b), by striking “Notwithstanding” and inserting “Except as provided in subsection (c), and notwithstanding”;

   and

   (B) by adding at the end the following:

   “(c) Notwithstanding any other provision of this subchapter, the Administration shall provide to individuals appointed to any position described in section 7421(b) who are employed by the Administration family and medical leave in the same manner, to the maximum extent practicable, as family and medical leave is provided under sub-
chapter V of chapter 63 of title 5 to employees, as defined in section 6381(1) of such title.”.

(2) APPLICABILITY.—The amendments made by paragraph (1) shall not be effective with respect to any event for which leave may be taken under subchapter V of chapter 63 of title 5, United States Code, occurring before October 1, 2020.

(e) ARTICLE I JUDGES.—

(1) BANKRUPTCY JUDGES.—Section 153(d) of title 28, United States Code, is amended—

(A) by striking “A bankruptcy judge” and inserting “(1) Except as provided in paragraph (2), a bankruptcy judge”; and

(B) by adding at the end the following:

“(2) The provisions of subchapter V of chapter 63 of title 5 shall apply to a bankruptcy judge as if the bankruptcy judge were an employee (within the meaning of subparagraph (A) of section 6381(1) of such title).”.

(2) MAGISTRATE JUDGES.—Section 631(k) of title 28, United States Code, is amended—

(A) by striking “A United States magistrate judge” and inserting “(1) Except as provided in paragraph (2), a United States magistrate judge”; and

(B) by adding at the end the following:
“(2) The provisions of subchapter V of chapter 63 of title 5 shall apply to a United States magistrate judge as if the United States magistrate judge were an employee (within the meaning of subparagraph (A) of section 6381(1) of such title).”.

(3) Applicability.—The amendments made by this subsection shall not be effective with respect to any birth or placement occurring before October 1, 2020.

(f) Technical Corrections.—

(1) Section 7605 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended by striking “on active duty” each place it appears and inserting “on covered active duty”.

(2) Subparagraph (E) of section 6382(d)(2) of title 5, United States Code, as added by section 7602 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92), is amended by striking “the requirement to complete” and all that follows and inserting “the service requirement under subparagraph (B) of section 6381(1).”.

(3) Section 202(d)(2)(B) of the Congressional Accountability Act of 1995 (2 U.S.C. 1312(d)(2)(B)), as amended by section 7603 of the

(g) EFFECTIVE DATE.—The amendments made by this section shall take effect as if enacted immediately after the enactment of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92).

SEC. 1102. LIMITATION ON AUTHORITY TO EXCLUDE EMPLOYEES FROM CHAPTER 71 OF TITLE 5.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Department of Defense may be used to carry out the authority provided under section 7103(b) of title 5, United States Code, to exclude the Department of Defense or any agency or subdivision thereof from coverage under chapter 71 of such title.

SEC. 1103. AUTHORITY TO PROVIDE TRAVEL AND TRANSPORTATION ALLOWANCES IN CONNECTION WITH TRANSFER CEREMONIES OF DEPARTMENT OF DEFENSE AND COAST GUARD CIVILIAN EMPLOYEES WHO DIE OVERSEAS.

(a) TRAVEL AND TRANSPORTATION ALLOWANCES.—

(1) IN GENERAL.—Subchapter II of chapter 75 of title 10, United States Code, is amended by adding at the end the following new section:
§ 1492. Authority to provide travel and transportation allowances in connection with transfer ceremonies of department of defense and coast guard civilian employees who die overseas

“The Secretary of the military department concerned, the agency head of a Defense Agency or Department of Defense Field Activity, or the Secretary of Homeland Security, as appropriate, may provide round trip travel and transportation allowances in connection with ceremonies for the transfer of a Department of Defense or Coast Guard civilian employee who dies while located or serving overseas to eligible relatives and provide for the accompaniment of such persons to the same extent as the Secretary of Defense may provide such travel and transportation allowances and accompaniment services to such persons with respect to a deceased service member under chapter 8 of title 37.”.

(2) Clerical Amendment.—The table of contents at the beginning of such subchapter is amended by adding at the end the following new item:

“1492. Authority to provide travel and transportation allowances in connection with transfer ceremonies of department of defense and coast guard civilian employees who die overseas.”.

(b) Technical Amendments.—Section 481f(d) of title 37, United States Code, is amended—
(1) in the subsection heading, by striking “TRANSPORTATION TO” and inserting “TRAVEL AND TRANSPORTATION ALLOWANCES IN CONNECTION WITH”; and

(2) in paragraph (1) in the matter preceding subparagraph (A), by striking “transportation to” and inserting “travel and transportation allowances in connection with”.

SEC. 1104. ONE-YEAR EXTENSION OF AUTHORITY TO WAIVE ANNUAL LIMITATION ON PREMIUM PAY AND AGGREGATE LIMITATION ON PAY FOR FEDERAL CIVILIAN EMPLOYEES WORKING OVERSEAS.


2
SEC. 1105. ONE-YEAR EXTENSION OF TEMPORARY AUTHORITY TO GRANT ALLOWANCES, BENEFITS, AND GRATUITIES TO CIVILIAN PERSONNEL ON OFFICIAL DUTY IN A COMBAT ZONE.


SEC. 1106. LIMITING THE NUMBER OF LOCAL WAGE AREAS DEFINED WITHIN A PAY LOCALITY.

(a) LOCAL WAGE AREA LIMITATION.—Section 5343(a) of title 5, United States Code, is amended—

(1) in paragraph (1)(B)(i), by striking “(but such” and all that follows through “are employed)”; 

(2) in paragraph (4), by striking “and” after the semicolon; 

(3) in paragraph (5), by striking the period at the end and inserting “; and”; and 

(4) by adding at the end of the following:
“(6) the Office of Personnel Management may define not more than 1 local wage area within a pay locality, except that this paragraph shall not apply to the pay locality designated as ‘Rest of United States’.”.

(b) PAY LOCALITY DEFINED.—Section 5342(a) of title 5, United States Code, is amended—

(1) in paragraph (2)(C), by striking “and” at the end;

(2) in paragraph (3), by striking the period at the end and inserting “; and”; and

(3) by adding at the end the following:

“(4) ‘pay locality’ has the meaning given that term under section 5302(5).”.

(c) REGULATIONS.—The Director of the Office of Personnel Management shall prescribe any regulations necessary to carry out this section and the amendments made by this section, including regulations to ensure that this section and the amendments made by this section shall not have the effect of reducing any rate of basic pay payable to any individual who is serving as a prevailing rate employee (as defined under section 5342(a)(2) of title 5, United States Code).
(d) Effective Date.—This section and the amendments made by this section shall apply with respect to fiscal year 2022 and each fiscal year thereafter.

SEC. 1107. CIVILIAN FACULTY AT THE DEFENSE SECURITY COOPERATION UNIVERSITY AND INSTITUTE OF SECURITY GOVERNANCE.

Section 1595(c) of title 10, United States Code, is amended by adding at the end the following:

“(6) The Defense Security Cooperation University.

“(7) The Defense Institute for Security Governance.”.

SEC. 1108. EXPANSION OF AUTHORITY FOR APPOINTMENT OF RECENTLY-RETIRED MEMBERS OF THE ARMED FORCES TO POSITIONS AT CERTAIN INDUSTRIAL BASE FACILITIES.

(a) In General.—Subsection (b) of section 3326 of title 5, United States Code, is amended—

(1) in paragraph (1), by striking “or” at the end;

(2) in paragraph (2), by striking the period at the end and inserting “; or”; and

(3) by adding at the end the following:

“(3) the proposed appointment is to a position in the competitive service—
“(A) at any industrial base facility (as that term is defined in section 2208(u)(3) of title 10) that is part of the core logistics capabilities (as described in section 2464(a) of such title); and

“(B) that has been certified by the Secretary concerned as lacking sufficient numbers of qualified applicants.”.

(b) LIMITATION ON DELEGATION OF CERTIFICATION AUTHORITY.—Such section 3326 is further amended by adding at the end the following:

“(d) The authority to make a certification described in subsection (b)(3) may not be delegated to an individual with a grade lower than colonel, or captain in the Navy, or an inriviaul with an equivalent civilian grade.”.

(e) SENSE OF CONGRESS.—It is the sense of Congress that the amendments made by subsections (a) and (b) shall supplement, and not provide any exception to, the competitive hiring process for the Federal civil service.

SEC. 1109. FIRE FIGHTERS ALTERNATIVE WORK SCHEDULE DEMONSTRATION PROJECT.

(a) IN GENERAL.—Not later than 180 days after the date of enactment of this Act, the Commander, Navy Region Mid-Atlantic, shall establish and carry out, for a period of not less than 5 years, a Fire Fighters Alternative
Work Schedule demonstration project for the Navy Region Mid-Atlantic Fire and Emergency Services. Such demonstration project shall provide, with respect to each Services employee, that—

(1) assignments to tours of duty are scheduled in advance over periods of not less than two weeks;

(2) tours of duty are scheduled using a regularly recurring pattern of 48-hour shifts followed by 48 or 72 consecutive non-work hours, as determined by mutual agreement between the Navy Region Mid-Atlantic and the exclusive employee representative at each Navy Region Mid-Atlantic Installation, in such a manner that each employee is regularly scheduled for 144-hours in any two-week period;

(3) for any such employee that is a fire fighter working an alternative work schedule, such employee shall earn overtime compensation in a manner consistent with other applicable law and regulation;

(4) no right shall be established to any form of premium pay, including night, Sunday, holiday, or hazard duty pay; and

(5) leave accrual and use shall be consistent with other applicable law and regulation.

(b) REPORT.—Not later than 180 days following the end of such demonstration project, the Commander, Navy
Region Mid-Atlantic, shall submit a report to the Committees on Armed Services of the House of Representatives and the Senate detailing—

(1) any financial savings or expenses directly and inseparably linked to the demonstration project;

(2) any intangible quality of life and morale improvements achieved by the demonstration project; and

(3) any adverse impact of the demonstration project occurring solely as the result of the transition to the demonstration project.

SEC. 1110. SPECIAL RULES FOR CERTAIN MONTHLY WORKERS' COMPENSATION PAYMENTS AND OTHER PAYMENTS FOR FEDERAL GOVERNMENT PERSONNEL UNDER CHIEF OF MISSION AUTHORITY.

Section 901 of title IX of division J of the Further Consolidated Appropriations Act, 2020 (Public Law 116–94; 22 U.S.C. 2680b) is amended—

(1) in subsection (a), by inserting “or the head of any other Federal agency” after “The Secretary of State”;

(2) in subsection (e)(2)—

(A) by striking “the Department of State” and inserting “the Federal Government”; and
(B) by inserting after “subsection (f)” the following: “, but does not include an individual receiving compensation under section 19A of the Central Intelligence Agency Act of 1949 (50 U.S.C. 3519b)”;
and
(3) in subsection (h)(2), by striking the first sentence and inserting the following: “Nothing in this section shall limit, modify, or otherwise supersede chapter 81 of title 5, United States Code, the Defense Base Act (42 U.S.C. 1651 et seq.), or section 19A of the Central Intelligence Agency Act of 1949 (50 U.S.C. 3519b)”.

Subtitle B—Elijah E. Cummings
Federal Employee Antidiscrimination Act of 2020

SEC. 1121. SHORT TITLE.

This subtitle may be cited as the “Elijah E. Cummings Federal Employee Antidiscrimination Act of 2020”.

SEC. 1122. SENSE OF CONGRESS.

Section 102 of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended—

(1) by striking paragraph (4) and inserting the following:
“(4) accountability in the enforcement of the rights of Federal employees is furthered when Federal agencies agree to take appropriate disciplinary action against Federal employees who are found to have intentionally committed discriminatory (including retaliatory) acts;”; and

(2) in paragraph (5)(A)—

(A) by striking “nor is accountability” and inserting “accountability is not”; and

(B) by inserting “for what, by law, the agency is responsible” after “under this Act”.

SEC. 1123. NOTIFICATION OF VIOLATION.

Section 202 of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by adding at the end the following:

“(d) NOTIFICATION OF FINAL AGENCY ACTION.—

“(1) IN GENERAL.—Not later than 90 days after the date on which an event described in paragraph (2) occurs with respect to a finding of discrimination (including retaliation), the head of the Federal agency subject to the finding shall provide notice—
“(A) on the public internet website of the agency, in a clear and prominent location linked directly from the home page of that website;

“(B) stating that a finding of discrimination (including retaliation) has been made; and

“(C) which shall remain posted for not less than 1 year.

“(2) EVENTS DESCRIBED.—An event described in this paragraph is any of the following:

“(A) All appeals of a final action by a Federal agency involving a finding of discrimination (including retaliation) prohibited by a provision of law covered by paragraph (1) or (2) of section 201(a) have been exhausted.

“(B) All appeals of a final decision by the Equal Employment Opportunity Commission involving a finding of discrimination (including if the finding included a finding of retaliation) prohibited by a provision of law covered by paragraph (1) or (2) of section 201(a) have been exhausted.

“(C) A court of jurisdiction issues a final judgment involving a finding of discrimination (including retaliation) prohibited by a provision
of law covered by paragraph (1) or (2) of section 201(a).

“(3) CONTENTS.—A notification provided under paragraph (1) with respect to a finding of discrimination (including retaliation) shall—

“(A) identify the date on which the finding was made, the date on which each discriminatory act occurred, and the law violated by each such discriminatory act; and

“(B) advise Federal employees of the rights and protections available under the provisions of law covered by paragraphs (1) and (2) of section 201(a).”.

SEC. 1124. REPORTING REQUIREMENTS.

(a) ELECTRONIC FORMAT REQUIREMENT.—

(1) IN GENERAL.—Section 203(a) of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended in the matter preceding paragraph (1)—

(A) by inserting “Homeland Security and” before “Governmental Affairs”;  

(B) by striking “on Government Reform” and inserting “on Oversight and Reform”; and  

(C) by inserting “(in an electronic format prescribed by the Director of the Office of Per-
sonnel Management),” after “an annual re-
port”.

(2) EFFECTIVE DATE.—The amendment made by paragraph (1)(C) shall take effect on the date that is 1 year after the date of enactment of this Act.

(3) TRANSITION PERIOD.—Notwithstanding the requirements of section 203(a) of the Notification and Federal Employee Antidiscrimination and Retal-
iation Act of 2002 (5 U.S.C. 2301 note), the report required under such section 203(a) may be sub-
mitted in an electronic format, as prescribed by the Director of the Office of Personnel Management, during the period beginning on the date of enact-
ment of this Act and ending on the effective date in paragraph (2).

(b) REPORTING REQUIREMENT FOR DISCIPLINARY ACTION.—Section 203 of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by adding at the end the following:

“(c) DISCIPLINARY ACTION REPORT.—Not later than 120 days after the date on which a Federal agency takes final action, or a Federal agency receives a final de-
cision issued by the Equal Employment Opportunity Com-
mission, involving a finding of discrimination (including retaliation) in violation of a provision of law covered by paragraph (1) or (2) of section 201(a), as applicable, the applicable Federal agency shall submit to the Commission a report stating—

“(1) whether disciplinary action has been proposed against a Federal employee as a result of the violation; and

“(2) the reasons for any disciplinary action proposed under paragraph (1).”.

SEC. 1125. DATA TO BE POSTED BY EMPLOYING FEDERAL AGENCIES.

Section 301(b) of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended—

(1) in paragraph (9)—

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

(B) in subparagraph (B)(ii), by striking the period at the end and inserting “, and”; and

(C) by adding at the end the following:

“(C) with respect to each finding described in subparagraph (A)—

“(i) the date of the finding,
“(ii) the affected Federal agency,

“(iii) the law violated, and

“(iv) whether a decision has been made regarding disciplinary action as a result of the finding.”; and

(2) by adding at the end the following:

“(11) Data regarding each class action complaint filed against the agency alleging discrimination (including retaliation), including—

“(A) information regarding the date on which each complaint was filed,

“(B) a general summary of the allegations alleged in the complaint,

“(C) an estimate of the total number of plaintiffs joined in the complaint, if known,

“(D) the current status of the complaint, including whether the class has been certified, and

“(E) the case numbers for the civil actions in which discrimination (including retaliation) has been found.”.

SEC. 1126. DATA TO BE POSTED BY THE EQUAL EMPLOYMENT OPPORTUNITY COMMISSION.

Section 302(b) of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5
SEC. 1127. NOTIFICATION AND FEDERAL EMPLOYEE ANTIDISCRIMINATION AND RETALIATION ACT OF 2002 AMENDMENTS.

(a) Notification Requirements.—Title II of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by adding at the end the following:

“SEC. 207. COMPLAINT TRACKING.

“Not later than 1 year after the date of enactment of the Elijah E. Cummings Federal Employee Antidiscrimination Act of 2020, each Federal agency shall establish a system to track each complaint of discrimination arising under section 2302(b)(1) of title 5, United States Code, and adjudicated through the Equal Employment Opportunity process from the filing of a complaint with the Federal agency to resolution of the complaint, including whether a decision has been made regarding disciplinary action as the result of a finding of discrimination.

“SEC. 208. NOTATION IN PERSONNEL RECORD.

“If a Federal agency takes an adverse action covered under section 7512 of title 5, United States Code, against a Federal employee for an act of discrimination (including retaliation) prohibited by a provision of law covered by
paragraph (1) or (2) of section 201(a), the agency shall, after all appeals relating to that action have been exhausted, include a notation of the adverse action and the reason for the action in the personnel record of the employee.”.

(b) PROCESSING AND REFERRAL.—The Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended by adding at the end the following:

“TITLE IV—PROCESSING AND REFERRAL

“SEC. 401. PROCESSING AND RESOLUTION OF COMPLAINTS.

“Each Federal agency shall—

“(1) be responsible for the fair and impartial processing and resolution of complaints of employment discrimination (including retaliation) prohibited by a provision of law covered by paragraph (1) or (2) of section 201(a); and

“(2) establish a model Equal Employment Opportunity Program that—

“(A) is not under the control, either structurally or practically, of the agency’s Office of Human Capital or Office of the General Counsel (or the equivalent);
“(B) is devoid of internal conflicts of interest and ensures fairness and inclusiveness within the agency; and

“(C) ensures the efficient and fair resolution of complaints alleging discrimination (including retaliation).

“SEC. 402. NO LIMITATION ON ADVICE OR COUNSEL.

“Nothing in this title shall prevent a Federal agency or a subcomponent of a Federal agency, or the Department of Justice, from providing advice or counsel to employees of that agency (or subcomponent, as applicable) in the resolution of a complaint.

“SEC. 403. HEAD OF PROGRAM SUPERVISED BY HEAD OF AGENCY.

“The head of each Federal agency’s Equal Employment Opportunity Program shall report directly to the head of the agency.

“SEC. 404. REFERRALS OF FINDINGS OF DISCRIMINATION.

“(a) EEOC FINDINGS OF DISCRIMINATION.—

“(1) IN GENERAL.—Not later than 30 days after the date on which the Equal Employment Opportunity Commission (referred to in this section as the ‘Commission’) receives, or should have received, a Federal agency report required under section 203(e), the Commission may refer the matter to
which the report relates to the Office of Special Counsel if the Commission determines that the Federal agency did not take appropriate action with respect to the finding that is the subject of the report.

“(2) NOTIFICATIONS.—The Commission shall—

“(A) notify the applicable Federal agency if the Commission refers a matter to the Office of Special Counsel under paragraph (1); and

“(B) with respect to a fiscal year, include in the Annual Report of the Federal Workforce of the Commission covering that fiscal year—

“(i) the number of referrals made under paragraph (1) during that fiscal year; and

“(ii) a brief summary of each referral described in clause (i).

“(b) REFERRALS TO SPECIAL COUNSEL.—The Office of Special Counsel shall accept and review a referral from the Commission under subsection (a)(1) for purposes of pursuing disciplinary action under the authority of the Office against a Federal employee who commits an act of discrimination (including retaliation).

“(c) NOTIFICATION.—The Office of Special Counsel shall notify the Commission and the applicable Federal agency in a case in which—
“(1) the Office of Special Counsel pursues disciplinary action under subsection (b); and

“(2) the Federal agency imposes some form of disciplinary action against a Federal employee who commits an act of discrimination (including retaliation).

“(d) SPECIAL COUNSEL APPROVAL.—A Federal agency may not take disciplinary action against a Federal employee for an alleged act of discrimination (including retaliation) referred by the Commission under this section, except in accordance with the requirements of section 1214(f) of title 5, United States Code.”.

(e) CONFORMING AMENDMENTS.—The table of contents in section 1(b) of the Notification and Federal Employee Antidiscrimination and Retaliation Act of 2002 (5 U.S.C. 2301 note) is amended—

(1) by inserting after the item relating to section 206 the following:

“Sec. 207. Complaint tracking.
Sec. 208. Notation in personnel record.”; and

(2) by adding at the end the following:

“TITLE IV—PROCESSING AND REFERRAL

Sec. 401. Processing and resolution of complaints.
Sec. 402. No limitation on advice or counsel.
Sec. 403. Head of Program supervised by head of agency.
Sec. 404. Referrals of findings of discrimination.”.
SEC. 1128. NONDISCLOSURE AGREEMENT LIMITATION.

Section 2302(b)(13) of title 5, United States Code, is amended—

(1) by striking “agreement does not” and inserting the following: “agreement—

“(A) does not”;

(2) in subparagraph (A), as so designated, by inserting “or the Office of Special Counsel” after “Inspector General”; and

(3) by adding at the end the following:

“(B) prohibits or restricts an employee or applicant for employment from disclosing to Congress, the Special Counsel, the Inspector General of an agency, or any other agency component responsible for internal investigation or review any information that relates to any violation of any law, rule, or regulation, or mismanagement, a gross waste of funds, an abuse of authority, or a substantial and specific danger to public health or safety, or any other whistleblower protection; or”.
TITLE XII—MATTERS RELATING TO FOREIGN NATIONS
Subtitle A—Assistance and Training

SEC. 1201. MODIFICATION AND EXTENSION OF SUPPORT OF SPECIAL OPERATIONS FOR IRREGULAR WARFARE.

(a) AUTHORITY.—Subsection (a) of section 1202 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1639) is amended—

(1) by striking “$10,000,000” and inserting “$15,000,000”; and

(2) by striking “2023” and inserting “2025”.

(b) NOTIFICATION.—Subsection (d)(2) of such section is amended—

(1) by redesignating subparagraph (E) as subparagraph (G);

(2) by inserting after subparagraph (D) the following:

“(E) A description of steps taken to ensure the support is consistent with other United States diplomatic and security interests, including issues related to local political dynamics, civil-military relations, and human rights.
“(F) A description of steps taken to ensure that the recipients of the support have not and will not engage in human rights violations or violations of the Geneva Conventions of 1949, including vetting, training, and support for adequately investigating allegations of violations and removing support in case of credible reports of violations.”; and

(3) in clause (i) of subparagraph (G), as redesignated, to read as follows:

“(i) An introduction of United States Armed Forces (including as such term is defined in section 8(c) of the War Powers Resolution (50 U.S.C. 1547(c))) into hostilities, or into situations where hostilities are clearly indicated by the circumstances, without specific statutory authorization within the meaning of section 5(b) of such Resolution (50 U.S.C. 1544(b)).”.

(e) CONSTRUCTION OF AUTHORITY.—Subsection (f)(2) of such section is amended by striking “of section 5(b)”.

(d) CLARIFICATION.—Such section, as so amended, is further amended—
(1) by redesignating subsections (g), (h), and (i) as subsections (h), (i), and (j), respectively; and
(2) by inserting after subsection (f) the following:

“(g) CLARIFICATION.—The provision of support to foreign forces, irregular forces, groups, or individuals pursuant to subsection (a) constitutes support to a unit of a foreign security force for purposes of section 362 of title 10, United States Code.”.

SEC. 1202. DEPARTMENT OF DEFENSE PARTICIPATION IN EUROPEAN PROGRAM ON MULTILATERAL EXCHANGE OF SURFACE TRANSPORTATION SERVICES.

(a) IN GENERAL.—Subchapter II of chapter 138 of title 10, United States Code, is amended by adding at the end the following:

“§ 2350o. Participation in European Program on Multilateral Exchange of Surface Transportation Services

“(a) PARTICIPATION AUTHORIZED.—(1) The Secretary of Defense may, with the concurrence of the Secretary of State, authorize the participation of the United States in the Surface Exchange of Services program (in this section referred to as the ‘SEOS program’) of the Movement Coordination Centre Europe.
(2) Participation in the SEOS program under paragraph (1) may include—

(A) the reciprocal exchange or transfer of surface transportation on a reimbursable basis or by replacement-in-kind; or

(B) the exchange of surface transportation services of equal value.

(b) WRITTEN ARRANGEMENTS OR AGREEMENTS.—

(1) The participation of the United States in the SEOS program under subsection (a) shall be in accordance with a written arrangement or agreement entered into by the Secretary of Defense, with the concurrence of the Secretary of State, and the Movement Coordination Centre Europe.

(2) If facilities, equipment, or funds of the Department of Defense are used to support the SEOS program, the written arrangement or agreement entered into under paragraph (1) shall specify the details of any equitable cost sharing or other funding arrangement.

(3) Any written arrangement or agreement entered into under paragraph (1) shall require that any accrued credits and liabilities resulting from an unequal exchange or transfer of surface transportation services shall be liquidated, not less than once every five years, through the SEOS program.
“(c) IMPLEMENTATION.—In carrying out any arrange-ment or agreement entered into under subsection (b)(1), the Secretary of Defense may—

“(1) from funds available to the Department of Defense for operation and maintenance, pay the equitable share of the United States for the operating expenses of the Movement Coordination Centre Europe and the SEOS program; and

“(2) assign members of the armed forces or civilian personnel of the Department of Defense, from among members and personnel within billets authorized for the United States European Command, to duty at the Movement Coordination Centre Europe as necessary to fulfill the obligations of the United States under that arrangement or agreement.

“(d) CREDITING OF RECEIPTS.—Any amount received by the United States as part of the SEOS program shall be credited, at the option of the Secretary of Defense, to—

“(1) the appropriation, fund, or account used in incurring the obligation for which such amount is received; or

“(2) an appropriate appropriation, fund, or account currently available for the purposes for which the expenditures were made.
“(e) Expiration.—The authority provided by this section to participate in the SEOS program shall expire five years after the date on which the Secretary of Defense first enters into a written arrangement or agreement under subsection (b). The Secretary shall publish notice of such date on a public website of the Department of Defense.

“(f) Limitation on Statutory Construction.—Nothing in this section may be construed to authorize the use of foreign sealift in violation of section 2631 of this title.”.

(b) Clerical Amendment.—The table of sections at the beginning of such subchapter is amended by adding at the end the following new item:

“2350o. Participation in European program on multilateral exchange of surface transportation services.”.

SEC. 1203. Extension of Authority to Transfer Excess High Mobility Multipurpose Wheeled Vehicles to Foreign Countries.

Section 1276 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1699) is amended—

(1) in subsection (b)(2)—

(A) in subparagraph (A), by adding at the end the following: “Such description may in-
clude, if applicable, a description of the priority
United States security or defense cooperation
interest with the recipient country that is ful-
filled by the waiver.”; and

(B) by striking subparagraph (B) and in-
serting the following:

“(B) An explanation of why it is in the na-
tional interests of the United States to make
the transfer notwithstanding the requirements
of subsection (a)(1).”; and

(2) in subsection (c)(2), by striking “three” and
inserting “five”.

SEC. 1204. MODIFICATION AND EXTENSION OF UPDATE OF
DEPARTMENT OF DEFENSE FREEDOM OF
NAVIGATION REPORT.

(a) In general.—Subsection (a) of section 1275 of
the National Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328; 130 Stat. 2540) is amend-
ed—

(1) by striking “an annual basis” and inserting
“a biannual basis”; and

(2) by striking “the previous year” and insert-
ing “the previous 6 months”.

(b) Elements.—Subsection (b) of such section is
amended—
(1) in the matter preceding paragraph (1), by striking “the year” and inserting “the period”;

(2) in paragraph (1), by inserting “the number of maritime and overflight challenges to each such claim and” before “the country”;

(3) in paragraph (5), by inserting “have been protested by the United States but” before “have not been challenged”; and

(4) by adding at the end the following:

“(6) A summary of each excessive maritime claim challenged jointly with international partners and allies.”.

(e) FORM.—Subsection (c) of such section is amended by adding at the end before the period the following: “and made publicly available”.

(d) SUNSET.—Subsection (d) of such section is amended by striking “December 31, 2021” and inserting “December 31, 2025”.

(e) CONFORMING AMENDMENT.—The heading of such section is amended by striking “ANNUAL” and inserting “BIANNUAL”.

SEC. 1205. EXTENSION OF REPORT ON WORKFORCE DEVELOPMENT.

Section 1250(b)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328;
130 Stat. 2529) is amended by striking “through 2021” and inserting “through 2026”.

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.

(a) Extension.—Subsection (a) of section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 393) is amended by striking “October 1, 2019, and ending on December 31, 2020” and inserting “October 1, 2020, and ending on December 31, 2021”.

(b) Modification to Limitation.—Subsection (d)(1) of such section is amended—

(1) by striking “October 1, 2019, and ending on December 31, 2020” and inserting “October 1, 2020, and ending on December 31, 2021”; and

(2) by striking “$450,000,000” and inserting “$180,000,000”.

SEC. 1212. EXTENSION OF THE AFGHAN SPECIAL IMMIGRATION VISA PROGRAM.

(a) In General.—Section 602(b)(3)(F) of the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) is amended—

(1) in the heading, by striking “2020” and inserting “2021”;

(2) in clause (i), by striking “December 31, 2021” and inserting “December 31, 2022”; and

(3) in clause (ii), the striking “December 31, 2021” inserting “December 31, 2022”.

(b) Report Extension.—Section 602(b)(13) of such Act (8 U.S.C. 1101 note) is amended by striking “January 31, 2021” and inserting “January 31, 2023”.

SEC. 1213. LIMITATION ON USE OF FUNDS TO REDUCE DEPLOYMENT TO AFGHANISTAN.

(a) Sense of Congress.—It is the sense of Congress that—

(1) it is in the national security interests of the United States to deny terrorists safe haven in Afghanistan, protect the United States homeland, uphold the United States partnership with the Government of Afghanistan and cooperation with the Afghan National Defense and Security Forces, and protect the hard-fought rights of women, girls, and other vulnerable populations in Afghanistan;
(2) a rapid military drawdown and a lack of United States commitment to the security and stability of Afghanistan would undermine diplomatic efforts for peace;

(3) the current agreement between the United States and the Taliban does not provide for the appropriate protections for vulnerable populations, does not create conditions for the rejection of violence and prevention of terrorist safe havens, and does not represent a realistic diplomatic solution, based on verifiable facts and conditions on the ground, that provides for long-term stability; and

(4) the Administration has a constitutional obligation to provide Congress with timely and comprehensive information on the status of security operations and diplomatic efforts in a form that can be transparently communicated to the American people.

(b) LIMITATION.—Until the date on which the Secretary of Defense, in concurrence with each covered official, submits the report described in subsection (c) to the appropriate congressional committees, none of the amounts authorized to be appropriated for fiscal year 2020 or 2021 for the Department of Defense may be obligated or expended for any activity having either of the following effects:
(1) Reducing the total number of Armed Forces deployed to Afghanistan below the lesser of—

(A) 8,000, or

(B) the total number of the Armed Forces deployed as of the date of the enactment of this Act.

(2) Reducing the total number of Armed Forces deployed to Afghanistan below 4,000.

e) REPORT.—The report described in this subsection shall include each of the following:

(1) A certification that the intended withdrawal of the United States Armed Forces in Afghanistan—

(A) will not compromise or otherwise negatively affect the ongoing United States counter-terrorism mission against the Islamic State, al-Qaeda, and associated forces;

(B) will not unduly increase the risk to United States personnel in Afghanistan;

(C) will not increase the risk for the expansion of existing or formation of new terrorist safe havens inside Afghanistan;

(D) will be undertaken with the consultation and coordination of allies supporting the
United States- and North Atlantic Treaty Organization-led missions; and

(E) is in the best interest of United States national security and in furtherance of United States policy toward Afghanistan for achieving an enduring diplomatic solution.

(2) An analysis of the impact that the intended withdrawal of United States Armed Forces from Afghanistan would have on each of the following:

(A) The threat posed by the Taliban and terrorist organizations, including by each covered terrorist organization, to—

(i) the United States homeland;

(ii) United States interests abroad;

(iii) allied countries of the North Atlantic Treaty Organization;

(iv) the Government of Afghanistan;

and

(v) regional peace and security.

(B) The status of the human and civil rights (including access to voting, education, justice, and economic opportunities) of women, girls, people with disabilities, religious and ethnic minorities, and other vulnerable populations in Afghanistan.
(C) Transparent, credible, and inclusive political processes in Afghanistan.

(D) The capacity of the Afghan National Defense and Security Forces to effectively—

(i) prevent or defend against attacks by the Taliban or by terrorist organizations (including by each covered terrorist organization) on civilian populations;

(ii) prevent the takeover of one or more provincial capitals by the Taliban or by associated organizations;

(iii) conduct counterterrorism operations necessary to deny safe harbor to terrorist organizations, including each covered terrorist organization; and

(iv) maintain institutional order and discipline.

(E) The influence of malign state actors on the sovereignty of Afghanistan and the strategic national security interests of the United States in the region.

(F) Any other matter the Secretary of Defense, in concurrence with each covered official, determines appropriate.
(3) An assessment of the manner and extent to which—

(A) state actors have provided any incentives to the Taliban, their affiliates, or other foreign terrorist organizations for attacks against United States, coalition, or Afghan security forces or civilians in Afghanistan in the last 2 years, including the details of any attacks believed to have been connected with such incentives;

(B) the Taliban has publicly renounced al-Qaeda;

(C) the Taliban has made any efforts to break with al-Qaeda since February 29, 2020, and a description of these efforts;

(D) any senior al-Qaeda leaders, including Ayman al-Zawahiri, or any leaders of al-Qaeda in the Indian Subcontinent, have been present in Afghanistan since February 29, 2020, and if so, the names of the leaders, the dates they were present in Afghanistan, and their other locations since February 29, 2020;

(E) any members of al-Qaeda, al-Qaeda in the Indian Subcontinent, al-Qaeda-affiliated
groups, or any covered terrorist organization have, since February 29, 2020—

(i) fought alongside, trained alongside, otherwise operated alongside, or sheltered with the Taliban in Afghanistan;

(ii) conducted attacks inside Afghanistan, and, if so, the dates and locations of such attacks;

(iii) operated training camps or related facilities inside Afghanistan, and, if so, the locations of those camps or facilities;

(iv) traveled from Afghanistan to Pakistan or Iran, or from Pakistan or Iran to Afghanistan;

(v) continued to have ties to any Taliban leaders or members located in Pakistan; or

(vi) continued to work with the Haqqani Network;

(F) any of the prisoners released by the Government of Afghanistan as a result of the February 29, 2020, agreement between the United States and Taliban—
(i) are members of, or have ties to, any covered terrorist organizations or any other organization designated by the United States as a foreign terrorist organization pursuant to section 219 of the Immigration and Nationality Act (8 U.S.C. 1189) and, if so, the names of such former prisoners and the reasons for their detention inside Afghanistan; or

(ii) are suspected of taking part in attacks against American service members or civilians or attacks that caused American casualties and, if so, the names of the prisoners, the date and location of such attacks, and the number of American casualties attributed to such attacks;

(G) any of the prisoners the Taliban has requested for release, but who have not yet been released as of the date of the enactment of this Act, are members of, or have ties to, any covered terrorist organizations or any other organization designated by the United States as a foreign terrorist organization pursuant to section 219 of the Immigration and Nationality Act (8 U.S.C. 1189) and, if so, the names of the pris-
oners and the organizations to which they are affiliated; and

(H) senior Taliban leaders, including members of the Haqqani Network, who are located in Pakistan continue to exercise control over the insurgency in Afghanistan.

(4) The number of attacks that the Taliban has carried out in Afghanistan since February 29, 2020, including the location and date of each attack as well as casualties related to each attack.

(d) FORM.—The report described in subsection (c) shall be submitted in unclassified form without any designation relating to dissemination control, but may contain a classified annex that is accompanied by an unclassified summary of the annex.

(e) WAIVER.—The Secretary of Defense may waive the limitation under subsection (b) if, in consultation with the Chairman of the Joint Chiefs of Staff and the Commander of United States Forces, Afghanistan, the Secretary—

(1) determines that the waiver is—

(A) necessary due to an imminent and extraordinary threat to members of the United States Armed Forces in the Afghanistan; or
(B) vital to the national security interests
of the United States; and

(2) submits to the appropriate congressional
committees a detailed, written justification for such
waiver, not later than 10 days after the effective
date of the waiver; and

(3) in the case of a determination described in
paragraph (1)(A), includes in such justification each
of the following:

(A) A detailed description of the change in
threat assessment leading to the determination.

(B) An explanation for the reasons for
which existing force protection mechanisms
were not sufficient to reasonably ensure the
safety of members of the Armed Forces.

(C) The steps that have been taken to en-
sure that United States equipment does not fall
into enemy hands.

(D) A description of the coordination with
allied countries of the North Atlantic Treaty
Organization and with other allies and partners
with respect to the withdrawal.

(E) A description of the coordination with
the Department of State to ensure the safety of
American citizens in Afghanistan in light of and subsequent to the withdrawal.

(f) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—

(A) the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate;

(B) the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate; and

(C) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

(2) COVERED OFFICIAL.—The term “covered official” means—

(A) the Secretary of State;

(B) the Director of National Intelligence;

(C) the Chairman of the Joint Chiefs of Staff;

(D) the Commander of United States Central Command;
(E) the Commander of United States
Forces, Afghanistan; and

(F) the United States Permanent Rep-
resentative to the North Atlantic Treaty Orga-
nization.

(3) COVERED TERRORIST ORGANIZATION.—The
term “covered terrorist organization” means any of
the following:

(A) al-Qaeda and affiliates, including al-
Qaeda in the Indian Subcontinent.

(B) The Islamic State and affiliates.

(C) Tehrik-e Taliban Pakistan.

(D) The Haqqani Network.

(E) Islamic Movement of Uzbekistan.

(F) Eastern Turkistan Islamic Movement.

(G) Ansaralluh.

(H) Lashkar-e-Tayyiba (including under
the alias Jamaat-ud-Dawa).

(I) Jaish-e-Mohammed.

(J) Harakat ul-Jihad-Islami.

(K) Harakat ul-Mujahidin.

(L) Jaysh al-Adl.

(M) Lashkar-i-Jhangvi.

(N) Mullah Nasir Group.

(O) Hafiz Gul Bahadar Group.
SEC. 1214. REPORT ON OPERATION FREEDOM SENTINEL.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, and as part of the materials relating to Operation Freedom Sentinel submitted to Congress by the Secretary of Defense in support of the budget of the President for the following two fiscal years, the Secretary shall submit to the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate a report on Operation Freedom Sentinel.

(b) MATTERS TO BE INCLUDED.—The report required by subsection (a) shall include a list and description of activities, exercises, and funding amounts carried out under the operation, including—

(1) specific direct war costs;

(2) activities that occur in Afghanistan;

(3) activities that occur outside of Afghanistan, including training and costs relating to personnel;

(4) activities that provide funding to any of the services that is part of the operation’s budget request; and
(5) activities related to transportation, logistics, and other support.

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

SEC. 1221. EXTENSION AND MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO COUNTER THE ISLAMIC STATE OF IRAQ AND SYRIA.


(b) Funding.—Subsection (g) of such section is amended—

(1) by striking “fiscal year 2020” and inserting “fiscal year 2021”; and

(2) by striking “$645,000,000” and inserting “$500,000,000”.

(c) Waiver Authority; Scope.—Subsection (j)(3) of such section is amended—

(1) by striking “congressional defense committees” each place it appears and inserting “appropriate congressional committees”; and

(2) by adding at the end the following:
“(C) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this paragraph, the term ‘appropriate congressional committees’ means—

“(i) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives; and

“(ii) the Committee on Armed Services and the Committee on Foreign Relations of the Senate.”.

(d) ANNUAL REPORT.—Such section is amended by adding at the end the following:

“(o) ANNUAL REPORT.—Not later than 90 days after the date of the enactment of this subsection, and annually thereafter for two years, the Secretary of Defense shall submit to the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate a report that includes—

“(1) a detailed description of the weapons and equipment purchased using the Counter-ISIS Train and Equip Fund in the previous fiscal year; and

“(2) a detailed description of the incremental costs for operations and maintenance for Operation Inherent Resolve in the previous fiscal year.”.

(e) BUDGET DISPLAY SUBMISSION.—
(1) IN GENERAL.—The Secretary of Defense shall include in the budget materials submitted by the Secretary in support of the budget of the President (as submitted to Congress pursuant to section 1105 of title 31, United States Code) for each of fiscal years 2022 and 2023 a detailed budget display for funds requested for the Department of Defense for such fiscal year for Operation Inherent Resolve.

(2) MATTERS TO BE INCLUDED.—The detailed budget display required under paragraph (1) shall include the following:

(A) With respect to procurement accounts—

(i) amounts displayed by account, budget activity, line number, line item, and line item title; and

(ii) a description of the requirements for each such amount.

(B) With respect to research, development, test, and evaluation accounts—

(i) amounts displayed by account, budget activity, line number, program element, and program element title; and

(ii) a description of the requirements for each such amount.
(C) With respect to operation and maintenance accounts—

(i) amounts displayed by account title, budget activity title, line number, and sub-activity group title; and

(ii) a description of the specific manner in which each such amount would be used.

(D) With respect to military personnel accounts—

(i) amounts displayed by account, budget activity, budget subactivity, and budget subactivity title; and

(ii) a description of the requirements for each such amount.

(E) With respect to each project under military construction accounts (including with respect to unspecified minor military construction and amounts for planning and design), the country, location, project title, and project amount for each fiscal year.

SEC. 1222. EXTENSION OF AUTHORITY TO PROVIDE ASSISTANCE TO THE VETTED SYRIAN OPPOSITION.

(a) In General.—Subsection (a) of section 1209 of the Carl Levin and Howard P. “Buck” McKeon National

(b) NOTICE BEFORE PROVISION OF ASSISTANCE.—Subsection (b)(2)(A) of such section is amended by striking “fiscal year 2019 or fiscal year 2020” and inserting “fiscal year 2019, fiscal year 2020, or fiscal year 2021”.

(c) CERTIFICATION.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall certify to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on Foreign Relations of the Senate that no United States military forces are being used or have been used for the extraction, transport, transfer, or sale of oil from Syria.

SEC. 1223. EXTENSION OF AUTHORITY TO SUPPORT OPERATIONS AND ACTIVITIES OF THE OFFICE OF SECURITY COOPERATION IN IRAQ.

Section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note) is amended—
(1) in subsections (c) and (d), by striking “fiscal year 2020” each place it appears and inserting “each of fiscal years 2020 and 2021”; and

(2) in subsection (h), by striking “Of the amount made available for fiscal year 2020 to carry out section 1215 of the National Defense Authorization Act for Fiscal Year 2012, not more than $20,000,000” and inserting “Of the amounts made available for fiscal years 2020 and 2021 to carry out this section, not more than $20,000,000 for each such fiscal year”.

SEC. 1224. PROHIBITION ON PROVISION OF WEAPONS AND OTHER FORMS OF SUPPORT TO CERTAIN ORGANIZATIONS.

None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2021 may be used to knowingly provide weapons or any other form of support to Al Qaeda, the Islamic State of Iraq and Syria (ISIS), Jabhat Fateh al Sham, Hamas, Hizballah, Palestine Islamic Jihad, al-Shabaab, Islamic Revolutionary Guard Corps, or any individual or group affiliated with any such organization.

SEC. 1225. CONSOLIDATED BUDGET DISPLAY AND REPORT ON OPERATION SPARTAN SHIELD.

(a) Budget Display Submission.—
(1) In general.—The Secretary of Defense shall include in the budget materials submitted by the Secretary in support of the budget of the President (as submitted to Congress pursuant to section 1105 of title 31, United States Code) for each of fiscal years 2022 and 2023 a detailed budget display for funds requested for the Department of Defense for such fiscal year for Operation Spartan Shield and Iran deterrence-related programs and activities of the Department of Defense in the United States Central Command area of operation.

(2) Matters to be included.—The detailed budget display required under paragraph (1) shall include the following:

(A) With respect to procurement accounts—

(i) amounts displayed by account, budget activity, line number, line item, and line item title; and

(ii) a description of the requirements for each such amount.

(B) With respect to research, development, test, and evaluation accounts—
(i) amounts displayed by account, budget activity, line number, program element, and program element title; and
(ii) a description of the requirements for each such amount.

(C) With respect to operation and maintenance accounts—

(i) amounts displayed by account title, budget activity title, line number, and sub-activity group title; and
(ii) a description of the specific manner in which each such amount would be used.

(D) With respect to military personnel accounts—

(i) amounts displayed by account, budget activity, budget subactivity, and budget subactivity title; and
(ii) a description of the requirements for each such amount.

(E) With respect to each project under military construction accounts (including with respect to unspecified minor military construction and amounts for planning and design), the
country, location, project title, and project amount for each fiscal year.

(b) Report.—

(1) In general.—Not later than 180 days after the date of the enactment of this Act, and annually thereafter in conjunction with the submission of the budget of President (as submitted to Congress pursuant to section 1105 of title 31, United States Code) for each of fiscal years 2022 and 2023, the Secretary of Defense shall submit to the Committee on Armed Services of the House of Representatives and the Committee on Armed Services of the Senate a report on Operation Spartan Shield.

(2) Matters to be included.—The report required by paragraph (1) should include—

(A)(i) for the first report, a history of the operation and its objectives; and

(ii) for each subsequent report, a description of the operation and its objectives during the prior year;

(B) a list and description of significant activities and exercises carried out under the operation during the prior year;

(C) a description of the purpose and goals of such activities and exercises and an assess-
ment of the degree to which stated goals were achieved during the prior year;

(D) a description of criteria used to judge the effectiveness of joint exercises to build partner capacity under the operation during the prior year;

(E) an identification of incremental and estimated total costs of the operation during the prior year, including a separate identification of incremental costs of increased force presence in the United States Central Command area of responsibility to counter Iran since May 2019; and

(F) any other matters the Secretary determines appropriate.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form but may include a classified annex.

SEC. 1226. SENSE OF CONGRESS ON PESHMERGA FORCES AS A PARTNER IN OPERATION INHERENT RESOLVE.

It is the sense of Congress that—

(1) the Peshmerga of the Kurdistan Region of Iraq have made, and continue to make, significant contributions to the security of Northern Iraq, by
defending nearly 650 miles of critical terrain, to de-
grade, dismantle, and ultimately defeat the Islamic
State of Iraq and Syria (ISIS) in Iraq as a partner
in Operation Inherent Resolve;

(2) although ISIS has been severely degraded,
their ideology and combatants still linger and pose
a threat of resurgence if regional security is not sus-
tained;

(3) a strong Peshmerga and Kurdistan Re-
gegovnment is critical to maintaining a stable
and tolerant Iraq in which all faiths, sects, and
ethnicities are afforded equal protection under the
law and full integration into the Government and so-
ciety of Iraq;

(4) continued security assistance, as appro-
priate, to the Ministry of Peshmerga Affairs of the
Kurdistan Region of Iraq in support of counter-ISIS
operations, in coordination with the Government of
Iraq, is critical to United States national security in-
terests; and

(5) continued United States support to the
Peshmerga, coupled with security sector reform in
the region, will enable them to more effectively part-
tner with other elements of the Iraqi Security Forces,
the United States, and other coalition members to
consolidate gains, hold territory, and protect infrastructure from ISIS and its affiliates in an effort to deal a lasting defeat to ISIS and prevent its reemergence in Iraq.

**Subtitle D—Matters Relating to Russia**

**SEC. 1231. PROHIBITION ON AVAILABILITY OF FUNDS RELATING TO SOVEREIGNTY OF THE RUSSIAN FEDERATION OVER CRIMEA.**

(a) **Prohibition.**—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Department of Defense may be obligated or expended to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea.

(b) **Waiver.**—The Secretary of Defense, with the concurrence of the Secretary of State, may waive the restriction on the obligation or expenditure of funds required by subsection (a) if the Secretary of Defense—

(1) determines that to do so is in the national security interest of the United States; and

(2) submits a notification of the waiver, at the time the waiver is invoked, to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Com-
mittee on Armed Services and the Committee on Foreign Relations of the Senate.

SEC. 1232. EXTENSION OF LIMITATION ON MILITARY CO-
OPERATION BETWEEN THE UNITED STATES
AND THE RUSSIAN FEDERATION.

Section 1232(a) of the National Defense Authoriza-
tion Act for Fiscal Year 2017 (Public Law 114–328; 130
Stat. 2488), is amended by striking “, 2019, or 2020”
and inserting “2019, 2020, or 2021”.

SEC. 1233. MODIFICATION AND EXTENSION OF UKRAINE SE-
CURITY ASSISTANCE INITIATIVE.

(a) In General.—Section 1250 of the National De-
fense Authorization Act for Fiscal Year 2016 (Public Law
114–92; 129 Stat. 1068) is amended—

(1) in subsection (c)—

(A) in paragraph (1), by striking “50 per-
cent of the funds available for fiscal year 2020
pursuant to subsection (f)(5)” and inserting
“50 percent of the funds available for fiscal
year 2021 pursuant to subsection (f)(6)”;
and

(B) in paragraph (3), by striking “fiscal
year 2020” and inserting “fiscal year 2021”;

and

(C) in paragraph (5), by striking “Of the
funds available for fiscal year 2020 pursuant to
subsection (f)(5)’’ and inserting ‘‘Of the funds available for fiscal year 2021 pursuant to subsection (f)(6)’’;

(2) in subsection (f), by adding at the end the following:

‘‘(6) For fiscal year 2021, $250,000,000.’’; and

(3) in subsection (h), by striking ‘‘December 31, 2022’’ and inserting ‘‘December 31, 2023’’.


SEC. 1234. UNITED STATES PARTICIPATION IN THE OPEN SKIES TREATY.

(a) Notification Required.—

(1) In general.—Upon withdrawal of the United States from the Open Skies Treaty pursuant to Article XV of the Treaty, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate congressional committees—

(A) a notification that the United States has concluded agreements with other state parties to the Treaty that host United States mili-
tary forces and assets to ensure that after such withdrawal the United States will be provided sufficient notice by such state parties of requests for observation flights over the territories of such state parties under the Treaty; or

(B) if the United States has not concluded the agreements described in subparagraph (A), a description of how the United States will consistently and reliably be provided with sufficient warning of observation flights described in subparagraph (A) by other means, including a description of assets and personnel and policy implications of using such other means.

(2) SUBMISSION OF AGREEMENTS.—Upon withdrawal of the United States from the Open Skies Treaty pursuant to Article XV of the Treaty, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate congressional committees copies of the agreements described in paragraph (1)(A).

(b) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State, in coordination with the Director of National Intelligence and
the Under Secretary of Defense for Intelligence and Security, shall jointly submit to the appropriate congressional committees a report on the effects of a potential withdrawal of the United States from the Open Skies Treaty.

(2) Matters to be included.—The report required by paragraph (1) shall include the following:

(A) A description of how the United States will replace benefits of cooperation with United States allies under the Treaty.

(B) A description of—

(i) how the United States will obtain unclassified, publicly-releasable imagery it currently receives under the Treaty;

(ii) if national technical means are used as a replacement to obtain such imagery—

(I) how the requirements satisfied by collection under the Treaty will be prioritized within the National Intelligence Priorities Framework;

(II) a plan to mitigate any gaps in collection; and
(III) requirements and timelines for declassification of data for public release; and

(iii) if commercial imagery is used as a replacement to obtain such imagery—

(I) contractual actions and associated timelines needed to purchase such imagery;

(II) costs to purchase commercial imagery equivalent to that which is obtained under the Treaty; and

(III) estimates of costs to share that data with other state parties to the Treaty that are United States partners.

(C) A description of how the United States will replace intelligence information, other than imagery, obtained under the Treaty.

(D) A description of how the United States will ensure continued dialogue with Russia in a manner similar to formal communications as confidence-building measures to reinforce strategic stability required under the Treaty.

(E) All unedited responses to the questionnaire provided to United States allies by the
United States in 2019 and all official statements provided to the United States by United States allies in 2019 or 2020 relating to United States withdrawal from the Treaty.

(F) An assessment of the impact of such withdrawal on—

(i) United States leadership in the North Atlantic Treaty Organization (NATO); and

(ii) cohesion and cooperation among NATO member states.

(G) A description of options to continue confidence-building measures under the Treaty with other state parties to the Treaty that are United States allies.

(H) An assessment of the Defense Intelligence Agency of the impact on national security of such withdrawal.

(I) An assessment of how the United States will influence decisions regarding certifications of new sensors, primarily synthetic aperture radar sensors, under the Treaty that could pose additional risk to deployed United States military forces and assets.
(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form but may contain a classified annex.

(c) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—

(A) the congressional defense committees;

(B) the Committee on Foreign Affairs and the Permanent Select Committee on Intelligence of the House of Representatives; and

(C) the Committee on Foreign Relations and the Select Committee on Intelligence of the Senate.

(2) OBSERVATION FLIGHT.—The term “observation flight” has the meaning given such term in Article II of the Open Skies Treaty.

Subtitle E—Matters Relating to Europe and NATO

SEC. 1241. LIMITATIONS ON USE OF FUNDS TO REDUCE THE TOTAL NUMBER OF MEMBERS OF THE ARMED FORCES SERVING ON ACTIVE DUTY WHO ARE STATIONED IN GERMANY, TO REDUCE THE TOTAL NUMBER OF MEMBERS OF THE ARMED FORCES STATIONED IN EUROPE, AND TO DIVEST MILITARY INFRASTRUCTURE IN EUROPE.

(a) LIMITATION ON USE OF FUNDS TO REDUCE THE TOTAL NUMBER OF MEMBERS OF THE ARMED FORCES SERVING ON ACTIVE DUTY WHO ARE STATIONED IN GERMANY.—None of the funds authorized to be appropriated or otherwise made available to the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2021, to take any action to reduce the total number of members of the Armed Forces serving on active duty who are stationed in Germany below the levels present on June 10, 2020, until 180 days after the date on which the Secretary of Defense and the Chairman of the Joint Chiefs of Staff have separately submitted to the congressional defense committees the following:

(1) A certification that—
(A) such a reduction is in the national security interest of the United States and will not significantly undermine the security of the United States or its allies in the region, including a justification explaining the analysis behind the certification; and

(B) the Secretary has appropriately consulted with United States allies and partners in Europe, including all members of the North Atlantic Treaty Organization (NATO), regarding such a reduction.

(2) A detailed analysis of the impact such a reduction would have on the security of United States allies and partners in Europe and on interoperability and joint activities with such allies and partners, including major military exercises.

(3) A detailed analysis of the impact such a reduction would have on the ability to deter Russian aggression and ensure the territorial integrity of United States allies and partners in Europe.

(4) A detailed analysis of the impact such a reduction would have on the ability to counter Russian malign activity.
(5) A detailed analysis of where the members of
the Armed Forces will be moved and stationed as a
consequence of such a reduction.

(6) A detailed plan for how such a reduction
would be implemented.

(7) A detailed analysis of the cost implications
of such a reduction, to include the cost associated
with new facilities to be constructed at the location
to which the members of the Armed Forces are to
be moved and stationed.

(8) A detailed analysis of the impact such a re-
duction would have on United States service mem-
ers and their families stationed in Europe.

(9) A detailed analysis of the impact such a re-
duction would have on Joint Force Planning.

(10) A detailed explanation of the impact such
a reduction would have on implementation of the
National Defense Strategy and a certification that
the reduction would not negatively affect implemen-
tation of the National Defense Strategy.

(b) LIMITATION ON USE OF FUNDS TO REDUCE THE
TOTAL NUMBER OF MEMBERS OF THE ARMED FORCES
STATIONED IN EUROPE.—None of the funds authorized
to be appropriated or otherwise made available for the De-
partment of Defense may be used during the period begin-
ning on the date of the enactment of this Act and ending on December 31, 2021, to reduce the total number of members of the Armed Forces serving on active duty who are stationed in Europe below the levels present on June 10, 2020, until 180 days after the date on which the Secretary of Defense and the Chairman of the Joint Chiefs of Staff have separately submitted to the congressional defense committees the following:

(1) A certification that—

(A) such a reduction is in the national security interest of the United States and will not significantly undermine the security of the United States or its allies in the region, including a justification explaining the analysis behind the certification.

(B) the Secretary has appropriately consulted with United States allies and partners in Europe, including all members of NATO, regarding such a reduction.

(2) A detailed analysis of the impact such a reduction would have on the security of United States allies and partners in Europe and on interoperability and joint activities with such allies and partners, including major military exercises.
(3) A detailed analysis of the impact such a reduction would have on the ability to deter Russian aggression and ensure the territorial integrity of United States allies and partners in Europe.

(4) A detailed analysis of the impact such a reduction would have on the ability to counter Russian malign activity.

(5) A detailed analysis of where the forces will be moved and stationed as a consequence of such a reduction.

(6) A detailed plan for how such a reduction would be implemented.

(7) A detailed analysis of the cost implications of such a reduction, to include the cost associated with new facilities to be constructed at the location to which the members of the Armed Forces are to be moved and stationed.

(8) A detailed analysis of the impact such a reduction would have on service members and their families stationed in Europe.

(9) A detailed analysis of the impact such a reduction would have on Joint Force Planning.

(10) A detailed explanation of the impact such a reduction would have on implementation of the National Defense Strategy and a certification that
the reduction would not negatively affect implement-
tation of the National Defense Strategy.

(c) LIMITATION TO DIVEST MILITARY INFRASTRUC-
TURE IN EUROPE.—

(1) IN GENERAL.—The Secretary of Defense
may not take any action to divest any infrastructure
or real property in Europe under the operational
control of the Department of Defense unless, prior
to taking such action, the Secretary certifies to the
congressional defense committees that no military
requirement for future use of the infrastructure or
real property is foreseeable.

(2) SUNSET.—This subsection shall terminate
on the date that is 5 years after the date of the en-
actment of this Act.

SEC. 1242. SENSE OF CONGRESS ON SUPPORT FOR COORDI-
NATED ACTION TO ENSURE THE SECURITY
OF BALTIC ALLIES.

It is the sense of Congress that—

(1) the continued security of the Baltic states
of Estonia, Latvia, and Lithuania is critical to
achieving United States national security interests
and defense objectives against the acute and formi-
dable threat posed by Russia;
(2) the United States and the Baltic states are leaders in the mission of defending independence and democracy from aggression and in promoting stability and security within the North Atlantic Treaty Organization (NATO), with non-NATO partners, and with other international organizations such as the European Union;

(3) the Baltic states are model NATO allies in terms of burden sharing and capital investment in materiel critical to United States and allied security, investment of over 2 percent of their gross domestic product on defense expenditure, allocating over 20 percent of their defense budgets on capital modernization, matching security assistance from the United States, frequently deploying their forces around the world in support of allied and United States objectives, and sharing diplomatic, technical, military, and analytical expertise on defense and security matters;

(4) the United States should continue to strengthen bilateral and multilateral defense by, with, and through allied nations, particularly those which possess expertise and dexterity but do not enjoy the benefits of national economies of scale;
(5) the United States should pursue consistent efforts focused on defense and security assistance, coordination, and planning designed to ensure the continued security of the Baltic states and on deterring current and future challenges to the national sovereignty of United States allies and partners in the Baltic region; and

(6) such an initiative should include an innovative and comprehensive conflict deterrence strategy for the Baltic region encompassing the unique geography of the Baltic states, modern and diffuse threats to their land, sea, and air spaces, and necessary improvements to their defense posture, including command-and-control infrastructure, intelligence, surveillance, and reconnaissance capabilities, communications equipment and networks, and special forces.

SEC. 1243. SENSE OF CONGRESS ON SUPPORT FOR ESTONIA, LATVIA, AND LITHUANIA.

(a) FINDINGS.—Congress finds the following:

(1) The Baltic countries of Estonia, Latvia, and Lithuania are highly valued allies of the United States, and they have repeatedly demonstrated their commitment to advancing our mutual interests as well as those of the NATO Alliance.
(2) Operation Atlantic Resolve is a series of exercises and coordinating efforts demonstrating the United States’ commitment to its European partners and allies, including the Baltic countries of Estonia, Latvia, and Lithuania, with the shared goal of peace and stability in the region. Operation Atlantic Resolve strengthens communication and understanding, and is an important effort to deter Russian aggression in the region.

(3) Through Operation Atlantic Resolve, the European Deterrence Initiative undertakes exercises, training, and rotational presence necessary to reassure and integrate our allies, including the Baltic countries, into a common defense framework.

(4) All three Baltic countries contributed to the NATO-led International Security Assistance Force in Afghanistan, sending troops and operating with few caveats. The Baltic countries continue to commit resources and troops to the Resolute Support Mission in Afghanistan.

(b) SENSE OF CONGRESS.—Congress—

(1) reaffirms its support for the principle of collective defense in Article 5 of the North Atlantic Treaty for our NATO allies, including Estonia, Latvia, and Lithuania;
(2) supports the sovereignty, independence, territorial integrity, and inviolability of Estonia, Latvia, and Lithuania as well as their internationally recognized borders, and expresses concerns over increasingly aggressive military maneuvering by the Russian Federation near their borders and airspace;

(3) expresses concern over and condemns subversive and destabilizing activities by the Russian Federation within the Baltic countries; and

(4) encourages the Administration to further enhance defense cooperation efforts with Estonia, Latvia, and Lithuania and supports the efforts of their Governments to provide for the defense of their people and sovereign territory.

SEC. 1244. SENSE OF CONGRESS ON SUPPORT FOR GEORGIA.

(a) FINDINGS.—Congress finds the following:

(1) Georgia is a valued friend of the United States and has repeatedly demonstrated its commitment to advancing the mutual interests of both countries, including the deployment of Georgian forces as part of the former International Security Assistance Force (ISAF) and the current Resolute Support Mission led by the North Atlantic Treaty
Organization (NATO) in Afghanistan and the Multi-
National Force in Iraq.

(2) The European Deterrence Initiative builds
the partnership capacity of Georgia so it can work
more closely with the United States and NATO, as
well as provide for its own defense.

(3) In addition to the European Deterrence Ini-
tiative, Georgia’s participation in the NATO initia-
tive Partnership for Peace is paramount to inter-
operability with the United States and NATO, and
establishing a more peaceful environment in the re-

(4) Despite the losses suffered, as a NATO
partner, Georgia is committed to the Resolute Sup-
port Mission in Afghanistan with the fifth-largest
contingent on the ground.

(b) SENSE OF CONGRESS.—It is the sense of Con-
gress that the United States should—

(1) reaffirm support for an enduring strategic
partnership between the United States and Georgia;

(2) support Georgia’s sovereignty and territorial
integrity within its internationally-recognized bor-
ders, and does not recognize the independence of the
Abkhazia and South Ossetia regions currently occu-
pied by the Russian Federation;
(3) continue support for multi-domain security assistance for Georgia in the form of lethal and non-lethal measures to build resiliency, bolster deterrence against Russian aggression, and promote stability in the region, by—

(A) strengthening defensive capabilities and promote readiness; and

(B) improving interoperability with NATO forces; and

(4) further enhance security cooperation and engagement with Georgia and other Black Sea regional partners.

SEC. 1245. SENSE OF CONGRESS ON BURDEN SHARING BY PARTNERS AND ALLIES.

(a) FINDINGS.—Congress makes the following findings:

(1) The United States’ alliances and other critical defense partnerships are a cornerstone of Department of Defense (DOD) efforts to deter aggression from our adversaries, counter violent extremism, and preserve United States national security interests in the face of challenges to those interests by Russia, China and other actors.

(2) The North Atlantic Treaty Organization (NATO) is the most successful military alliance in
history, having deterred war between major state
powers for more than 70 years.

(3) Collective security and the responsibility of
each member of the security of the other members
as well as the alliance as a whole is a pillar of the
NATO alliance.

(4) NATO members other than the United
States collectively expend over $300,000,000,000 in
defense investments annually and maintain military
forces totaling an estimated 1,900,000 service mem-
ers, bolstering the alliance’s collective capacity to
counter shared threats.

(5) At the NATO Wales Summit in 2014,
NATO members pledged to strive to increase their
own defense spending to 2 percent of their respective
gross domestic products and to spend at least 20
percent of their defense budgets on equipment by
2024 as part of their burden sharing commitments.

(6) Since 2014, there has been a steady in-
crease in allied defense spending, with 22 member
countries meeting defense spending targets in 2018
and having submitted plans to meet the targets by
2024.

(7) In addition to individual defense spending
contributions, NATO allies and partners also con-
tribute to NATO and United States operations around the world, including the Resolute Support Mission in Afghanistan and the Global Coalition to Defeat the Islamic State in Iraq and Syria (ISIS).

(8) South Korea hosts a baseline of 28,500 United States forces including the Eighth Army and Seventh Air Force.

(9) South Korea maintains Aegis Ballistic Missile Defense and Patriot Batteries that contribute to regional Ballistic Missile Defense, is a participant in the Enforcement Coordination Center, and is a significant contributor to United Nations peacekeeping operations.

(10) South Korea is an active consumer of United States Foreign Military Sales (FMS) with approximately $30,500,000,000 in active FMS cases and makes significant financial contributions to support forward deployed United States forces in South Korea, including contributions of $924,000,000 under the Special Measures Agreement in 2019 and over 90 percent of the cost of developing Camp Humphreys.

(11) Japan hosts 54,000 United States forces including the Seventh Fleet, the only forward-deployed United States aircraft carrier, and the United
States Marine Corps’ III Marine Expeditionary Force.

(12) Japan maintains Aegis Ballistic Missile Defense and Patriot Batteries that contribute to regional Ballistic Missile Defense, conducts bilateral presence operations and mutual asset protection missions with United States forces, and is a capacity building contributor to United Nations peacekeeping operations.

(13) Japan is an active consumer of United States FMS with approximately $28,400,000,000 in active FMS cases and makes significant financial contributions to enable optimized United States military posture, including contributions of approximately $2,000,000,000 annually under the Special Measures Agreement, $187,000,000 annually under the Japan Facilities Improvement Program, $12,100,000,000 for the Futenma Replacement Facility, $4,800,000,000 for Marine Corps Air Station Iwakuni, and $3,100,000,000 for construction on Guam to support the movement of United States Marines from Okinawa.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—
(1) the United States Government should focus on United States national security requirements for investment in forward presence, joint exercises, investments, and commitments that contribute to the security of the United States and collective security, and cease efforts that solely focus on the financial contributions of United States allies and partners when negotiating joint security arrangements;

(2) the United States must continue to strengthen its alliances and security partnerships with like-minded democracies around the world to deter aggression from authoritarian competitors and promote peace and respect for democratic values and human rights around the world;

(3) United States partners and allies should continue to increase their military capacity and enhance their ability to contribute to global peace and security;

(4) NATO allies should continue working toward their 2014 Wales Defense Investment Pledge commitments;

(5) the United States should maintain forward-deployed United States forces in order to better ensure United States national security and global stability; and
(6) alliances and partnerships are the cornerstone of United States national security and critical to countering the threat posed by malign actors to the post-World War II liberal international order.

SEC. 1246. SENSE OF CONGRESS ON NATO'S RESPONSE TO THE COVID-19 PANDEMIC.

(a) FINDINGS.—Congress finds the following:

(1) The North Atlantic Treaty Organization (NATO) has been working with allies and partners to provide support to the civilian response to the Coronavirus Disease 2019 (commonly referred to as “COVID-19”) pandemic, including logistics and planning, field hospitals, and transport, while maintaining NATO’s operational readiness and continuing to carry out critical NATO missions.

(2) Since the beginning of the pandemic, NATO allies and partners have completed more than 350 airlift flights, supplying hundreds of tons of critical supplies globally, have built nearly 100 field hospitals and dedicated more than half a million troops to support the civilian response to the pandemic.

(3) NATO’s Euro-Atlantic Disaster Response Coordination Centre has been operating 24 hours, seven days a week to coordinate requests for supplies and resources.
The NATO Support and Procurement Agency’s Strategic Airlift Capability and Strategic Airlift International Solution programs have chartered flights to transport medical supplies between partners and allies.

NATO established Rapid Air Mobility to speed up military air transport of medical supplies and resources to allies and partners experiencing a shortage of medical supplies and personal protective equipment.

In June 2020, NATO Defense Ministers agreed to future steps to prepare for a potential second wave of the COVID-19 pandemic, including a new operation plan, establishing a stockpile of medical equipment and supplies, and a new fund to acquire medical supplies and services.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) NATO’s response to the COVID-19 pandemic is an excellent example of the democratic alliance’s capacity tackling overwhelming logistical challenges through close collaboration;

(2) the United States should remain committed to strengthening NATO’s operational response to the pandemic; and
(3) the United States should fulfill its commitments made at the 2020 NATO Defense Ministerial and continue to bolster the work of the Euro-Atlantic Disaster Response Coordination Centre, the NATO Support and Procurement Agency’s Strategic Airlift Capability and Strategic Airlift International Solution programs, and other efforts to utilize NATO’s capabilities to support the civilian pandemic response.

Subtitle F—Matters Relating to the Indo-Pacific Region

SEC. 1251. INDO-PACIFIC REASSURANCE INITIATIVE.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) a stable, peaceful, and secure Indo-Pacific region is vital to United States economic and national security;

(2) revisionist states, rogue states, violent extremist organizations, and natural and manmade disasters are persistent challenges to regional stability and security;

(3) maintaining stability and upholding a rules-based order requires a holistic United States strategy that—
(A) synchronizes all elements of national power;
(B) is inclusive of United States allies and partner countries; and
(C) ensures a persistent, predictable United States presence to reinforce regional defense;

(4) enhancing regional defense requires robust efforts to increase capability, readiness, and responsiveness to deter and mitigate destabilizing activities;

(5) the Department of Defense should pursue an integrated program of activities to—
(A) reassure United States allies and partner countries in the Indo-Pacific region;
(B) appropriately prioritize activities and resources to implement the National Defense Strategy; and
(C) enhance the ability of Congress to provide oversight of and support to Department of Defense efforts;

(6) an integrated, coherent, and strategic program of activities in the Indo-Pacific region, similar to the European Deterrence Initiative (originally the European Reassurance Initiative), will enhance United States presence and positioning, allow for ad-
ditional exercises, improve infrastructure and logistics, and build allied and partner capacity to deter aggression, strengthen ally and partner interoperability, and demonstrate United States commitment to Indo-Pacific countries;

(7) an integrated, coherent, and strategic program of activities in the Indo-Pacific region will also assist in resourcing budgetary priorities and enhancing transparency and oversight of programs and activities to better enable a coordinated and strategic plan for Department of Defense programs;

(8) not less than $3,578,360,000 of base funding should be allocated to fully support such program of activities in fiscal year 2021; and

(9) the Department of Defense should ensure adequate, consistent planning is conducted for future funding and build upon the activities identified in fiscal year 2021 in future budget requests, as appropriate.

(b) INDO-PACIFIC REASSURANCE INITIATIVE.—The Secretary of Defense shall carry out a program of prioritized activities to reassure United States allies and partner countries in the Indo-Pacific region that shall be known as the “Indo-Pacific Reassurance Initiative” (in this section referred to as the “Initiative”).
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(c) Objectives.—The objectives of the Initiative shall include reassuring United States allies and partner countries in the Indo-Pacific region by—

(1) optimizing the presence of United States Armed Forces in the region;

(2) strengthening and maintaining bilateral and multilateral military exercises and training with such countries;

(3) improving infrastructure in the region to enhance the responsiveness of United States Armed Forces;

(4) enhancing the prepositioning of equipment and materiel in the region; and

(5) building the defense and security capabilities, capacity, and cooperation of such countries.

(d) Plan Relating to Transparency for the Indo-Pacific Reassurance Initiative.—

(1) Plan Required.—

(A) In General.—Not later than February 1, 2022, and annually thereafter, the Secretary of Defense, in consultation with the Commander of the United States Indo-Pacific Command, shall submit to the congressional defense committees a future years plan on activities and resources of the Initiative.
(B) APPLICABILITY.—The plan shall apply
to the Initiative with respect to the first fiscal
year beginning after the date of submission of
the plan and at least the four succeeding fiscal
years.

(2) MATTERS TO BE INCLUDED.—The plan re-
quired under paragraph (1) shall include each of the
following:

(A) A summary of progress made towards
achieving the objectives of the Initiative.

(B) An assessment of resource require-
ments to achieve such objectives.

(C) An assessment of capabilities require-
ments to achieve such objectives.

(D) An assessment of logistics require-
ments, including force enablers, equipment,
supplies, storage, and maintenance require-
ments, to achieve such objectives.

(E) An identification of the intended force
structure and posture of the assigned and allo-
cated forces within the area of responsibility of
the United States Indo-Pacific Command for
the last fiscal year of the plan and the manner
in which such force structure and posture sup-
port such objectives.
(F) An identification and assessment of required infrastructure and military construction investments to achieve such objectives, including potential infrastructure investments proposed by host countries, new construction or modernization of existing sites that would be funded by the United States, and a master plan that includes the following:

(i) A list of specific locations, organized by country, in which the Commander of the United States Indo-Pacific Command anticipates requiring infrastructure investments to support an enduring or periodic military presence in the region.

(ii) A list of specific infrastructure investments required at each location identified under clause (i), to include the project title and estimated cost of each project.

(iii) A brief explanation for how each location identified under clause (i) and infrastructure investments identified under clause (ii) support a validated requirement or component of the overall strategy in the region.
(iv) A discussion of any gaps in the current infrastructure authorities that would preclude implementation of the infrastructure investments identified under clause (ii).

(v) A description of the type and size of military force elements that would maintain an enduring presence or operate periodically from each location identified under clause (i).

(vi) A summary of kinetic and non-kinetic vulnerabilities for current locations and each location identified in clause (i), to include—

(I) the level of risk associated with each vulnerability; and

(II) the proposed mitigations and projected costs to address each such vulnerability, to include—

(aa) hardening and other resilience measures;

(bb) active and passive counter-Intelligence, Surveillance, and Reconnaissance;
(cc) active and passive
counter Positioning, Navigation,
and Timing;
(dd) air and missile defense
capabilities;
(ce) enhanced logistics and
sea lines of communication secu-

ry; and
(ff) other issues identified by
the Commander of the United
States Indo-Pacific Command.

(G) An assessment of logistics require-
ments, including force enablers, equipment,
supplies, storage, fuel storage and distribution,
and maintenance requirements, to achieve such
objectives.

(H) An analysis of the challenges to the
ability of the United States to deploy significant
forces from the continental United States to the
Indo-Pacific theater in the event of a major
contingency, and a description of the plans of
the Department of Defense, including military
exercises, to address such challenges.
(I) An assessment and plan for security co-
operation investments to enhance such objec-
tives.

(J) A plan to resource United States force
posture and capabilities, including—

(i) the infrastructure capacity of exist-
ing locations and their ability to accommo-
date additional United States forces in the
Indo-Pacific region;

(ii) the potential new locations for ad-
ditional United States Armed Forces in the
Indo-Pacific region, including an assess-
ment of infrastructure and military con-
struction resources necessary to accommo-
date such forces;

(iii) a detailed timeline to achieve de-
sired posture requirements;

(iv) a detailed assessment of the re-
sources necessary to achieve the require-
ments of the plan, including specific cost
estimates for each project under the Initia-
tive to support optimized presence, exer-
cises and training, enhanced
prepositioning, improved infrastructure,
and building partnership capacity; and
(v) a detailed timeline to achieve the
force posture and capabilities, including
force requirements.

(K) A detailed explanation of any signifi-
cant modifications of the requirements or re-
sources, as compared to plans previously sub-
mitted under paragraph (1).

(L) Any other matters the Secretary of
Defense determines should be included.

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

(e) BUDGET SUBMISSION INFORMATION.—For fiscal
year 2022 and each fiscal year thereafter, the Secretary
of Defense shall include in the budget justification mate-
rials submitted to Congress in support of the Department
of Defense budget for that fiscal year (as submitted with
the budget of the President under section 1105(a) of title
31, United States Code)—

(1) the amounts, by budget function and as a
separate item, requested for the Department of De-
fense for such fiscal year for all programs and activi-
ties under the Initiative; and

(2) a detailed budget display for the Initiative,
including—
(A) with respect to procurement accounts—

(i) amounts displayed by account, budget activity, line number, line item, and line item title; and

(ii) a description of the requirements for each such amounts;

(B) with respect to research, development, test, and evaluation accounts—

(i) amounts displayed by account, budget activity, line number, program element, and program element title; and

(ii) a description of the requirements for each such amount;

(C) with respect to operation and maintenance accounts—

(i) amounts displayed by account title, budget activity title, line number, and sub-activity group title; and

(ii) a description of how such amounts will specifically be used;

(D) with respect to military personnel accounts—
(i) amounts displayed by account, budget activity, budget subactivity, and budget subactivity title; and

(ii) a description of the requirements for each such amount; and

(E) with respect to each project under military construction accounts (including with respect to unspecified minor military construction and amounts for planning and design), the country, location, project title, and project amount for each fiscal year.

(f) END OF FISCAL YEAR REPORT.—Not later than November 20, 2022, and annually thereafter, the Secretary of Defense shall submit to the congressional defense committees a report that contains—

(1) a detailed summary of funds obligated for the Initiative during the preceding fiscal year; and

(2) a detailed comparison of funds obligated for the Initiative during the preceding fiscal year to the amount of funds requested for the Initiative for such fiscal year in the materials submitted to Congress by the Secretary in support of the budget of the President for that fiscal year as required by subsection (e), including with respect to each of the accounts described in subparagraphs (A), (B), (C), (D), and
(E) of subsection (e)(2) and the information required under each such subparagraph.

(g) BRIEFINGS REQUIRED.—Not later than March 1, 2023, and annually thereafter, the Secretary of Defense shall provide to the congressional defense committees a briefing on the status of all matters covered by the report required by section (f).

(h) RELATIONSHIP TO BUDGET.—Nothing in this section shall be construed to affect section 1105(a) of title 31, United States Code.

(i) CONFORMING REPEAL.—Section 1251 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1676) is repealed.

SEC. 1252. 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.

None of the funds authorized to be appropriated by this Act may be used to reduce the total number of members of the Armed Forces serving on active duty who are deployed to South Korea below 28,500 until 180 days after the date on which the Secretary of Defense certifies to the congressional defense committees the following:

(1) Such a reduction is in the national security interest of the United States and will not signifi-
significantly undermine the security of United States allies in the region.

(2) Such a reduction is commensurate with a reduction in the threat posed to the United States and its allies in the region by the Democratic People’s Republic of Korea.

(3) Following such a reduction, the Republic of Korea would be capable of deterring a conflict on the Korean Peninsula.

(4) The Secretary has appropriately consulted with allies of the United States, including South Korea and Japan, regarding such a reduction.

SEC. 1253. IMPLEMENTATION OF GAO RECOMMENDATIONS ON PREPAREDNESS OF UNITED STATES FORCES TO COUNTER NORTH KOREAN CHEMICAL AND BIOLOGICAL WEAPONS.

(a) Plan Required.—

(1) In general.—The Secretary of Defense shall develop a plan to address the recommendations in the U.S. Government Accountability Office’s report entitled “Preparedness of U.S. Forces to Counter North Korean Chemical and Biological Weapons” (GAO-20-79C).

(2) Elements.—The plan required under paragraph (1) shall, with respect to each rec-
ommendation in the report described in paragraph (1) that the Secretary of Defense has implemented or intends to implement, include—

(A) a summary of actions that have been or will be taken to implement the recommendation; and

(B) a schedule, with specific milestones, for completing implementation of the recommendation.

(b) Submital to Congress.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees the plan required under subsection (a).

(c) Deadline for Implementation.—

(1) In general.—Except as provided in paragraph (2), not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall carry out activities to implement the plan developed under subsection (a).

(2) Exception for implementation of certain recommendations.—

(A) Delayed implementation.—The Secretary of Defense may initiate implementation of a recommendation in the report described in subsection (a)(1) after the date speci-
fied in paragraph (1) if the Secretary provides
the congressional defense committees with a
specific justification for the delay in implement-
tion of such recommendation on or before
such date.

(B) NONIMPLEMENTATION.—The Sec-
retary of Defense may decide not to implement
a recommendation in the report described in
subsection (a)(1) if the Secretary provides to
the congressional defense committees, on or be-
fore the date specified in paragraph (1)—

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

(ii) a summary of alternative actions
the Secretary plans to take to address the
conditions underlying the recommendation.

SEC. 1254. PUBLIC REPORTING OF CHINESE MILITARY
COMPANIES OPERATING IN THE UNITED
STATES.

(a) DETERMINATION OF OPERATIONS.—Not later
than 1 year after the date of the enactment of this Act,
and on an ongoing basis thereafter, the Secretary of De-
fense shall identify each entity the Secretary determines,
based on the most recent information available, is—
(1) (A) directly or indirectly owned, controlled, or beneficially owned by, or in an official or unofficial capacity acting as an agent of or on behalf of, the People’s Liberation Army or any of its affiliates; or

(B) identified as a military-civil fusion contributor to the Chinese defense industrial base;

(2) engaged in providing commercial services, manufacturing, producing, or exporting; and

(3) operating directly or indirectly in the United States, including any of its territories and possessions.

(b) SUBMISSION; PUBLICATION.—

(1) SUBMISSION.—Not later than 1 year after the date of the enactment of this Act, and every 2 years thereafter, the Secretary shall submit to the Committees on Armed Services of the House of Representatives and the Senate an updated list of each entity determined to be a Chinese military company pursuant to subsection (a), in classified and unclassified forms.

(2) PUBLICATION.—Concurrent with the submission of a list under paragraph (1), the Secretary shall publish the unclassified portion of such list in the Federal Register.
(c) CONSULTATION.—The Secretary may consult with the head of any appropriate Federal department or agency in making the determinations required under subsection (a) and shall transmit a copy of each list submitted under subsection (b)(1) to the heads of each appropriate Federal department and agency.

(d) DEFINITIONS.—

(1) MILITARY-CIVIL FUSION CONTRIBUTOR.—In this section, the term “military-civil fusion contributor” includes—

(A) entities receiving assistance from the Government of China through science and technology efforts initiated under the Chinese military industrial planning apparatus;

(B) entities affiliated with the Chinese Ministry of Industry and Information Technology, including entities connected through Ministry schools, research partnerships, and state-aided science and technology projects;

(C) entities receiving assistance from the Government of China or operational direction or policy guidance from the State Administration for Science, Technology and Industry for National Defense;
(D) entities recognized and awarded with receipt of an innovation prize for science and technology by such State Administration;

(E) any other entity or subsidiary defined as a “defense enterprise” by the Chinese State Council; and

(F) entities residing in or affiliated with a military-civil fusion enterprise zone or receiving assistance from the Government of China through such enterprise zone.

(2) People’s Liberation Army.—The term “People’s Liberation Army” means the land, naval, and air military services, the police, and the intelligence services of the Government of China, and any member of any such service or of such police.

SEC. 1255. INDEPENDENT STUDY ON THE DEFENSE INDUSTRIAL BASE OF THE PEOPLE’S REPUBLIC OF CHINA.

(a) In General.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into a contract with a federally funded research and development center to conduct a study on the defense industrial base of the People’s Republic of China.
(b) Elements of Study.—The study required under subsection (a) shall assess the resiliency and capacity of China’s defense industrial base to support its objectives in competition and conflict, including with respect to the following:

(1) The manufacturing capacity and physical plant capacity of the defense industrial base, including its ability to modernize to meet future needs.

(2) Gaps in national-security-related domestic manufacturing capabilities, including non-existent, extinct, threatened, and single-point-of-failure capabilities.

(3) Supply chains with single points of failure or limited resiliency, especially suppliers at third-tier and lower.

(4) Energy consumption and vulnerabilities.

(5) Domestic education and manufacturing workforce skills.

(6) Exclusive or dominant supply of military and civilian materiel, raw materials, or other goods (or components thereof) essential to China’s national security by the United States or United States allies and partners.
(7) The ability to meet the likely repair and new construction demands of the People’s Liberation Army in the event of a protracted conflict.

(8) The availability of substitutes or alternative sources for goods identified pursuant to paragraph (6).

(9) Recommendations for legislative, regulatory, and policy changes and other actions by the President and the heads of Federal agencies as appropriate based upon a reasoned assessment that the benefits outweigh the costs (broadly defined to include any economic, strategic, and national security benefits or costs) over the short, medium, and long-term to erode, in the event of a conflict, the ability of China’s defense industrial base to support the national objectives of China.

(c) Submission to Department of Defense.—Not later than 210 days after the date of the enactment of this Act, the federally funded research and development center shall submit to the Secretary a report containing the study conducted under subsection (a).

(d) Submission to Congress.—Not later than 240 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees the report submitted to the Secretary under sub-
section (c), without change but with any comments of the
Secretary with respect to the report.

SEC. 1256. REPORT ON CHINA’S ONE BELT, ONE ROAD INITIATIVE IN AFRICA.

(a) IN GENERAL.—Not later than one year after the
date of the enactment of this Act, the Secretary of De-
fense, in coordination with the Secretary of State and the
Director of National Intelligence, shall submit to the ap-
propriate congressional committees a report on the mili-
tary and defense implications of China’s One Belt, One
Road Initiative in Africa and a strategy to address im-
pacts on United States military and defense interests in
Africa.

(b) MATTERS TO BE INCLUDED.—The report re-
quired by subsection (a) shall include the following:

(1) An assessment of Chinese dual-use invest-
ments in Africa, including a description of which in-
vestments that are of greatest concern to United
States military or defense interests.

(2) A description of such investments that are
associated with People’s Liberation Army coopera-
tion with African countries.

(3) An assessment of the potential military, in-
telligence, and logistical threats facing United
States’ key regional military infrastructure, supply
chains, and staging grounds due to such investments.

(4) An identification of Department of Defense measures taken to mitigate the risk posed to United States forces and defense interests by such investments.

(5) A strategy to address ongoing military and defense implications posed by the expansion of such investments.

(c) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—

(A) the Committee on Armed Services, the Committee on Foreign Affairs, and the Permanent Select Committee on Intelligence of the House of Representatives; and

(B) the Committee on Armed Services, the Committee on Foreign Relations, and Select Committee on Intelligence of the Senate.

(2) CHINESE DUAL-USE INVESTMENTS IN AFRICA.—The term “Chinese dual-use investments in Africa” means investments made by the Government of the People’s Republic of China, the Chinese Communist Party, or companies owned or controlled by
such Government or Party in the infrastructure of African countries or related projects for both commercial and military or proliferation purposes.

(d) FORM.—The report required by subsection (a) shall—

(1) be submitted in unclassified form but may contain a classified annex; and

(2) be made available to the public on the website of the Department of Defense.

SEC. 1257. SENSE OF CONGRESS ON ENHANCEMENT OF THE UNITED STATES-TAIWAN DEFENSE RELATIONSHIP.

It is the sense of Congress that—

(1) Taiwan is a vital partner of the United States and is critical to a free and open Indo-Pacific region;

(2) the Taiwan Relations Act (22 U.S.C. 3301 et seq.) and the “Six Assurances” are both cornerstones of United States relations with Taiwan;

(3) the United States should continue to strengthen defense and security cooperation with Taiwan to support the development of capable, ready, and modern defense forces necessary for Taiwan to maintain a sufficient self-defense capability;
(4) consistent with the Taiwan Relations Act, the United States should strongly support the acquisition by Taiwan of defense articles and services through foreign military sales, direct commercial sales, and industrial cooperation, with an emphasis on anti-ship, coastal defense, anti-armor, air defense, defensive naval mining, and resilient command and control capabilities that support the asymmetric defense strategy of Taiwan;

(5) the President and Congress should determine the nature and quantity of such defense articles and services based solely upon their judgment of the needs of Taiwan, as required by the Taiwan Relations Act and in accordance with procedures established by law;

(6) the United States should continue efforts to improve the predictability of United States arms sales to Taiwan by ensuring timely review of and response to requests of Taiwan for defense articles and services;

(7) the Secretary of Defense should promote policies concerning exchanges that enhance the security of Taiwan, including—

(A) opportunities with Taiwan for practical training and military exercises that—
(i) enable Taiwan to maintain a sufficient self-defense capability, as described in section 3(a) of the Taiwan Relations Act (22 U.S.C. 3302(a)); and

(ii) emphasize capabilities consistent with the asymmetric defense strategy of Taiwan;

(B) exchanges between senior defense officials and general officers of the United States and Taiwan, consistent with the Taiwan Travel Act (Public Law 115–135), especially for the purpose of enhancing cooperation on defense planning and improving the interoperability of United States and Taiwan forces; and

(C) opportunities for exchanges between junior officers and senior enlisted personnel of the United States and Taiwan;

(8) the Secretary of Defense should consider expanded air and naval engagements and training with Taiwan to enhance regional security;

(9) the United States and Taiwan should expand cooperation in humanitarian assistance and disaster relief including conducting port calls in Taiwan with the United States Naval Ship Comfort and United States Naval Ship Mercy;
(10) the Secretary of Defense should consider options, including exercising ship visits and port calls, as appropriate, to expand the scale and scope of humanitarian assistance and disaster response cooperation with Taiwan and other regional partners so as to improve disaster response planning and preparedness;

(11) the Secretary of Defense should continue regular transits of United States Navy vessels through the Taiwan Strait and encourage allies and partners to follow suit in conducting such transits to demonstrate the commitment of the United States and its allies and partners to fly, sail, and operate anywhere international law allows;

(12) the violation of international law by the Government of China with respect to the Joint Declaration of the Government of the United Kingdom of Great Britain and Northern Ireland and the Government of the People’s Republic of China on the Question of Hong Kong, done at Beijing December 19, 1984, is gravely concerning and erodes international confidence in China’s willingness to honor its international commitments, including not to change the status quo with respect to Taiwan by force;
(13) the increasingly coercive and aggressive behavior of China towards Taiwan, including growing military maneuvers targeting Taiwan, is contrary to the expectation of the peaceful resolution of the future of Taiwan; and

(14) the United States and Taiwan should expand consultation and cooperation on combating the Coronavirus Disease 2019 (“COVID-19”) and seek to share the best practices and cooperate on a range of activities under this partnership.

SEC. 1258. REPORT ON SUPPLY CHAIN SECURITY COOPERATION WITH TAIWAN.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the head of each appropriate Federal department and agency, shall submit to the congressional defense committees a report on the following:

(1) The feasibility of establishing a high-level, interagency United States-Taiwan working group for coordinating cooperation related to supply chain security.

(2) A discussion of the Department of Defense’s current and future plans to engage with Taiwan with respect to activities ensuring supply chain security.
(3) A discussion of obstacles encountered in forming, executing, or implementing agreements with Taiwan for conducting activities to ensure supply chain security.

(4) Any other matters the Secretary of Defense determines should be included.

SEC. 1259. REPORT ON UNITED STATES-TAIWAN MEDICAL SECURITY PARTNERSHIP.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretary of Health and Human Services, shall submit to the congressional defense committees a report on the following:

(1) The goals, objectives, and feasibility of developing a United States-Taiwan medical security partnership on issues related to pandemic preparedness and control.

(2) A discussion of current and future plans to engage with Taiwan in medical security activities.

(3) An evaluation of cooperation on a range of activities under the partnership to include—

(A) research and production of vaccines and medicines;

(B) joint conferences with scientists and experts;
(C) collaboration relating to and exchanges
of medical supplies and equipment; and

(D) the use of hospital ships such as the
United States Naval Ship Comfort and United
States Naval Ship Mercy.

(4) Any other matters the Secretary of Defense
determines appropriate.

Subtitle G—Other Matters

SEC. 1261. PROVISION OF GOODS AND SERVICES TO KWAJALEIN ATOLL.

(a) AUTHORITY FOR PROVISION OF GOODS AND SERVICES.—Chapter 767 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 7596. Provision of goods and services to Kwajalein Atoll

“(a) AUTHORITY.—

“(1) IN GENERAL.—The Secretary of the Army may, subject to the concurrence of the Secretary of State as provided in paragraph (2), use any amounts appropriated to the Department of the Army to provide goods and services, including inter-atoll transportation, to the Government of the Republic of the Marshall Islands and to other eligible patrons at Kwajalein Atoll, under regulations and at rates to be
prescribed by the Secretary of the Army in accordance with this section.

“(2) **Effect on Compact.**—The Secretary of State may not concur to the provision of goods and services under paragraph (1) if the Secretary determines that such provision would be inconsistent with the Compact of Free Association between the Government of the United States of America and the Government of the Republic of the Marshall Islands (as set forth in title II of the Compact of Free Association Act of 1985 (48 U.S.C. 1901 et seq.) or with any subsidiary agreement or implementing arrangement with respect to such Compact.

“(b) **Reimbursement.**—

“(1) **Authority to collect reimbursement.**—The Secretary of the Army may collect reimbursement from the Government of the Republic of the Marshall Islands or eligible patrons for the provision of goods and services under this section in an amount that does not exceed the costs to the United States of providing such goods or services.

“(2) **Maximum Reimbursement.**—The total amount collected in a fiscal year pursuant to the authority under paragraph (1) may not exceed $7,000,000.”.
(b) CLERICAL AMENDMENTS.—The table of contents for chapter 767 of title 10, United States Code, is amended by adding at the end the following new item:

“Sec. 7595. Provision of goods and services to Kwajalein Atoll.”.

SEC. 1262. ANNUAL BRIEFINGS ON CERTAIN FOREIGN MILITARY BASES OF ADVERSARIES.

(a) IN GENERAL.—Chapter 3 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 1301. Annual briefings on certain foreign military bases of adversaries.

“(a) REQUIREMENT.—Not later than February 15 of each year, the Chairman of the Joint Chiefs of Staff and the Secretary of Defense, acting through the Under Secretary of Defense for Intelligence and Security, shall provide to the congressional defense committees, the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate a briefing on—

“(1) covered foreign military bases and the related capabilities of that foreign military; and

“(2) the effects of such bases and capabilities on—

“(A) the military installations of the United States located outside the United States; and

“(B) the military installations located outside the United States of—

“(i) other countries; and

“(ii) the United States.”
“(B) current and future deployments and
operations of the armed forces of the United
States.

“(b) ELEMENTS.—Each briefing under subsection
(a) shall include the following:

“(1) An assessment of covered foreign military
bases, including such bases established by China,
Russia, and Iran, and any updates to such assess-
ment provided in a previous briefing under such sub-
section.

“(2) Information regarding known plans for
any future covered foreign military base.

“(3) An assessment of the capabilities, includ-
ing those pertaining to anti-access and area denial,
provided by covered foreign military bases to that
foreign military, including an assessment of how
such capabilities could be used against the armed
forces of the United States in the country and the
geographic combatant command in which such base
is located.

“(4) A description of known ongoing activities
and capabilities at covered foreign military bases,
and how such activities and capabilities advance the
foreign policy and national security priorities of the
relevant foreign countries.
“(5) The extent to which covered foreign military bases could be used to counter the defense priorities of the United States.

“(c) FORM.—Each briefing under subsection (a) shall be provided in classified form.

“(d) COVERED FOREIGN MILITARY BASE DEFINED.—In this section, the term ‘covered foreign military base’ means, with respect to a foreign country that is an adversary of the United States, a military base of that country located in a different country.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“130l. Annual briefings on certain foreign military bases of adversaries.”.

SEC. 1263. REPORT ON PROGRESS OF THE DEPARTMENT OF DEFENSE WITH RESPECT TO DENYING A FAIT ACCOMPLI BY A STRATEGIC COMPETITOR AGAINST A COVERED DEFENSE PARTNER.

(a) DEFINITIONS.—In this section:

(1) COVERED DEFENSE PARTNER.—The term “covered defense partner” means a partner identified in the “Department of Defense Indo-Pacific Strategy Report” issued on June 1, 2019, located within 100 miles off the coast of a strategic competitor.
(2) FAIT ACCOMPLI.—The term “fait accompli” means the strategy of a strategic competitor designed to allow such strategic competitor to use military force to seize control of a covered defense partner before the United States Armed Forces are able to respond effectively.

(3) STRATEGIC COMPETITOR.—The term “strategic competitor” means a country labeled as a strategic competitor in the “Summary of the 2018 National Defense Strategy of the United States of America: Sharpening the American Military’s Competitive Edge” issued by the Department of Defense pursuant to section 113 of title 10, United States Code.

(b) REPORT ON PROGRESS OF THE DEPARTMENT OF DEFENSE WITH RESPECT TO DENYING A FAIT ACCOMPLI BY A STRATEGIC COMPETITOR AGAINST A COVERED DEFENSE PARTNER.—

(1) IN GENERAL.—Not later than April 30 each year, beginning in 2021 and ending in 2026, the Secretary of Defense shall submit to the congressional defense committees a report on the progress of the Department of Defense with respect to improving the ability of the United States Armed Forces to conduct combined joint operations to deny
the ability of a strategic competitor to execute a fait accompli against a covered defense partner.

(2) MATTERS TO BE INCLUDED.—Each report under paragraph (1) shall include the following:

(A) An explanation of the objectives for the United States Armed Forces that would be necessary to deny the fait accompli by a strategic competitor against a covered defense partner.

(B) An identification of joint warfighting capabilities and current efforts to organize, train, and equip the United States Armed Forces in support of the objectives referred to in paragraph (1), including—

(i) an assessment of whether the programs included in the most recent future-years defense program submitted to Congress under section 221 of title 10, United States Code, are sufficient to enable the United States Armed Forces to conduct joint combined operations to achieve such objectives;

(ii) a description of additional investments or force posture adjustments required to maintain or improve the ability
of the United States Armed Forces to conduct joint combined operations to achieve such objectives;

(iii) a description of the manner in which the Secretary of Defense intends to develop and integrate Army, Navy, Air Force, Marine Corps, and Space Force operational concepts to maintain or improve the ability of the United States Armed Forces to conduct joint combined operations to achieve such objectives; and

(iv) an assessment of the manner in which different options for pre-delegating authorities may improve the ability of the United States Armed Forces to conduct joint combined operations to achieve such objectives.

(C) An assessment of options for deterring limited use of nuclear weapons by a strategic competitor in the Indo-Pacific region without undermining the ability of the United States Armed Forces to maintain deterrence against other strategic competitors and adversaries.

(D) An assessment of a strategic competitor theory of victory for invading and unifying
a covered defense partner with such a strategic competitor by military force.

(E) A description of the military objectives a strategic competitor would need to achieve in a covered defense partner campaign.

(F) A description of the military missions a strategic competitor would need to execute a covered defense partner invasion campaign, including—

(i) blockade and bombing operations;

(ii) amphibious landing operations;

and

(iii) combat operations.

(G) An assessment of competing demands on a strategic competitor’s resources and how such demands impact such a strategic competitor’s ability to achieve its objectives in a covered defense partner campaign.

(H) An assessment of a covered defense partner’s self-defense capability and a summary of defense articles and services that are required to enhance such capability.

(I) An assessment of the capabilities of partner and allied countries to conduct com-
bined operations with the United States Armed
Forces in a regional contingency.

(3) **FORM.**—Each report under paragraph (1) shall be submitted in classified form but may include an unclassified executive summary.

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**SEC. 1264. MODIFICATION TO REQUIREMENTS OF THE INITIATIVE TO SUPPORT PROTECTION OF NATIONAL SECURITY ACADEMIC RESEARCHERS FROM UNDUE INFLUENCE AND OTHER SECURITY THREATS.**

(a) **ENHANCED INFORMATION SHARING.**—Subsection (d)(1) section 1286 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (10 U.S.C. 2358 note) is amended by striking “(other than basic research)”.

(b) **PUBLICATION OF UPDATED LIST.**—Subsection (e) of such section is amended by adding at the end the following new paragraph:

“(4) **PUBLICATION OF UPDATED LIST.**—

“(A) **IN GENERAL.**—Not later than January 1, 2021, and annually thereafter, the Secretary shall submit to the congressional defense committees the most recently updated list described in subsection (c)(8) in unclassified form (but with a classified annex as applicable) and
make the unclassified portion of each such list
publicly available on an internet website in a
searchable format.

“(B) INTERVENING PUBLICATION.—The
Secretary may submit and publish an updated
list described in subparagraph (A) more fre-
quently than required by such subparagraph if
the Secretary determines necessary.”.

SEC. 1265. REPORT ON DIRECTED USE OF FISHING FLEETS.

Not later than 180 days after the date of the enact-
ment of this Act, the Commander of the Office of Naval
Intelligence shall submit to the congressional defense com-
mittees, the Committee on Foreign Affairs of the House
of Representatives, and the Committee on Foreign Rela-
tions of the Senate an unclassified report on the use of
distant-water fishing fleets by foreign governments as ex-
tensions of such countries’ official maritime security
forces, including the manner and extent to which such
fishing fleets are leveraged in support of naval operations
and foreign policy more generally. The report shall also
consider the threats, on a country-by-country basis, posed
by such use of distant-water fishing fleets to—

(1) fishing or other vessels of the United States
and partner countries;
(2) United States and partner naval and coast guard operations; and

(3) other interests of the United States and partner countries.

SEC. 1266. EXPANDING THE STATE PARTNERSHIP PROGRAM IN AFRICA.

The Secretary of Defense, in coordination with the Chief of the National Guard Bureau, shall seek to build partner capacity and interoperability in the United States Africa Command area of responsibility through increased partnerships with countries on the African continent, military-to-military engagements, and traditional activities of the combatant commands.

SEC. 1267. REPORT RELATING TO REDUCTION IN THE TOTAL NUMBER OF UNITED STATES ARMED FORCES DEPLOYED TO UNITED STATES AFRICA COMMAND AREA OF RESPONSIBILITY.

(a) Reduction described.—

(1) In general.—If the Department of Defense reduces the number of United States Armed Forces deployed to the United States Africa Command area of responsibility (in this section referred to as “AFRICOM AOR”) (other than United States Armed Forces described in paragraph (2)) to a number that is below 80 percent of the number deployed...
as of the day before the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of State and the Director of National Intelligence, shall, not later than 90 days after date of such a reduction, submit to the appropriate congressional committees a report described in subsection (b).

(2) United States Armed Forces described.—United States Armed Forces described in this paragraph are United States Armed Forces that are deployed to AFRICOM AOR but are not under the direct authority of the Commander of United States Africa Command, including—

(A) forces deployed in conjunction with other Commands;

(B) forces participating in joint exercises;

(C) forces identified for pre-planned activities;

(D) forces used to assist in emergency situations; and

(E) forces designated or assigned for diplomatic or embassy security.

(b) Report.—
(1) IN GENERAL.—A report described in this subsection is a report that includes each of the following:

(A) A strategic plan to—

(i) degrade each of the violent extremist organizations described in paragraph (2) within the AFRICOM AOR, to include an assessment of the extent to which such violent extremist organizations pose a direct threat to the United States; and

(ii) counter the military influence of China and Russia within the AFRICOM AOR.

(B) The average number of United States Armed Forces that are under the direct authority of the Commander of United States Africa Command and deployed to AFRICOM AOR and the amount of associated expenditures, to be listed by month for each of the fiscal years 2019 and 2020 and disaggregated by mission and country, to include those forces deployed to secure United States embassies.

(C) The average number of United States Armed Forces that are planned to be under the direct authority of the Commander of United
States Africa Command and deployed to AFRICOM AOR and the amount of projected associated expenditures, to be listed by month for fiscal years 2021 and 2022 and disaggregated by mission and country, to include those forces deployed to secure United States embassies.

(D) The effect that a reduction described in subsection (a) would have on military and intelligence efforts to combat each of the violent extremist organizations described in paragraph (2), including a statement of the current objectives of the Secretary of Defense with respect to such efforts.

(E) A description of any consultation or coordination with the Department of State or the United States Agency for International Development with respect to such a reduction and the effect that such a reduction would have on diplomatic, developmental, or humanitarian efforts in Africa, including statements of the current objectives of the Secretary of State and the Administrator of the United States Agency for International Development with respect to such efforts.
(F) The strength, regenerative capacity, and intent of such violent extremist organizations in the AFRICOM AOR, including—

(i) an assessment of the number of fighters in the Sahel, the Horn of Africa, and West Africa who are members of such violent extremist organizations;

(ii) the threat such violent extremist organizations pose to host nations and United States allies and partners, and the extent to which such violent extremist organizations pose a direct threat to the United States; and

(iii) the likely reaction of such violent extremist organizations to the withdrawal of United States Armed Forces.

(G) The strategic risks involved with countering such violent extremist organizations following such a reduction.

(H) The operational risks involved with conducting United States led or enabled operations in Africa against such violent extremist organizations following such a reduction.

(I) For any region of the AFRICOM AOR in which United States Armed Forces currently
are present or conduct activities, the effect such a reduction would have on power and influence of China and Russia in such region.

(J) Any consultation or coordination with United States allies and partners concerning such a reduction.

(K) An assessment of the response from the governments and military forces of France, the United Kingdom, and Canada to such a reduction.

(2) VIOLENT EXTREMIST ORGANIZATIONS DESCRIBED.—The violent extremist organizations described in this paragraph are adversarial groups and forces in the AFRICOM AOR, as determined by the Secretary of Defense.

(e) ADDITIONAL REPORTING REQUIREMENT.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the appropriate congressional committees a report that includes the information required by subsection (b)(1)(B).

(d) FORM.—The reports required by subsections (b) and (e) shall be submitted in unclassified form, but may contain a classified annex.
(c) Appropriate Congressional Committees Defined.—In this section, the term “appropriate congressional committees” means—

(1) the congressional defense committees (which has the meaning given the term in section 101(a)(16) of title 10, United States Code);

(2) the Committee on Foreign Affairs and the Permanent Select Committee on Intelligence of the House of Representatives; and

(3) the Committee on Foreign Relations and the Select Committee on Intelligence of the Senate.

SEC. 1268. REPORT ON ENHANCING PARTNERSHIPS BETWEEN THE UNITED STATES AND AFRICAN COUNTRIES.

(a) Report Required.—

(1) In General.—Not later than June 1, 2021, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the appropriate congressional committees a report on the activities and resources required to enhance security and economic partnerships between the United States and African countries.

(2) Elements.—The report required under paragraph (1) shall include the following:
(A) An assessment of the infrastructure accessible to the Department of Defense on the continent of Africa.

(B) An identification of the ability of the Department to conduct freedom of movement on the continent, including identifying the activities of partners, allies, and other Federal departments and agencies that are facilitated by the Department’s ability to conduct freedom of movement.

(C) Recommendations to meet the requirements identified in subparagraph (B), including—

(i) dual-use infrastructure projects;

(ii) military construction;

(iii) the acquisition of additional mobility capability by African countries or the United States Armed Forces, including strategic air lift, tactical air lift, or sealift capability; or

(iv) any other option as determined by the Secretary.

(D) Recommendations to expand and strengthen partner and ally capability, including traditional activities of the combatant com-
mands, train and equip opportunities, partnerships with the National Guard and the United States Coast Guard, and multilateral contributions.

(E) Recommendations for enhancing joint exercises and training.

(F) An analysis of the security, economic, and stability benefits of the recommendations identified under subparagraphs (C) through (E).

(G)(i) A plan to fully resource United States force posture, capabilities, and stability operations, including—

(I) a detailed assessment of the resources required to address the elements described in subparagraphs (B) through (E), including specific cost estimates for recommended investments or projects; and

(II) a detailed timeline to achieve the recommendations described in subparagraphs (B) through (D).

(ii) The specific cost estimates required by clause (i)(I) shall, to the max-
imum extent practicable, include the following:

(I) With respect to procurement accounts—

(aa) amounts displayed by account, budget activity, line number, line item, and line item title; and

(bb) a description of the requirements for each such amount.

(II) With respect to research, development, test, and evaluation accounts—

(aa) amounts displayed by account, budget activity, line number, program element, and program element title; and

(bb) a description of the requirements for each such amount.

(III) With respect to operation and maintenance accounts—

(aa) amounts displayed by account title, budget activity
title, line number, and subactivity group title; and

(bb) a description of the specific manner in which each such amount would be used.

(IV) With respect to military personnel accounts—

(aa) amounts displayed by account, budget activity, budget subactivity, and budget subactivity title; and

(bb) a description of the requirements for each such amount.

(V) With respect to each project under military construction accounts (including unspecified minor military construction and amounts for planning and design), the country, location, project title, and project amount for each fiscal year.

(VI) With respect to any expenditure or proposed appropriation not described in clause (i) through (iv), a level of detail equivalent or greater
than the level of detail provided in the future-years defense program submitted pursuant to section 221(a) of title 10, United States Code.

(3) CONSIDERATIONS.—In preparing the report required under paragraph (1), the Secretary shall consider—

(A) the economic development and stability of African countries;

(B) the strategic and economic value of the relationships between the United States and African countries;

(C) the military, intelligence, diplomatic, developmental, and humanitarian efforts of China and Russia on the African continent; and

(D) the ability of the United States, allies, and partners to combat violent extremist organizations operating in Africa.

(4) FORM.—The report required under paragraph (1) may be submitted in classified form, but shall include an unclassified summary.

(b) INTERIM BRIEFING REQUIRED.—Not later than April 15, 2021, the Secretary of Defense (acting through the Under Secretary of Defense for Policy, the Under Secretary of Defense (Comptroller), and the Director of Cost
Assessment and Program Evaluation) and the Chairman of the Joint Chiefs of Staff shall provide to the congressional defense committees a joint interim briefing, and any written comments the Secretary of Defense and the Chairman of the Joint Chiefs of Staff consider necessary, with respect to their assessments of the report anticipated to be submitted under subsection (a).

(c) DEFINITIONS.—In this section:

(1) DUAL-USE INFRASTRUCTURE PROJECTS.—The term “dual-use infrastructure projects” means projects that may be used for either military or civilian purposes.

(2) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—

(A) the congressional defense committees;

and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1269. SENSE OF CONGRESS WITH RESPECT TO QATAR.

It is the sense of Congress that—

(1) the United States and the country of Qatar have built a strong, enduring, and forward-looking strategic partnership based on long-standing and
mutually beneficial cooperation, including through security, defense, and economic ties;

(2) robust security cooperation between the United States and Qatar is crucial to promoting peace and stability in the Middle East region;

(3) Qatar plays a unique role as host of the forward headquarters for the United States Central Command, and that partnership facilitates United States coalition operations countering terrorism;

(4) Qatar is a major security cooperation partner of the United States, as recognized in the 2018 Strategic Dialogue and the 2019 Memorandum of Understanding to expand Al Udeid Air Base to improve and expand accommodation for United States military personnel;

(5) the United States values Qatar’s provision of access to its military facilities and its management and financial assistance in expanding the Al Udeid Air Base, which supports the continued security presence of the United States in the Middle East region; and

(6) the United States should—

(A) continue to strengthen the relationship between the United States and Qatar, including through security and economic cooperation; and
(B) seek a resolution to the dispute between partner countries of the Arabian Gulf, which would promote peace and stability in the Middle East region.

SEC. 1270. SENSE OF CONGRESS ON UNITED STATES MILITARY SUPPORT FOR AND PARTICIPATION IN THE MULTINATIONAL FORCE AND OBSERVERS.

It is the sense of Congress that—

(1) the mission of the Multinational Force and Observers (MFO) is to supervise implementation of the security provisions of the Egypt-Israel Peace Treaty, signed at Washington on March 26, 1979, and employ best efforts to prevent any violation of its terms;

(2) the MFO was established by the Protocol to the Egypt-Israel Peace Treaty, signed on August 3, 1981, and remains a critical institution for regional peace and stability; and

(3) as a signatory to the Egypt-Israel Peace Treaty and subsequent Protocol, the United States strongly supports and encourages continued United States military support for and participation in the MFO.
SEC. 1271. PROHIBITION ON SUPPORT FOR MILITARY PARTICIPATION AGAINST THE HOUTHIS.

(a) Prohibition relating to support.—None of the funds authorized to be appropriated or otherwise made available by this Act may be made available to provide United States logistical support to the Saudi-led coalition’s operations against the Houthis in Yemen for coalition strikes, specifically by providing maintenance or transferring spare parts to coalition members flying warplanes engaged in anti-Houthi bombings for coalition strikes.

(b) Prohibition relating to military participation.—None of the funds authorized to be appropriated or otherwise made available by this Act may be made available for any civilian or military personnel of the Department of Defense or contractors of the Department to command, coordinate, participate in the movement of, or accompany the regular or irregular military forces of the Saudi and United Arab Emirates-led coalition forces engaged in hostilities against the Houthis in Yemen or in situations in which there exists an imminent threat that such coalition forces become engaged in such hostilities, unless and until the President has obtained specific statutory authorization, in accordance with section 8(a) of the War Powers Resolution (50 U.S.C. 1547(a)).
(c) Rule of Construction.—The prohibitions under this section may not be construed to apply with respect to United States Armed Forces engaged in operations directed at al-Qaeda or associated forces.

SEC. 1272. RULE OF CONSTRUCTION RELATING TO USE OF MILITARY FORCE.

Nothing in this Act or any amendment made by this Act may be construed to authorize the use of military force.

TITLE XIII—COOPERATIVE THREAT REDUCTION

SEC. 1301. FUNDING ALLOCATIONS; SPECIFICATION OF COOPERATIVE THREAT REDUCTION FUNDS.

(a) Funding Allocation.—Of the $373,690,000 authorized to be appropriated to the Department of Defense for fiscal year 2021 in section 301 and made available by the funding table in division D for the Department of Defense Cooperative Threat Reduction Program established under section 1321 of the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711), the following amounts may be obligated for the purposes specified:

(1) For strategic offensive arms elimination, $2,924,000.
(2) For chemical weapons destruction, $12,856,000.

(3) For global nuclear security, $33,919,000.

(4) For cooperative biological engagement, $216,200,000.

(5) For proliferation prevention, $79,869,000.

(6) For activities designated as Other Assessments/Administrative Costs, $27,922,000.

(b) Specification of Cooperative Threat Reduction Funds.—Funds appropriated pursuant to the authorization of appropriations in section 301 and made available by the funding table in division D for the Department of Defense Cooperative Threat Reduction Program shall be available for obligation for fiscal years 2021, 2022, and 2023.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

SEC. 1401. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4501.
SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2021 for expenses, not otherwise provided for, for Chemical Agents and Munitions Destruction, Defense, as specified in the funding table in section 4501.

(b) Use.—Amounts authorized to be appropriated under subsection (a) are authorized for—

(1) the destruction of lethal chemical agents and munitions in accordance with section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521); and

(2) the destruction of chemical warfare materiel of the United States that is not covered by section 1412 of such Act.

SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2021 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4501.
SEC. 1404. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2021 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4501.

SEC. 1405. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the Defense Health Program for use of the Armed Forces and other activities and agencies of the Department of Defense for providing for the health of eligible beneficiaries, as specified in the funding table in section 4501.

SEC. 1406. NATIONAL DEFENSE SEALIFT FUND.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the National Defense Sealift Fund, as specified in the funding tables in section 4501.

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.

(a) Authority for Transfer of Funds.—Of the funds authorized to be appropriated by section 1405 and available for the Defense Health Program for operation...
and maintenance, $137,000,000 may be transferred by the Secretary of Defense to the Joint Department of Defense–Department of Veterans Affairs Medical Facility Demonstration Fund established by subsection (a)(1) of section 1704 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571). For purposes of subsection (a)(2) of such section 1704, any funds so transferred shall be treated as amounts authorized and appropriated specifically for the purpose of such a transfer.

(b) USE OF TRANSFERRED FUNDS.—For the purposes of subsection (b) of such section 1704, facility operations for which funds transferred under subsection (a) may be used are operations of the Captain James A. Lovell Federal Health Care Center, consisting of the North Chicago Veterans Affairs Medical Center, the Navy Ambulatory Care Center, and supporting facilities designated as a combined Federal medical facility under an operational agreement covered by section 706 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4500).

SEC. 1412. AUTHORIZATION OF APPROPRIATIONS FOR ARMED FORCES RETIREMENT HOME.

There is hereby authorized to be appropriated for fiscal year 2021 from the Armed Forces Retirement Home
Trust Fund the sum of $70,300,000 for the operation of the Armed Forces Retirement Home.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorization of Appropriations

SEC. 1501. PURPOSE.

The purpose of this title is to authorize appropriations for the Department of Defense for fiscal year 2021 to provide additional funds for overseas contingency operations being carried out by the Armed Forces.

SEC. 1502. PROCUREMENT.

Funds are hereby authorized to be appropriated for fiscal year 2021 for procurement accounts for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4102.

SEC. 1503. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4202.
SEC. 1504. OPERATION AND MAINTENANCE.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4302.

SEC. 1505. MILITARY PERSONNEL.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, military personnel accounts, as specified in the funding table in section 4402.

SEC. 1506. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2021 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4502.

SEC. 1507. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2021 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4502.
SEC. 1508. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2021 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4502.

SEC. 1509. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2021 for expenses, not otherwise provided for, for the Defense Health Program, as specified in the funding table in section 4502.

Subtitle B—Financial Matters

SEC. 1511. TREATMENT AS ADDITIONAL AUTHORIZATIONS.

The amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

SEC. 1512. SPECIAL TRANSFER AUTHORITY.

(a) Authority To Transfer Authorizations.—

(1) Authority.—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this title for fiscal year 2021 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be
available for the same purposes as the authorization to which transferred.

(2) LIMITATION.—The total amount of authorizations that the Secretary may transfer under the authority of this subsection may not exceed $2,500,000,000.

(b) TERMS AND CONDITIONS.—

(1) IN GENERAL.—Transfers under this section shall be subject to the same terms and conditions as transfers under section 1001.

(2) ADDITIONAL LIMITATION ON TRANSFERS FROM THE NATIONAL GUARD AND RESERVE EQUIPMENT.—The authority provided by subsection (a) may not be used to transfer any amount from National Guard and Reserve Equipment.

(e) ADDITIONAL AUTHORITY.—The transfer authority provided by this section is in addition to the transfer authority provided under section 1001.

Subtitle C—Other Matters

SEC. 1521. AFGHANISTAN SECURITY FORCES FUND.

(a) CONTINUATION OF PRIOR AUTHORITIES AND NOTICE AND REPORTING REQUIREMENTS.—Funds available to the Department of Defense for the Afghanistan Security Forces Fund for fiscal year 2021 shall be subject to the conditions contained in—
(1) subsections (b) through (f) of section 1513 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 428); and

(2) section 1521(d)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2577) (as amended by subsection (b)).

(b) Extension of Prior Notice and Reporting Requirements.—Section 1521(d)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2577) is amended by striking “through January 31, 2021” and inserting “through January 31, 2023”.

(c) Equipment Disposition.—

(1) Acceptance of Certain Equipment.—

Subject to paragraph (2), the Secretary of Defense may accept equipment that is procured using amounts authorized to be appropriated for the Afghanistan Security Forces Fund by this Act and is intended for transfer to the security forces of the Ministry of Defense and the Ministry of the Interior of the Government of Afghanistan, but is not accepted by such security forces.
(2) CONDITIONS ON ACCEPTANCE OF EQUIPMENT.—Before accepting any equipment under the authority provided by paragraph (1), the Commander of United States forces in Afghanistan shall make a determination that such equipment was procured for the purpose of meeting requirements of the security forces of the Ministry of Defense and the Ministry of the Interior of the Government of Afghanistan, as agreed to by both the Government of Afghanistan and the Government of the United States, but is no longer required by such security forces or was damaged before transfer to such security forces.

(3) ELEMENTS OF DETERMINATION.—In making a determination under paragraph (2) regarding equipment, the Commander of United States forces in Afghanistan shall consider alternatives to the acceptance of such equipment by the Secretary. An explanation of each determination, including the basis for the determination and the alternatives considered, shall be included in the relevant quarterly report required under paragraph (5).

(4) TREATMENT AS DEPARTMENT OF DEFENSE STOCKS.—Equipment accepted under the authority provided by paragraph (1) may be treated as stocks
of the Department of Defense upon notification to
the congressional defense committees of such treat-
ment.

(5) QUARTERLY REPORTS ON EQUIPMENT DIS-
POSITION.—

(A) IN GENERAL.—Not later than 90 days
after the date of the enactment of this Act and
every 90-day period thereafter during which the
authority provided by paragraph (1) is exer-
cised, the Secretary shall submit to the congres-
sional defense committees a report describing
the equipment accepted during the period cov-
ered by such report under the following:

(i) This subsection.

(ii) Section 1521(b) of the National
Defense Authorization Act for Fiscal Year
2017 (Public Law 114–328; 130 Stat.
2575).

(iii) Section 1531(b) of the National
Defense Authorization Act for Fiscal Year
2016 (Public Law 114–92; 129 Stat.
1088).

(iv) Section 1532(b) of the Carl Levin
and Howard P. “Buck” McKeon National
Defense Authorization Act for Fiscal Year


(B) ELEMENTS.—Each report under subparagraph (A) shall include a list of all equipment that was accepted during the period covered by such report and treated as stocks of the Department of Defense and copies of the determinations made under paragraph (2), as required by paragraph (3).

(d) SECURITY OF AFGHAN WOMEN.—

(1) IN GENERAL.—Of the funds available to the Department of Defense for the Afghan Security Forces Fund for fiscal year 2021, it is the goal that $29,100,000, but in no event less than $10,000,000, shall be used for the recruitment, integration, retention, training, and treatment of women in the Afghan National Defense and Security Forces.

(2) TYPES OF PROGRAMS AND ACTIVITIES.— Such programs and activities may include—
(A) efforts to recruit and retain women into the Afghan National Defense and Security Forces, including the special operations forces;

(B) programs and activities of the Directorate of Human Rights and Gender Integration of the Ministry of Defense of Afghanistan and the Office of Human Rights, Gender and Child Rights of the Ministry of Interior of Afghanistan;

(C) development and dissemination of gender and human rights educational and training materials and programs within the Ministry of Defense and the Ministry of Interior of Afghanistan;

(D) efforts to address harassment and violence against women within the Afghan National Defense and Security Forces;

(E) improvements to infrastructure that address the requirements of women serving in the Afghan National Defense and Security Forces, including appropriate equipment for female security and police forces, and transportation for policewomen to their station;

(F) support for Afghanistan National Police Family Response Units;
(G) security provisions for high-profile female police and military officers;

(H) programs to promote conflict prevention, management, and resolution through the meaningful participation of Afghan women in the Afghan National Defense and Security Forces, by exposing Afghan women and girls to the activities of and careers available with such forces, encouraging their interest in such careers, or developing their interest and skills necessary for service in such forces; and

(I) enhancements to Afghan National Defense and Security Forces recruitment programs for targeted advertising with the goal of increasing the number of female recruits.

(e) Assessment of Afghanistan Progress on Objectives.—

(1) Assessment Required.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall, in consultation with the Secretary of State, submit to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on
Foreign Relations of the Senate an assessment describing—

(A) the progress of the Government of the Islamic Republic of Afghanistan toward meeting shared security objectives; and

(B) the efforts of the Government of the Islamic Republic of Afghanistan to manage, employ, and sustain the equipment and inventory provided under subsection (a).

(2) MATTERS TO BE INCLUDED.—In conducting the assessment required by paragraph (1), the Secretary of Defense shall include each of the following:

(A) The extent to which the Government of Afghanistan has a strategy for, and has taken steps toward, increased accountability and the reduction of corruption within the Ministry of Defense and the Ministry of Interior of Afghanistan.

(B) The extent to which the capability and capacity of the Afghan National Defense and Security Forces have improved as a result of Afghanistan Security Forces Fund investment, including through training, and an articulation of the metrics used to assess such improvements.
(C) The extent to which the Afghan National Defense and Security Forces have been able to increase pressure on the Taliban, al-Qaeda, the Haqqani network, the Islamic State of Iraq and Syria-Khorasan, and other terrorist organizations, including by re-taking territory, defending territory, and disrupting attacks.

(D) The distribution practices of the Afghan National Defense and Security Forces and whether the Government of Afghanistan is ensuring that supplies, equipment, and weaponry supplied by the United States are appropriately distributed to, and employed by, security forces charged with fighting the Taliban and other terrorist organizations.

(E) A description of—

(i) the policy governing the use of Acquisition and Cross Servicing Agreements (ACSA) in Afghanistan;

(ii) each ACSA transaction by type, amount, and recipient for calendar year 2020; and

(iii) for any transactions from the United States to Afghan military forces, an explanation for why such transaction
was not carried out under the authorities
of the Afghanistan Security Forces Fund.

(F) The extent to which the Government
of Afghanistan has designated the appropriate
staff, prioritized the development of relevant
processes, and provided or requested the allocation of resources necessary to support a peace and reconciliation process in Afghanistan.

(G) A description of the ability of the Ministry of Defense and the Ministry of Interior of Afghanistan to manage and account for previously divested equipment, including a description of any vulnerabilities or weaknesses of the internal controls of such Ministry of Defense and Ministry of Interior and any plan in place to address shortfalls.

(H) A description of any significant irregularities in the divestment of equipment to the Afghan National Defense and Security Forces during the period beginning on May 1, 2020, and ending on May 1, 2021, including any major losses of such equipment or any inability on the part of the Afghan National Defense and Security Forces to account for equipment so procured.
(I) A description of the sustainment and maintenance costs required during the 5-year period beginning on the date of the enactment of this Act, for major weapons platforms previously divested, and a description of the plan for the Afghan National Defense and Security Forces to maintain such platforms in the future.

(J) The extent to which the Government of Afghanistan is adhering to conditions for receiving assistance established in annual financial commitment letters or any other bilateral agreements with the United States.

(K) The extent to which the Government of Afghanistan has made progress in achieving security sector benchmarks as outlined by the United States-Afghan Compact (commonly known as the “Kabul Compact”) and a description of any other documents, plans, or agreements used by the United States to measure security sector progress.

(L) The extent to which the Government of Afghanistan or the Secretary has developed a plan to integrate former Taliban fighters into the Ministries of Defense or Interior.
(M) Such other factors as the Secretaries consider appropriate.

(3) FORM.—The assessment required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(4) WITHHOLDING OF ASSISTANCE FOR INSUFFICIENT PROGRESS.—

(A) IN GENERAL.—If the Secretary of Defense determines, in coordination with the Secretary of State and pursuant to the assessment under paragraph (1), that the Government of Afghanistan has made insufficient progress in the areas described in paragraph (2), the Secretary of Defense shall—

(i) withhold $401,500,000, to be derived from amounts made available for assistance for the Afghan National Defense and Security Forces, from expenditure or obligation until the date on which the Secretary certifies to the congressional defense committees that the Government of Afghanistan has made sufficient progress; and
(ii) notify the congressional defense committees not later than 30 days before withholding such funds.

(B) WAIVER.—If the Secretary of Defense determines that withholding such assistance would impede the national security objectives of the United States by prohibiting, restricting, delaying, or otherwise limiting the provision of assistance, the Secretary may waive the withholding requirement under subparagraph (A) if the Secretary, in coordination with the Secretary of State, certifies such determination to the congressional defense committees not later than 30 days before the effective date of the waiver.

(f) ADDITIONAL REPORTING REQUIREMENTS.—The Secretary of Defense shall include in the materials submitted in support of the budget for fiscal year 2022 that is submitted by the President under section 1105(a) of title 31, United States Code, each of the following:

(1) The amount of funding provided in fiscal year 2020 through the Afghanistan Security Forces Fund to the Government of Afghanistan in the form of direct government-to-government assistance or on-budget assistance for the purposes of supporting any
entity of such government, including the Afghan National Defense and Security Forces, the Afghan Ministry of Interior, or the Afghan Ministry of Defense.

(2) The amount of funding provided and anticipated to be provided, as of the date of the submission of the materials, in fiscal year 2021 through such Fund in such form.

(3) To the extent the amount described in paragraph (2) exceeds the amount described in paragraph (1), an explanation as to the reason why the such amount is greater and the specific entities and purposes that were supported by such increase.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

SEC. 1601. NATIONAL SECURITY SPACE LAUNCH PROGRAM.

(a) Phase Two Acquisition Strategy.—In carrying out the phase two acquisition strategy, the Secretary of the Air Force—

(1) may not change the mission performance requirements;

(2) may not change the acquisition schedule;

(3) may not award phase two contracts after September 30, 2024;
(4) shall award phase two contracts to not more than two National Security Space Launch providers;

(5) shall ensure that launch services are procured only from National Security Space Launch providers that meet the requirements for the phase two contracts;

(6) not later than 180 days after the date on which phase two contracts are awarded, shall terminate launch service agreement contracts awarded under such phase two acquisition strategy to each National Security Space Launch provider that is not a down-selected National Security Launch provider;

and

(7) may not increase the total amount of funding included in the initial launch service agreements with down-selected National Security Launch providers.

(b) REUSABILITY.—

(1) CERTIFICATION.—Not later than 18 months after the date on which the Secretary determines the down-selected National Security Space Launch providers, the Secretary shall certify to the appropriate congressional committees that the Secretary has completed all non-recurring design validation of previously flown launch hardware for National Security
Space Launch providers offering such hardware for use in phase two contracts or in future national security space missions.

(2) REPORT.—Not later than 180 days after the date on which the Secretary determines the down-selected National Security Space Launch providers, the Secretary shall submit to the appropriate congressional committees a report on the progress of the Secretary with respect to completing all non-recurring design validation of previously flown launch hardware described in paragraph (1), including—

(A) a justification for any deviation from the new entrant certification guide; and

(B) a description of such progress with respect to National Security Space Launch providers that are not down-selected National Security Space Launch providers, if applicable.

(c) FUNDING FOR CERTIFICATION, INFRASTRUCTURE, AND TECHNOLOGY DEVELOPMENT.—

(1) AUTHORITY.—Pursuant to section 2371b of title 10, United States Code, not later than September 30, 2021, the Secretary of the Air Force shall enter into three agreements described in paragraph (3) with National Security Space Launch providers—
(A) to maintain competition in order to maximize the likelihood of at least three National Security Space Launch providers competing for phase three contracts; and

(B) to support innovation for national security launches under phase three contracts.

(2) COMPETITIVE PROCEDURES.—The Secretary shall carry out paragraph (1) by conducting a full and open competition among all National Security Space Launch providers that may submit bids for a phase three contract.

(3) AGREEMENTS.—An agreement described in this paragraph is an agreement that provides a National Security Space Launch provider with not more than $150,000,000 for the provider to conduct either or both of the following activities:

(A) Meet the certification and infrastructure requirements that are—

(i) unique to national security space missions; and

(ii) necessary for a phase three contract.

(B) Develop transformational technologies in support of the national security space launch capability for phase three contracts (such as
technologies regarding launch, maneuver, and transport capabilities for enhanced resiliency and security technologies, as identified in the National Security Launch Architecture study of the Space and Missile Systems Center of the Space Force).

(4) REPORT.—Not later than 30 days after the date on which the Secretary enters into an agreement under paragraph (1), the Secretary shall submit to the appropriate congressional committees a report explaining how the Secretary determined the certification and infrastructure requirements and the transformational technologies covered under paragraph (3).

(d) BRIEFING.—Not later than December 31, 2020, the Secretary shall provide to the congressional defense committees a briefing on the progress made by the Secretary in ensuring that full and open competition exists for phase three contracts, including—

(1) a description of progress made to establish the requirements for phase three contracts, including such requirements that the Secretary determines cannot be met by the commercial market;
(2) whether the Secretary determines that additional development funding will be necessary for such phase;

(3) a description of the estimated costs for the development described in subparagraphs (A) and (B) of subsection (c)(3); and

(4) how the Secretary will—

(A) ensure full and open competition for technology development for phase three contracts; and

(B) maintain competition.

(e) RULE OF CONSTRUCTION.—Nothing in this section may be construed to delay the award of phase two contracts.

(f) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the congressional defense committees; and

(B) the Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

(2) The term “down-selected National Security Launch provider” means a National Security Space
Launch provider that the Secretary of the Air Force selected to be awarded phase two contracts.

(3) The term “phase three contract” means a contract awarded using competitive procedures for launch services under the National Security Space Launch program after fiscal year 2024.

(4) The term “phase two acquisition strategy” means the process by which the Secretary of the Air Force enters into phase two contracts during fiscal year 2020, orders launch missions during fiscal years 2020 through 2024, and carries out such launches under the National Security Space Launch program.

(5) The term “phase two contract” means a contract awarded during fiscal year 2020 using competitive procedures for launch missions ordered under the National Security Space Launch program during fiscal years 2020 through 2024.

SEC. 1602. REQUIREMENT TO BUY CERTAIN SATELLITE COMPONENT FROM NATIONAL TECHNOLOGY AND INDUSTRIAL BASE.

Section 2534(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:
“(7) STAR TRACKER.—A star tracker used in a satellite weighing more than 400 pounds whose principle purpose is to support the national security, defense, or intelligence needs of the United States Government.”.

SEC. 1603. COMMERCIAL SPACE DOMAIN AWARENESS CAPABILITIES.

(a) PROCUREMENT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Air Force shall procure commercial space domain awareness services by awarding at least two contracts for such services.

(b) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the enterprise space battle management command and control, not more than 75 percent may be obligated or expended until the date on which the Secretary of Defense, without delegation, certifies to the congressional committees that the Secretary of the Air Force has awarded the contracts under subsection (a).

(c) REPORT.—Not later than January 31, 2021, the Chief of Space Operations, in coordination with the Secretary of the Air Force, shall submit to the congressional defense committees a report detailing the commercial space domain awareness services, data, and analytics of
objects in low-earth orbit that have been purchased during
the two-year period preceding the date of the report. The
report shall be submitted in unclassified form.

(d) **Commercial Space Domain Awareness Services Defined.**—In this section, the term “commercial space domain awareness services” means space domain awareness data, processing software, and analytics derived from best-in-breed commercial capabilities to address warfighter requirements in low-earth orbit and fill gaps in current space domain capabilities of the Space Force, including commercial capabilities to—

1. provide conjunction and maneuver alerts;
2. monitor breakup and launch events; and
3. detect and track objects smaller than 10 centimeters in size.

**SEC. 1604. Responsive Satellite Infrastructure.**

(a) **In General.**—The Secretary of Defense shall establish a domestic responsive satellite manufacturing capability for Department of Defense space operations to be used—

1. for the development of components, systems, structures, and payloads necessary to reconstitute a national security space asset that has been destroyed, failed, or otherwise determined to be incapable of performing mission requirements; and
(2) to rapidly acquire and field necessary space-based capabilities needed to maintain continuity of national security space missions and limit capability disruption to the warfighter.

(b) PLAN FOR RESPONSIVE SATELLITE INFRASTRUCTURE.—The Secretary of Defense, in consultation with the Secretary of the Air Force, the Chief of Space Operations, and the Commander of United States Space Command, shall develop an operational plan and acquisition strategy for responsive satellite infrastructure to swiftly identify need, develop capability, and launch a responsive satellite to fill a critical capability gap in the event of destruction or failure of a space asset or otherwise determined need.

(c) MATTERS INCLUDED.—The plan outlined under subsection (b) shall include the following:

(1) A process for determining whether the reconstitution of a space asset is necessary.

(2) The timeframe in which a developed satellite is determined to be “responsive”.

(3) A plan to leverage domestic commercial entities in the “new space” supply chain that have already demonstrated rapid satellite product development and delivery capability to meet new “mission responsiveness” requirements being passed down by
Department of Defense prime satellite contractors in—

(A) power systems and solar arrays;
(B) payloads and integration features; and
(C) buses and structures.

(4) An assessment of acquisition requirements and standards necessary for commercial entities to meet Department of Defense validation of supply chains, processes, and technologies while operating under rapid development cycles needed to maintain a responsive timeframe as determined by paragraph (2).

(5) Such other matters as the Secretary considers appropriate.

(d) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report detailing the plan under subsection (b).

SEC. 1605. POLICY TO ENSURE LAUNCH OF SMALL-CLASS PAYLOADS.

(a) IN GENERAL.—The Secretary of Defense shall establish a small launch and satellite policy to ensure responsive and reliable access to space through the processing and launch of Department of Defense small-class payloads.
(b) POLICY.—The policy under subsection (a) shall include, at a minimum, providing resources and policy guidance to sustain—

(1) the availability of small-class payload launch service providers using launch vehicles capable of delivering into space small payloads designated by the Secretary of Defense as a national security payload;

(2) a robust small-class payload space launch infrastructure and industrial base;

(3) the availability of rapid, responsive, and reliable space launches for national security space programs to—

(A) improve the responsiveness and flexibility of a national security space system;

(B) lower the costs of launching a national security space system; and

(C) maintain risks of mission success at acceptable levels;

(4) a minimum number of dedicated launches each year; and

(5) full and open competition including small launch providers and rideshare opportunities.

(e) ACQUISITION STRATEGY.—The Secretary shall develop and carry out a five-year phased acquisition strat-
nergy, including near and long term, for the small launch
and satellite policy under subsection (a).

(d) ELEMENTS.—The acquisition strategy under sub-
section (c) shall—

(1) provide the necessary—

(A) stability in budgeting and acquisition
of capabilities;

(B) flexibility to the Federal Government;

and

(C) procedures for fair competition; and

(2) specifically take into account, as appro-
priate per competition, the effect of—

(A) contracts or agreements for launch
services or launch capability entered into by the
Department of Defense with small-class payload
space launch providers;

(B) the requirements of the Department of
Defense, including with respect to launch ca-
pabilities and pricing data, that are met by such
providers;

(C) the cost of integrating a satellite onto
a launch vehicle;

(D) launch performance history (at least
three successful launches of the same launch ve-
hicle design) and maturity;
(E) ability of a launch provider to provide the option of dedicated and rideshare launch capabilities; and

(F) any other matters the Secretary considers appropriate.

(e) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report describing a plan for the policy under subsection (a), including with respect to the cost of launches and an assessment of mission risk.

SEC. 1606. TACTICALLY RESPONSIVE SPACE LAUNCH OPERATIONS.

The Secretary of the Air Force shall implement a tactically responsive space launch program—

(1) to provide long-term continuity for tactically responsive space launch operations across the future-years defense program submitted to Congress under section 221 of title 10, United States Code;

(2) to accelerate the development of—

(A) responsive launch concepts of operations;

(B) tactics;

(C) training; and

(D) procedures;
(3) to develop appropriate processes for tactically responsive space launch, including—

(A) mission assurance processes; and

(B) command and control, tracking, telemetry, and communications; and

(4) to identify basing capabilities necessary to enable tactically responsive space launch, including mobile launch range infrastructure.

SEC. 1607. LIMITATION ON AVAILABILITY OF FUNDS FOR PROTOTYPE PROGRAM FOR MULTI-GLOBAL NAVIGATION SATELLITE SYSTEM RECEIVER DEVELOPMENT.

Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for increment 2 of the acquisition of military Global Positioning System user equipment terminals, not more than 80 percent may be obligated or expended until the date on which the Secretary of Defense—

(1) certifies to the congressional defense committees that the Secretary of the Air Force is carrying out the program required under section 1607 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1724); and
(2) provides to the Committees on Armed Services of the House of Representatives and the Senate a briefing on how the Secretary is implementing such program, including with respect to addressing each element specified in subsection (b) of such section.

SEC. 1608. LIMITATION ON AWARDING CONTRACTS TO ENTITIES OPERATING COMMERCIAL TERRESTRIAL COMMUNICATION NETWORKS THAT CAUSE INTERFERENCE WITH THE GLOBAL POSITIONING SYSTEM.

The Secretary of Defense may not enter into a contract, or extend or renew a contract, with an entity that engages in commercial terrestrial operations using the 1525–1559 megahertz band or the 1626.5–1660.5 megahertz band unless the Secretary has certified to the congressional defense committees that such operations do not cause harmful interference to a Global Positioning System device of the Department of Defense.

SEC. 1609. PROHIBITION ON AVAILABILITY OF FUNDS FOR CERTAIN PURPOSES RELATING TO THE GLOBAL POSITIONING SYSTEM.

(a) FINDINGS.—Congress finds the following:

(1) On April 19, 2020, the Federal Communications Commission issued an order and authoriza-
tion granting Ligado Networks LLC the authority to
operate a nationwide terrestrial communications net-
work using the 1526–1536 megahertz band, the
1627.5–1637.5 megahertz band, or the 1646.5–
1656.5 megahertz band.

(2) In an attempt to address interference to the
Global Positioning System operating near those bands, Ligado Networks LLC has committed to as-
suming the costs mitigating any interference caused by their network.

(3) In the approval order, the Federal Commu-
ications Commission directed that “Ligado takes
all necessary mitigation measures to prevent or re-
mediate any potential harmful interference to U.S.
Government devices, including devices used by the
military, that are identified both pre- and post-de-
ployment of Ligado’s network.”.

(4) In a letter to the Committee on Armed
Services of the House of Representatives dated May
21, 2020, Ligado Networks LLC reaffirmed the
commitment to bear the costs to the Department of
Defense, stating that the “FCC directed Ligado to
provide protections to GPS devices using its spec-
trum by imposing stringent coordination, cooper-
ation, and replacement obligations on Ligado, so that
Ligado bears the burden” and “Make no mistake: the obligation is ours, and the burden falls solely on our company.”.

(b) PROHIBITION.—Except as provided by subsection (c), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 or any subsequent fiscal year for the Department of Defense may be obligated or expended to retrofit any Global Positioning System device or system, or network that uses the Global Positioning System, in order to mitigate interference from commercial terrestrial operations using the 1526–1536 megahertz band, the 1627.5–1637.5 megahertz band, or the 1646.5–1656.5 megahertz band.

(c) ACTIONS NOT PROHIBITED.—The prohibition in subsection (a) shall not apply to any action taken by the Secretary of Defense relating to—

(1) conducting technical or information exchanges with the entity that operates the commercial terrestrial operations in the megahertz bands specified in such subsection;

(2) seeking compensation for interference from such entity; or

(3) Global Positioning System receiver upgrades needed to address other resiliency requirements.
SEC. 1610. REPORT ON RESILIENT PROTECTED COMMUNICATIONS SATELLITES.

(a) FINDINGS.—Congress finds the following:

(1) The national command, control, and communications system of the Department of Defense is essential to the national security of the United States.

(2) The Department of Defense requires the space segments of such system to be resilient and survivable to address advanced threats from Russia and China.

(3) The next-generation overhead persistent infrared missile warning satellites are being upgraded with enhanced resiliency features to make them much less vulnerable to attack and will begin launch in 2025.

(4) Because missile warning satellites rely on protected communications satellites to relay warnings and response orders, the next-generation overhead persistent infrared missile warning satellites will require protected communications satellites with enhanced resiliency features, however, the current plan of the Space Force is to provide those capabilities with the evolved strategic satellite communications program that will not be available until 2032 or later.
(5) As a result, the Chief of Space Operations should implement an accelerated plan to achieve more resilient protected communications satellites without delay.

(b) REPORT.—Not later than 60 days after the date of the enactment of this Act, the Chief of Space Operations shall submit to the congressional defense committees a report on how the Space Force will address the need for resilient protected communications satellites during the years 2025 through 2032.

Subtitle B—Defense Intelligence and Intelligence-Related Activities

SEC. 1611. VALIDATION OF CAPABILITY REQUIREMENTS OF NATIONAL GEOGRAPHIC-INTELLIGENCE AGENCY.

Section 442 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(f) VALIDATION.—The National Geospatial-Intelligence Agency shall assist the Joint Chiefs of Staff, combatant commands, and the military departments in establishing, coordinating, consolidating, and validating mapping, charting, geodetic data, and safety of navigation capability requirements through a formal process governed by the Joint Staff. Consistent with validated requirements,
the National Geospatial-Intelligence Agency shall provide aeronautical and nautical charts that are safe for navigation, maps, books, datasets, models, and geodetic products.”.

SEC. 1612. SAFETY OF NAVIGATION MISSION OF THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY.

(a) MISSION OF NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY.—Section 442 of title 10, United States Code, as amended by section 1611, is further amended—

(1) in subsection (b)—

(A) by striking “means of navigating vessels of the Navy and the merchant marine” and inserting “the means for safe navigation”; and

(B) by striking “and inexpensive nautical charts” and all that follows and inserting “geospatial information for use by the departments and agencies of the United States, the merchant marine, and navigators generally.”;

and

(2) in subsection (c)—

(A) by striking “shall prepare and” and inserting “shall acquire, prepare, and”;

(B) by striking “charts” and inserting “safe-for-navigation charts and datasets”; and
(C) by striking “geodetic” and inserting “geomatics”.

(b) MAPS, CHARTS, AND BOOKS.—

(1) IN GENERAL.—Section 451 of title 10, United States Code, is amended—

(A) in the heading, by striking “and books” and inserting “books, and datasets”;

(B) in paragraph (1), by striking “maps, charts, and nautical books” and inserting “nautical and aeronautical charts, topographic and geomatics maps, books, models, and datasets”; and

(C) by amending paragraph (2) to read as follows:

“(2) acquire (by purchase, lease, license, or barter) all necessary rights, including copyrights and other intellectual property rights, required to prepare, publish, and furnish to navigators the products described in paragraph (1).”.

(2) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of subchapter II of chapter 22 of title 10, United States Code, is amended by striking the item relating to section 451 and inserting the following new item:

“451. Maps, charts, books, and datasets.”.
(c) Civil Actions Barred.—Section 456 of title 10, United States Code, is amended by striking subsections (a) and (b) and inserting the following:

“No civil action may be brought against the United States on the basis of the content of geospatial information prepared or disseminated by the National Geospatial-Intelligence Agency.”.

(d) Definitions.—Section 467 of title 10, United States Code, is amended—

(1) in paragraph (4)—

(A) in the matter preceding subparagraph (A), by inserting “or about” after “boundaries on”;

(B) in subparagraph (A), by striking “statistical”; and

(C) in subparagraph (B)—

(i) by striking “geodetic” and inserting “geomatics”; and

(ii) by inserting “and services” after “products”; and

(2) in paragraph (5), by inserting “or about” after “activities on”.

SEC. 1613. NATIONAL ACADEMIES CLIMATE SECURITY
ROUNDTABLE.

(a) IN GENERAL.—The Under Secretary of Defense for Intelligence and Security, in coordination with the Director of National Intelligence, shall enter into a joint agreement with the Academies to create a new “National Academies Climate Security Roundtable” (in this section referred to as the “roundtable”).

(b) PARTICIPANTS.—The roundtable shall include—

(1) the members of the Climate Security Advisory Council established under section 120 of the National Security Act of 1947 (50 U.S.C. 3060);

(2) senior representatives and practitioners from Federal science agencies, elements of the intelligence community, and the Department of Defense, who are not members of the Council; and

(3) key stakeholders in the United States scientific enterprise, including institutions of higher education, Federal research laboratories (including the national security laboratories), industry, and nonprofit research organizations.

(c) PURPOSE.—The purpose of the roundtable is—

(1) to support the duties and responsibilities of the Climate Security Advisory Council under section 120(c) of the National Security Act of 1947 (50 U.S.C. 3060(c));
(2) to develop best practices for the exchange of data, knowledge, and expertise among elements of the intelligence community, elements of the Federal Government that are not elements of the intelligence community, and non-Federal researchers;

(3) to facilitate dialogue and collaboration about relevant collection and analytic priorities among participants of the roundtable with respect to climate security;

(4) to identify relevant gaps in the exchange of data, knowledge, or expertise among participants of the roundtable with respect to climate security, and consider viable solutions to address such gaps; and

(5) to provide any other assistance, resources, or capabilities that the Director of National Intelligence or the Under Secretary determines necessary with respect to the Council carrying out the duties and responsibilities of the Council under such section 120(c).

(d) MEETINGS.—The roundtable shall meet at least quarterly, in coordination with the meetings of the Climate Security Advisory Council under section 120(c)(1) of the National Security Act of 1947 (50 U.S.C. 3060(c)(1)).

(e) REPORTS AND BRIEFINGS.—The joint agreement under subsection (a) shall specify that—
(1) the roundtable shall organize workshops, on at least a biannual basis, that include both participants of the roundtable and persons who are not participants, and may be conducted in classified or unclassified form in accordance with subsection (f);

(2) on a regular basis, the roundtable shall produce classified and unclassified reports on the topics described in subsection (c) and the activities of the roundtable, and other documents in support of the duties and responsibilities of the Climate Security Advisory Council under section 120(c) of the National Security Act of 1947 (50 U.S.C. 3060(c));

(3) the Academies shall provide recommendations by consensus to the Council on both the topics described in subsection (c) and specific topics as identified by participants of the roundtable;

(4) not later than March 1, 2021, and annually thereafter during the life of the roundtable, the Academies shall provide a briefing to the appropriate congressional committees on the progress and activities of the roundtable; and

(5) not later than September 30, 2025, the Academies shall submit a final report to the appropriate congressional committees on the activities of the roundtable.
(f) SECURITY CLEARANCES.—Each participant of the roundtable shall have a security clearance at the appropriate level to carry out the duties of the participant under this section. A person who is not a participant who attends a workshop under subsection (e)(1) is not required to have a security clearance, and the roundtable shall ensure that any such workshop is held at the appropriate classified or unclassified level.

(g) TERMINATION.—The roundtable shall terminate on September 30, 2025.

(h) DEFINITIONS.—In this section:

(1) The term “Academies” means the National Academies of Sciences, Engineering, and Medicine.

(2) The term “appropriate congressional committees” means—

(A) the Committee on Science, Space, and Technology, the Committee on Armed Services, the Committee on Foreign Affairs, and the Permanent Select Committee on Intelligence of the House of Representatives; and

(B) the Committee on Commerce, Science, and Transportation, the Committee on Armed Services, the Committee on Foreign Relations, and the Select Committee on Intelligence of the Senate.
(3) The term “Federal science agency” means any agency or department of the Federal Government with at least $100,000,000 in basic and applied research obligations in fiscal year 2019.

(4) The term “intelligence community” has the meaning given that term in section 3 of the National Security Act of 1947 (50 U.S.C. 3003).

(5) The term “national security laboratory” has the meaning given the term in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

SEC. 1614. REPORT ON RISK TO NATIONAL SECURITY POSED BY QUANTUM COMPUTING TECHNOLOGIES.

(a) Report.—

(1) Requirement.—Not later than December 31, 2021, the Secretary of Defense shall submit to the congressional defense committees a report containing an assessment of the current and potential threats and risks posed by quantum computing technologies. The Secretary shall conduct the assessment in a manner that allows the Secretary to better understand and prepare to counter the risks of quantum computing to national security.

(2) Matters included.—The report under paragraph (1) shall include the following:
(A) An identification of national security systems that are vulnerable to current and potential threats and risks posed by quantum computing technologies.

(B) An assessment of quantum-resistant cryptographic standards, including a timeline for the development of such standards.

(C) An assessment of the feasibility of alternate quantum-resistant models.

(D) A description of any funding shortfalls in public and private efforts to develop such standards and models.

(E) Recommendations to counter the threats and risks posed by quantum computing technologies that prioritize, secure, and resource the defense of national security systems identified under subparagraph (A).

(b) BRIEFS.—During the period preceding the date on which the Secretary submits the report under subsection (a), the Secretary shall include in the quarterly briefings under section 484 of title 10, United States Code, an update on the assessment conducted under such subsection.

(c) FORM.—The report under subsection (a) may be submitted in classified form.
Subtitle C—Cyberspace-Related Matters

SEC. 1621. CYBER MISSION FORCES AND CYBERSPACE OPERATIONS FORCES.

Subsection (a) of section 238, title 10, United States Code, is amended—

(1) in the matter preceding paragraph (1)—

(A) by striking “The Secretary” and inserting “Not later than five days after the submission by the President under section 1105(a) of title 31 of the budget, the Secretary”;

(B) by inserting “in both electronic and print formats” after “submit”; and

(C) by striking “2017” and inserting “2021”;

(2) in paragraph (1), by inserting “and the cyberspace operations forces” before the semicolon; and

(3) in paragraph (2), by inserting “and the cyberspace operations forces” before the period.

SEC. 1622. CYBERSPACE SOLARIUM COMMISSION.

Section 1652 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232), is amended—

(1) in subsection (b)(1)—
(A) in subparagraph (A), by—

   (i) striking clauses (i) through (iv); and

   (ii) redesignating clauses (v) through (viii) as clauses (i) through (iv), respectively; and

(B) in subparagraph (B)(i), by striking “and who are appointed under clauses (iv) through (vii) of subparagraph (A)”;

(2) in subsection (d)(2), by striking “Seven” and inserting “Six”;

(3) in subsection (h), by—

   (A) striking “(1) IN GENERAL.—(A)”; and

   (B) striking paragraph (2);

(4) in subsection (i)(1)(B), by striking “officers or employees of the United States or”; and

(5) in subsection (k)(2)—

   (A) in subparagraph (A), by striking “at the end of the 120-day period beginning on” and inserting “two years after”;

   (B) in subparagraph (B), by—

   (i) striking “may use the 120-day” and inserting “shall use the two year”;

   (ii) striking “for the purposes of concluding its activities, including providing
testimony to Congress concerning the final report referred to in that paragraph and disseminating the report” and inserting the following: “for the purposes of—”:

“(i) collecting and assessing comments and feedback from the Executive Branch, academia, and the public on the analysis and recommendations contained in the Commission’s report;

“(ii) collecting and assessing any developments in cybersecurity that may affect the analysis and recommendations contained in the Commission’s report;

“(iii) reviewing the implementation of the recommendations contained in the Commission’s report;

“(iv) revising, amending, or making new recommendations based on the assessments and reviews required under clauses (i)–(iii);

“(v) providing an annual update to the congressional defense committees, the congressional intelligence committees, the Committee on Homeland Security of the House of Representatives, the Committee
on Homeland Security and Governmental Affairs of the Senate, the Director of National Intelligence, the Secretary of Defense, and the Secretary of Homeland Security in a manner and format determined by the Commission regarding any such revisions, amendments, or new recommendations; and

“(vi) concluding its activities, including providing testimony to Congress concerning the final report referred to in that paragraph and disseminating the report.”;

and

(C) by adding at the end the following new subparagraph:

“(C) If the Commission is extended, and the effective date of such extension is after the date on which the Commission terminated, the Commission shall be deemed reconstituted with the same members and powers that existed on the day before such termination date, except that—

“(i) a member of the Commission may serve only if the member’s position continues to be authorized under subsection (b);
“(ii) no compensation or entitlements relating to a person’s status with the Commission shall be due for the period between the termination and reconstitution of the Commission;

“(iii) nothing in this subparagraph may be construed as requiring the extension or reemployment of any staff member or contractor working for the Commission;

“(iv) the staff of the Commission shall be—

“(I) selected by the co-chairs of the Commission in accordance with subsection (h)(1);

“(II) comprised of not more than four individuals, including a staff director; and

“(III) resourced in accordance with subsection (g)(4)(A);

“(v) with the approval of the co-chairs, may be provided by contract with a nongovernmental organization;

“(vi) any unexpended funds made available for the use of the Commission shall continue to be available for use for the life of the Commission, as well as any additional funds appropriated to the Department of Defense that are
made available to the Commission, provided that the total such funds does not exceed $1,000,000 from the reconstitution of the Commission to the completion of the Commission; and

“(vii) the requirement for an assessment of the final report in subsection (l) shall be updated to require annually for a period of two years further assessments of the Federal Government’s responses to the Commission’s recommendations contained in such final report.”.

SEC. 1623. TAILORED CYBERSPACE OPERATIONS ORGANIZATIONS.

(a) In General.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy, in conjunction with the Chief of Naval Operations, shall submit to the congressional defense committees a study of the Navy Cyber Warfare Development Group (NCWDG).

(b) Elements.—The study required under subsection (a) shall include the following:

(1) An examination of NCWDG’s structure, manning, authorities, funding, and operations.

(2) A review of organizational relationships both within the Navy and to other Department of
Defense organizations, as well as non-Department of Defense organizations.

(3) Recommendations for how the NCWDG can be strengthened and improved, without growth in size.

(c) DESIGNATION.—Notwithstanding any other provision of law, the Secretary of the Navy shall designate the NCWDG as a screened command.

(d) RELEASE.—The Secretary of the Navy shall transmit the study required under subsection (a) to the secretaries of the military services and the Commander of United States Special Operations Command.

(e) EXEMPLAR.—The service secretaries and the Commander of United States Special Operations Command are authorized to establish counterpart tailored cyberspace operations organizations of comparable size to the NCWDG within the military service or command, respectively, of each such secretary and Commander. Such counterpart organizations shall have the same authorities as the NCWDG. Not later than 30 days after receipt by each of the service secretaries and the Commander under subsection (d) of the study required under subsection (a), each such service secretary and Commander, as the case may be, shall brief the congressional defense committees regarding whether or not each such service secretary or
Commander intends to utilize the authority under this subsection.

SEC. 1624. RESPONSIBILITY FOR THE SECTOR RISK MANAGEMENT AGENCY FUNCTION OF THE DEPARTMENT OF DEFENSE.

(a) Definitions.—

(1) In general.—In this section:

(A) Critical infrastructure.—The term “critical infrastructure” has the meaning given such term in section 1016(e) of the Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism (USA PATRIOT ACT) Act of 2001 (42 U.S.C. 5195c(e)).

(B) Sector Risk Management Agency.—The term “Sector Risk Management Agency” means a Federal department or agency designated as a Sector Specific Agency under Presidential Policy Directive-21 to be responsible for providing institutional knowledge and specialized expertise to, as well as leading, facilitating, or supporting, the security and resilience programs and associated activities of its designated critical infrastructure sector in the all-hazards environment.
(2) REFERENCE.—Any reference to a Sector-Specific Agency in any law, regulation, map, document, record, or other paper of the United States shall be deemed to be a reference to the Sector Risk Management Agency of the Federal Government for the relevant critical infrastructure sector.

(b) DESIGNATION.—The Secretary of Defense shall designate the Principal Cyber Advisor of the Department of Defense as the lead official, and the Office of the Principal Cyber Advisor as the lead component, for the Department’s role and functions as the Sector Risk Management Agency for the Defense Industrial Base.

(c) RESPONSIBILITIES.—As the lead official for the Department of Defense’s Sector Risk Management Agency functions, the Principal Cyber Advisor of the Department shall be responsible for all activities performed by the Department in its support of the Defense Industrial Base, as one of the critical infrastructure sectors of the United States. Such activities shall include the following:

(1) Synchronization, harmonization, de-confliction, and management for the execution of all Department programs, initiatives, efforts, and communication related to the Department’s Sector Risk Management Agency function, including any Depart-
ment program, initiative, or effort that addresses the
cybersecurity of the Defense Industrial Base.

(2) Leadership and management of the Defense
Industrial Base Government Coordinating Council.

(3) Direct interface and sponsorship of the De-
fense Industrial Base Sector Coordinating Council.

(4) Organization of quarterly in-person meet-
ings of both the Defense Industrial Base Govern-
ment Coordinating Council and the Defense Indus-
trial Base Sector Coordinating Council.

(d) ADDITIONAL FUNCTIONS.—In carrying out this
section, the Principal Cyber Advisor of the Department
of Defense shall—

(1) coordinate with relevant Federal depart-
ments and agencies, and collaborate with critical in-
frastructure owners and operators, where appro-
priate with independent regulatory agencies, and
with State, local, territorial, and Tribal entities, as
appropriate;

(2) serve as a day-to-day Federal interface for
the dynamic prioritization and coordination of sec-
tor-specific activities;

(3) carry out incident management responsibil-
ities;
(4) provide, support, or facilitate technical assistance and consultations for the Defense Industrial Base to identify cyber or physical vulnerabilities and help mitigate incidents, as appropriate; and

(5) support the statutorily required reporting requirements of such relevant Federal departments and agencies by providing to such departments and agencies on an annual basis sector-specific critical infrastructure information.

SEC. 1625. DEPARTMENT OF DEFENSE CYBER WORKFORCE EFFORTS.

(a) Resources for Cyber Education.—

(1) In general.—The Chief Information Officer of the Department of Defense, in consultation with the Director of the National Security Agency (NSA), shall examine the current policies permitting National Security Agency employees to use up to 140 hours of paid time toward NSA’s cyber education programs.

(2) Report.—

(A) In general.—Not later than 90 days after the date of the enactment of this Act, the Chief Information Officer shall submit to the congressional defense committees and the congressional intelligence committees a strategy for
expanding the policies described in paragraph (1) to—

(i) individuals who occupy positions described in section 1599f of title 10, United States Code; and

(ii) any other individuals who the Chief Information Officer determines appropriate.

(B) IMPLEMENTATION PLAN.—The report required under subparagraph (A) shall detail the utilization of the policies in place at the National Security Agency, as well as an implementation plan that describes the mechanisms needed to expand the use of such policies to accommodate wider participation by individuals described in such subparagraph. Such implementation plan shall detail how such individuals would be able to connect to the instructional and participatory opportunities available through the efforts, programs, initiatives, and investments accounted for in the report required under section 1649 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92), including the following programs:
(i) GenCyber.

(ii) Centers for Academic Excellence – Cyber Defense.

(iii) Centers for Academic Excellence – Cyber Operations.

(C) DEADLINE.—Not later than 120 days after the submission of the report required under subparagraph (A), the Chief Information Officer of the Department of Defense shall carry out the implementation plan contained in such report.

(b) IMPROVING THE TRAINING WITH INDUSTRY PROGRAM.—

(1) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Principal Cyber Advisor of the Department of Defense, in consultation with the Principal Cyber Advisors of the military services and the Under Secretary of Defense for Personnel and Readiness, shall submit to the congressional defense committees a review of the current utilization and utility of the Training With Industry (TWI) programs, including relating to the following:

(A) Recommendations regarding how to improve and better utilize such programs, in-
cluding regarding individuals who have completed such programs.

(B) An implementation plan to carry out such recommendations.

(2) ADDITIONAL.—Not later than 90 days after the submission of the report required under paragraph (1), the Principal Cyber Advisor of the Department of Defense shall carry out the implementation plan required under paragraph (1).

(c) ALIGNMENT OF CYBERSECURITY TRAINING PROGRAMS.—

(1) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing recommendations on how cybersecurity training programs described in section 1649 of the National Defense Authorization Act for Fiscal Year 2020 can be better aligned and harmonized.

(2) REPORT.—The report required under paragraph (1) shall provide recommendations concerning the following topics and information:

(A) Developing a comprehensive mechanism for utilizing and leveraging the Cyber Excepted Service workforce of the Department of
Defense referred to in subsection (a), as well as mechanisms for military participation.

(B) Unnecessary redundancies in such programs, or in any related efforts, initiatives, or investments.

(C) Mechanisms for tracking participation and transition of participation from one such program to another.

(D) Department level oversight and management of such programs.

(3) CYBER WORKFORCE PIPELINE AND EARLY CHILDHOOD EDUCATION.—

(A) ELEMENTS.—The Secretary of Defense shall, when completing the report required under paragraph (1), take into consideration existing Federal childhood cyber education programs, including the programs identified in the report required under section 1649 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) and the Department of Homeland Security’s Cybersecurity Education and Training Assistance Program (CETAP), that can provide opportunities to military-connected students and members of the Armed Forces to pursue cyber careers.
(B) DEFINITION.—In this paragraph, the term “military-connected student” means an individual who—

(i) is a dependent a member of the Armed Forces serving on active duty; and

(ii) is enrolled in a preschool, an elementary or secondary school, or an institution of higher education.

SEC. 1626. REPORTING REQUIREMENTS FOR CROSS DOMAIN COMPROMISES AND EXEMPTIONS TO POLICIES FOR INFORMATION TECHNOLOGY.

(a) COMPROMISE REPORTING.—

(1) IN GENERAL.—Effective beginning in October 2020, the Secretary of Defense and the secretaries of the military services shall submit to the congressional defense committees a monthly report in writing that documents each instance or indication of a cross-domain compromise within the Department of Defense.

(2) PROCEDURES.—The Secretary of Defense shall submit to the congressional defense committees procedures for complying with the requirements of subsection (a) consistent with the national security of the United States and the protection of operational integrity. The Secretary shall promptly notify
such committees in writing of any changes to such procedures at least 14 days prior to the adoption of any such changes.

(3) DEFINITION.—In this subsection, the term “cross domain compromise” means any unauthorized connection between software, hardware, or both designed for use on a network or system built for classified data and the public internet.

(b) EXEMPTIONS TO POLICY FOR INFORMATION TECHNOLOGY.—Not later than six months after the date of the enactment of this Act and biannually thereafter, the Secretary of Defense and the secretaries of the military services shall submit to the congressional defense committees a report in writing that enumerates and details each current exemption to information technology policy, interim Authority To Operate (ATO) order, or both. Each such report shall include other relevant information pertaining to each such exemption, including relating to the following:

(1) Risk categorization.

(2) Duration.

(3) Estimated time remaining.
SEC. 1627. ASSESSING PRIVATE-PUBLIC COLLABORATION IN CYBERSECURITY.

(a) REQUIREMENT.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall—

(1) conduct a review and assessment of any ongoing public-private collaborative initiatives involving the Department of Defense and the private sector related to cybersecurity and defense of critical infrastructure, including—

(A) the United States Cyber Command’s Pathfinder initiative and any derivative initiative;

(B) the Department’s support to and integration with existing Federal cybersecurity centers and organizations; and

(C) comparable initiatives led by other Federal departments or agencies that support long-term public-private cybersecurity collaboration; and

(2) make recommendations for improvements and the requirements and resources necessary to institutionalize and strengthen the initiatives described in subparagraphs (A) through (C) of paragraph (1).

(b) REPORT.—
(1) IN GENERAL.—The Secretary of Defense shall submit to the congressional defense committees a report on the review, assessment, and recommendations under subsection (a).

(2) FORM.—The report required under paragraph (1) may be submitted in unclassified or classified form, as necessary.

(c) DEFINITION.—In this section, the term “critical infrastructure” has the meaning given such term in section 1016(e) of the Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism (USA PATRIOT ACT) Act of 2001 (42 U.S.C. 5195c(e)).

SEC. 1628. CYBER CAPABILITIES AND INTEROPERABILITY OF THE NATIONAL GUARD.

(a) EVALUATION.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in conjunction with the Chief of the National Guard Bureau, shall submit to the congressional defense committees, the Committee on Appropriations of the House of Representatives, and the Committee on Appropriations of the Senate a review of the statutes, rules, regulations, and standards that pertain to the use of the National Guard for the response to and recovery from significant cyber incidents.
(b) RECOMMENDATIONS.—The review required under subsection (a) shall address the following:

(1) Regulations promulgated under section 903 of title 32, United States Code, to allow the National Guard to conduct homeland defense activities that the Secretary of Defense determines to be necessary and appropriate in accordance with section 902 of such title in response to a cyber attack.

(2) Compulsory guidance from the Chief of the National Guard Bureau regarding how the National Guard shall collaborate with the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security and the Federal Bureau of Investigation of the Department of Justice through multi-agency task forces, information-sharing groups, incident response planning and exercises, and other relevant forums and activities.

(3) A plan for how the Chief of the National Guard Bureau will collaborate with the Secretary of Homeland Security to develop an annex to the National Cyber Incident Response Plan that details the regulations and guidance described in paragraphs (1) and (2).

(c) DEFINITION.—The term “significant cyber incident” means a cyber incident that results, or several re-
lated cyber incidents that result, in demonstrable harm

to—

(1) the national security interests, foreign rela-
tions, or economy of the United States; or

(2) the public confidence, civil liberties, or pub-
lic health and safety of the American people.

SEC. 1629. EVALUATION OF NON-TRADITIONAL CYBER SUP-
PORT TO THE DEPARTMENT OF DEFENSE.

(a) REQUIREMENT.—Not later than 270 days after
the date of the enactment of this Act, the Principal Cyber
Advisor to the Secretary of Defense, in conjunction with
the Under Secretary for Personnel and Readiness of the
Department of Defense and the Principal Cyber Advisors
of the military services, shall complete an assessment and
evaluation of reserve models tailored to the support of
cyberspace operations for the Department.

(b) EVALUATION COMPONENTS.—The assessment
and evaluation required under subsection (a) shall include
the following components:

(1) A current assessment of reserve and Na-
tional Guard support to Cyber Operations Forces.

(2) An enumeration and evaluation of various
reserve, National Guard, auxiliary, and non-tradi-
tional support models which are applicable to cyber-
space operations, including a consideration of models
utilized domestically and internationally.

(3) A utility assessment of a dedicated reserve
cadre specific to United States Cyber Command and
Cyber Operations Forces.

(4) An analysis of the costs associated with the
models evaluated pursuant to paragraph (2).

(5) An assessment of the recruitment programs
necessary for implementation of the models evalu-
ated pursuant to paragraph (2).

(b) REPORT.—

(1) IN GENERAL.—The Secretary of Defense,
acting through the Principal Cyber Advisor of the
Department of Defense, shall submit to the congres-
sional defense committees a report on the assess-
ment and evaluation required under subsection (a).

(2) FORM.—The report required under para-
graph (1) may be submitted in classified or unclassi-
ified form, as necessary.

SEC. 1630. ESTABLISHMENT OF INTEGRATED CYBER CEN-
TER.

(a) IN GENERAL.—Not later than 180 days after the
date of the enactment of this Act, the Secretary of Home-
land Security, in coordination with the Secretary of De-
defense, the Attorney General, the Director of the Federal
Bureau of Investigation, and the Director of National Intelligence, shall submit to the relevant congressional committees a report on Federal cybersecurity centers and the potential for better coordination of Federal cyber efforts at an integrated cyber center within the national cybersecurity and communications integration center of the Department of Homeland Security established pursuant to section 2209 of the Homeland Security Act of 2002 (6 U.S.C. 659).

(b) CONTENTS.—To prepare the report required by subsection (a), the Secretary of Homeland Security shall aggregate information from components of the Department of Homeland Security with information provided to the Secretary of Homeland Security by the Secretary of Defense, the Attorney General, the Director of the Federal Bureau of Investigation, and the Director of National Intelligence. Such aggregated information shall relate to the following topics:

(1) Any challenges regarding capacity and funding identified by the Secretary of Homeland Security, the Director of the Federal Bureau of Investigation, the Attorney General, the Secretary of Defense, or the Director of National Intelligence that negatively impact coordination with the national cybersecurity and communications integration center

(2) Distinct statutory authorities identified by the Secretary of Homeland Security, the Attorney General, the Director of the Federal Bureau of Investigation, the Secretary of Defense, or the Director of National Intelligence that should not be leveraged by an integrated cyber center within the national cybersecurity and communications integration center.

(3) Any challenges associated with effective mission coordination and deconfliction between the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security and other Federal agencies that could be addressed with the creation of an integrated cyber center within the national cybersecurity and communications integration center.

(4) How capabilities or missions of existing Federal cyber centers could benefit from greater integration or collocation to support cybersecurity collaboration with critical infrastructure at an integrated cyber center within the national cybersecurity
and communications integration center, including
the following Federal cyber centers:

(A) The National Security Agency’s Cyber
Threat Operations Center.

(B) United States Cyber Command’s Joint
Operations Center.

(C) The Office of the Director of National
Intelligence’s Cyber Threat Intelligence Integra-
tion Center.

(D) The Federal Bureau of Investigation’s
National Cyber Investigative Joint Task Force.

(E) The Department of Defense’s Defense
Cyber Crime Center.

(F) The Office of the Director of National
Intelligence’s Intelligence Community Security
Coordination Center.

(c) ELEMENTS.—The report required under sub-
section (a) shall—

(1) identify any challenges regarding the Cyber-
security and Infrastructure Security Agency’s cur-
rent authorities, structure, resources, funding, abil-
ity to recruit and retain its workforce, or inter-
agency coordination that negatively impact the abil-
ity of the Agency to fulfill its role as the central co-
ordinator for critical infrastructure cybersecurity
and resilience pursuant to its authorities under the Homeland Security Act of 2002, and information on how establishing an integrated cyber center within the national cybersecurity and communications integration center would address such challenges;

(2) identify any facility needs for the Cybersecurity and Infrastructure Security Agency to adequately host personnel, maintain sensitive compartmented information facilities, and other resources to serve as the primary coordinating body charged with forging whole-of-government, public-private collaboration in cybersecurity, pursuant to such authorities;

(3) identify any lessons from the United Kingdom’s National Cybersecurity Center model to determine whether an integrated cyber center within the Cybersecurity and Infrastructure Security Agency should be similarly organized into an unclassified environment and a classified environment;

(4) recommend any changes to procedures and criteria for increasing and expanding the participation and integration of public- and private-sector personnel into Federal cyber defense and security efforts, including continuing limitations or hurdles in the security clearance program for private sector partners and integrating private sector partners into
a Cybersecurity and Infrastructure Security Agency integrated cyber center; and

(5) propose policies, programs, or practices that could overcome challenges identified in the aggregated information under subsection (b), including the creation of an integrated cyber center within the national cybersecurity and communications integration center, accompanied by legislative proposals, as appropriate.

(d) PLAN.—Upon submitting the report pursuant to subsection (a), the Secretary of Homeland Security, in coordination with the Secretary of Defense, the Attorney General, the Director of the Federal Bureau of Investigation, and the Director of National Intelligence, shall develop a plan to establish an integrated cyber center within the national cybersecurity and communications integration center.

(e) ESTABLISHMENT.—Not later than one year after the submission of the report required under subsection (a), the Secretary of Homeland Security, in coordination with the Secretary of Defense, the Attorney General, the Director of the Federal Bureau of Investigation, and the Director of National Intelligence, shall begin establishing an integrated cyber center in the national cybersecurity and communications integration center.
(f) ANNUAL UPDATES.—Beginning one year after the submission of the report required under subsection (a) and annually thereafter, the Secretary of Homeland Security, in coordination with the Secretary of Defense, the Attorney General, the Director of the Federal Bureau of Investigation, and the Director of National Intelligence, shall submit to the relevant congressional committees updates regarding efforts to establish and operate an integrated cyber center in the national cybersecurity and communications integration center pursuant to subsection (e), including information on progress made toward overcoming any challenges identified in the report required by subsection (a).

(g) PRIVACY REVIEW.—The Privacy Officers of the Department of Homeland Security, the Department of Defense, the Department of Justice, and the Federal Bureau of Investigation, and the Director of National Intelligence shall review and provide to the relevant congressional committees comment, as appropriate, on each report and legislative proposal submitted under this section.

(h) DEFINITION.—In this section, the term “relevant congressional committees” means—

(1) in the House of Representatives—

(A) the Committee on Armed Services;

(B) the Committee on the Judiciary;
(C) the Permanent Select Committee on Intelligence; and
(D) the Committee on Homeland Security;
and
(2) in the Senate—
(A) the Committee on Armed Services;
(B) the Committee on the Judiciary;
(C) the Select Committee on Intelligence;
and
(D) the Committee on Homeland Security and Governmental Affairs.

SEC. 1631. CYBER THREAT INFORMATION COLLABORATION ENVIRONMENT.

(a) In general.—In consultation with the Cyber Threat Data Standards and Interoperability Council established pursuant to subsection (d), the Secretary of Homeland Security, in coordination with the Secretary of Defense and the Director of National Intelligence (acting through the Director of the National Security Agency), shall develop an information collaboration environment and associated analytic tools that enable entities to identify, mitigate, and prevent malicious cyber activity to—

(1) provide limited access to appropriately operationally relevant data about cybersecurity risks and cybersecurity threats, including malware forensics
and data from network sensor programs, on a platform that enables query and analysis;

(2) allow such tools to be used in classified and unclassified environments drawing on classified and unclassified data sets;

(3) enable cross-correlation of data on cybersecurity risks and cybersecurity threats at the speed and scale necessary for rapid detection and identification;

(4) facilitate a comprehensive understanding of cybersecurity risks and cybersecurity threats; and

(5) facilitate collaborative analysis between the Federal Government and private sector critical infrastructure entities and information and analysis organizations.

(b) Implementation of Information Collaboration Environment.—

(1) Evaluation.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Homeland Security, acting through the Director of the Cybersecurity and Infrastructure Security Agency of the Department of Homeland Security, in coordination with the Secretary of Defense and the Director of National Intelligence (acting
through the Director of the National Security Agen-
y), shall—

(A) identify, inventory, and evaluate exist-
ing Federal sources of classified and unclassi-
ified information on cybersecurity threats;

(B) evaluate current programs, applica-
tions, or platforms intended to detect, identify,
analyze, and monitor cybersecurity risks and
cybersecurity threats; and

(C) coordinate with private sector critical
infrastructure entities and, as determined ap-
propriate by the Secretary of Homeland Secu-
rity, in consultation with the Secretary of De-
defense, other private sector entities, to identify
private sector cyber threat capabilities, needs,
and gaps.

(2) IMPLEMENTATION.—Not later than one
year after the evaluation required under paragraph
(1), the Secretary of Homeland Security, acting
through the Director of the Cybersecurity and Infra-
structure Security Agency, in coordination with the
Secretary of Defense and the Director of National
Intelligence (acting through the Director of the Na-
tional Security Agency), shall begin implementation
of the information collaboration environment devel-
oped pursuant to subsection (a) to enable participants in such environment to develop and run analytic tools referred to in such subsection on specified data sets for the purpose of identifying, mitigating, and preventing malicious cyber activity that is a threat to government and critical infrastructure. Such environment and use of such tools shall—

(A) operate in a manner consistent with relevant privacy, civil rights, and civil liberties policies and protections, including such policies and protections established pursuant to section 1016 of the Intelligence Reform and Terrorism Prevention Act of 2004 (6 U.S.C. 485);

(B) account for appropriate data standards and interoperability requirements, consistent with the standards set forth in subsection (d);

(C) enable integration of current applications, platforms, data, and information, including classified information, in a manner that supports integration of unclassified and classified information on cybersecurity risks and cybersecurity threats;

(D) incorporate tools to manage access to classified and unclassified data, as appropriate;
(E) ensure accessibility by entities the Secretary of Homeland Security, in consultation with the Secretary of Defense and the Director of National Intelligence (acting through the Director of the National Security Agency), determines appropriate;

(F) allow for access by critical infrastructure stakeholders and other private sector partners, at the discretion of the Secretary of Homeland Security, in consultation with the Secretary of Defense;

(G) deploy analytic tools across classification levels to leverage all relevant data sets, as appropriate;

(H) identify tools and analytical software that can be applied and shared to manipulate, transform, and display data and other identified needs; and

(I) anticipate the integration of new technologies and data streams, including data from government-sponsored network sensors or network-monitoring programs deployed in support of State, local, Tribal, and territorial governments or private sector entities.
(c) Annual Review of Impacts on Privacy, Civil Rights, and Civil Liberties.—The Secretary of Homeland Security and the Director of National Intelligence (acting through the Director of the Cybersecurity and Infrastructure Security Agency and the Director of the National Security Agency, respectively) shall direct the Privacy, Civil Rights, and Civil Liberties Officers of their respective agencies, in consultation with Privacy, Civil Rights, and Civil Liberties Officers of other Federal agencies participating in the information collaboration environment, to conduct an annual review of the information collaboration environment for compliance with fair information practices and civil rights and civil liberties policies.

Each such report shall be—

(1) unclassified, to the maximum extent possible, but may contain a non-public or classified annex to protect sources or methods and any other sensitive information restricted by Federal law;

(2) with respect to the unclassified portions of each such report, made available on the public internet websites of the Department of Homeland Security and the Office of the Director of National Intelligence—
(A) not later than 30 days after submission to the appropriate congressional committees; and

(B) in an electronic format that is fully indexed and searchable; and

(3) with respect to a classified annex, submitted to the appropriate congressional committees in an electronic format that is fully indexed and searchable.

(d) Post-Deployment Assessment.—Not later than two years after the implementation of the information collaboration environment under subsection (b), the Secretary of Homeland Security, the Secretary of Defense, and the Director of National Intelligence (acting through the Director of the National Security Agency) shall jointly submit to the appropriate congressional committees an assessment of whether to include additional entities, including critical infrastructure information sharing and analysis organizations, in such environment.

(e) Cyber Threat Data Standards and Interoperability Council.—

(1) Establishment.—There is established an interagency council, to be known as the “Cyber Threat Data Standards and Interoperability Council” (in this subsection referred to as the “council”),
chaired by the Secretary of Homeland Security, to
establish data standards and requirements for public
and private sector entities to participate in the infor-
mation collaboration environment developed pursu-
ant to subsection (a).

(2) Other membership.—

(A) Principal members.—In addition to
the Secretary of Homeland Security, the council
shall be composed of the Director of the Cyber-
security and Infrastructure Security Agency of
the Department of Homeland Security, the Sec-
retary of Defense, and the Director of National
Intelligence (acting through the Director of the
National Security Agency).

(B) Additional members.—The Presi-
dent shall identify and appoint council members
from public and private sector entities who
oversee programs that generate, collect, or dis-
seminate data or information related to the de-
tection, identification, analysis, and monitoring
of cybersecurity risks and cybersecurity threats,
based on recommendations submitted by the
Secretary of Homeland Security, the Secretary
of Defense, and the Director of National Intel-
ligence (acting through the Director of the Na-
tional Security Agency).

(3) DATA STREAMS.—The council shall identify,
designate, and periodically update programs that
shall participate in or be interoperable with the in-
formation collaboration environment developed pur-
suant to subsection (a), which may include the fol-
lowing:

(A) Network-monitoring and intrusion de-
tection programs.

(B) Cyber threat indicator sharing pro-
grams.

(C) Certain government-sponsored network
sensors or network-monitoring programs.

(D) Incident response and cybersecurity
technical assistance programs.

(E) Malware forensics and reverse-engi-
neering programs.

(F) The defense industrial base threat in-
telligence program of the Department of De-
fense.

(4) DATA GOVERNANCE.—The council shall es-
establish a committee comprised of the privacy officers
of the Department of Homeland Security, the De-
partment of Defense, and the National Security
Agency. Such committee shall establish procedures and data governance structures, as necessary, to protect sensitive data, comply with Federal regulations and statutes, and respect existing consent agreements with private sector critical infrastructure entities that apply to critical infrastructure information.

(5) **RECOMMENDATIONS.**—The council shall, as appropriate, submit recommendations to the President to support the operation, adaptation, and security of the information collaboration environment developed pursuant to subsection (a).

(f) **NO ADDITIONAL ACTIVITIES AUTHORIZED.**—Nothing in section may be construed to—

(1) alter the responsibility of entities to follow guidelines issued pursuant to section 105(b) of the Cybersecurity Act of 2015 (6 U.S.C. 1504(b); enacted as division N of the Consolidated Appropriations Act, 2016 (Public Law 114–113)) with respect to data obtained by an entity in connection with activities authorized under the Cybersecurity Act of 2015 and shared through the information collaboration environment developed pursuant to subsection (a); or
(2) authorize Federal or private entities to share information in a manner not already permitted by law.

(g) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term “appropriate congressional committees” means—

(A) in the House of Representatives—

(i) the Permanent Select Committee on Intelligence;

(ii) the Committee on Homeland Security;

(iii) the Committee on the Judiciary;

and

(iv) the Committee on Armed Services; and

(B) in the Senate—

(i) the Select Committee on Intelligence;

(ii) the Committee on Homeland Security and Governmental Affairs;

(iii) the Committee on the Judiciary;

and

(iv) the Committee on Armed Services.
(2) **Critical Infrastructure.**—The term “critical infrastructure” has the meaning given such term in section 1016(e) of Public Law 107–56 (42 U.S.C. 5195c(e)).

(3) **Critical Infrastructure Information.**—The term “critical infrastructure information” has the meaning given such term in section 2222 of the Homeland Security Act of 2002 (6 U.S.C. 671).

(4) **Cyber Threat Indicator.**—The term “cyber threat indicator” has the meaning given such term in section 102(6) of the Cybersecurity Act of 2015 (enacted as division N of the Consolidated Appropriations Act, 2016 (Public Law 114–113; 6 U.S.C. 1501(6))).

(5) **Cybersecurity Risk.**—The term “cybersecurity risk” has the meaning given such term in section 2209 of the Homeland Security Act of 2002 (6 U.S.C. 659).

(6) **Cybersecurity Threat.**—The term “cybersecurity threat” has the meaning given such term in section 102(5) of the Cybersecurity Act of 2015 (enacted as division N of the Consolidated Appropriations Act, 2016 (Public Law 114–113; 6 U.S.C. 1501(5))).
(7) INFORMATION SHARING AND ANALYSIS ORGANIZATION.—The term “information sharing and analysis organization” has the meaning given such term in section 2222 of the Homeland Security Act of 2002 (6 U.S.C. 671).

SEC. 1632. DEFENSE INDUSTRIAL BASE PARTICIPATION IN A THREAT INTELLIGENCE SHARING PROGRAM.

(a) DEFINITION.—In this section, the term “defense industrial base” means the worldwide industrial complex with capabilities to perform research and development, design, produce, deliver, and maintain military weapon systems, subsystems, components, or parts to meet military requirements.

(b) DEFENSE INDUSTRIAL BASE THREAT INTELLIGENCE PROGRAM.—

(1) IN GENERAL.—The Secretary of Defense shall establish a threat intelligence program to share with and obtain from the defense industrial base information and intelligence on threats to national security.

(2) PROGRAM REQUIREMENTS.—At a minimum, the Secretary of Defense shall ensure the threat intelligence sharing program established pursuant to paragraph (1) includes the following:
(A) Cybersecurity incident reporting requirements that—

   (i) extend beyond current mandatory incident reporting requirements;

   (ii) set specific timeframes for all categories of such mandatory incident reporting; and

   (iii) create a single clearinghouse for all such mandatory incident reporting to the Department of Defense, including covered unclassified information, covered defense information, and classified information.

(B) A mechanism for developing a shared and real-time picture of the threat environment.

(C) Joint, collaborative, and co-located analytics.

(D) Investments in technology and capabilities to support automated detection and analysis across the defense industrial base.

(E) Coordinated intelligence sharing with relevant domestic law enforcement and counterintelligence agencies, in coordination, respectively, with the Director of the Federal Bureau
of Investigation and the Director of National Intelligence.

(F) A process for direct sharing of threat intelligence related to a specific defense industrial base entity with such entity.

(3) EXISTING INFORMATION SHARING PROGRAMS.—The Secretary of Defense may utilize an existing Department of Defense information sharing program to satisfy the requirement under paragraph (1) if such existing program includes, or is modified to include, two-way sharing of threat information that is specifically relevant to the defense industrial base, including satisfying the requirements specified in paragraph (2).

(4) INTELLIGENCE QUERIES.—As part of a threat intelligence sharing program under this subsection, the Secretary of Defense shall require defense industrial base entities holding a Department of Defense contract to consent to queries of foreign intelligence collection databases related to such entity as a condition of such contract.

(c) THREAT INTELLIGENCE PROGRAM PARTICIPATION.—

(1) PROHIBITION ON PROCUREMENT.—Beginning on the date that is than one year after the date
of the enactment of this Act, the Secretary of De-
fense may not procure or acquire, or extend or
renew a contract to procure or acquire, any item,
equipment, system, or service from any entity that
is not a participant in—

(A) the threat intelligence sharing program
established pursuant paragraph (1) of sub-
section (b); or

(B) a comparably widely-utilized threat in-
telligence sharing program described in para-
graph (3) of such subsection.

(2) APPLICATION TO SUBCONTRACTORS.—No
entity holding a Department of Defense contract
may subcontract any portion of such contract to an-
other entity unless that second entity—

(A) is a participant in a threat intelligence
sharing program under this section; or

(B) has received a waiver pursuant to sub-
section (d).

(3) IMPLEMENTATION.—In implementing the
prohibition under paragraph (1), the Secretary of
Defense—

(A) may create tiers of requirements and
participation within the applicable threat intel-
ligence sharing program referred to in such paragraph based on—

(i) an evaluation of the role of and relative threats related to entities within the defense industrial base; and

(ii) cybersecurity maturity model certification level; and

(B) shall prioritize available funding and technical support to assist entities as is reasonably necessary for such entities to participate in a threat intelligence sharing program under this section.

(d) WAIVER AUTHORITY.—

(1) WAIVER.—The Secretary of Defense may waive the prohibition under subsection (b)—

(A) with respect to an entity or class of entities, if the Secretary determines that the requirement to participate in a threat intelligence sharing program under this section is unnecessary to protect the interests of the United States; or

(B) at the request of an entity, if the Secretary determines there is compelling justification for such waiver.
(2) Periodic reevaluation.—The Secretary of Defense shall periodically reevaluate any waiver issued pursuant to paragraph (1) and promptly revoke any waiver the Secretary determines is no longer warranted.

(e) Regulations.—

(1) Rulemaking authority.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall promulgate such rules and regulations as are necessary to carry out this section.

(2) CMMC harmonization.—The Secretary of Defense shall ensure that the threat intelligence sharing program requirements set forth in the rules and regulations promulgated pursuant to paragraph (1) consider an entity’s maturity and role within the defense industrial base, in accordance with the maturity certification levels established in the Department of Defense Cybersecurity Maturity Model Certification program.

SEC. 1633. ASSISTANCE FOR SMALL MANUFACTURERS IN THE DEFENSE INDUSTRIAL SUPPLY CHAIN ON MATTERS RELATING TO CYBERSECURITY.

(a) In general.—Subject to the availability of appropriations, the Secretary of Defense, in consultation
with the Director of the National Institute of Standards and Technology, may award financial assistance to a Center for the purpose of providing cybersecurity services to small manufacturers.

(b) CRITERIA.—If the Secretary carries out subsection (a), the Secretary, in consultation with the Director, shall establish and publish on the grants.gov website, or successor website, criteria for selecting recipients for financial assistance under this section.

(c) USE OF FINANCIAL ASSISTANCE.—Financial assistance under this section—

(1) shall be used by a Center to provide small manufacturers with cybersecurity services relating to—

(A) compliance with the cybersecurity requirements of the Department of Defense Supplement to the Federal Acquisition Regulation, including awareness, assessment, evaluation, preparation, and implementation of cybersecurity services; and

(B) achieving compliance with the Cybersecurity Maturity Model Certification framework of the Department of Defense; and
(2) may be used by a Center to employ trained personnel to deliver cybersecurity services to small manufacturers.

(d) Biennial Reports.—

(1) In general.—Not less frequently than once every two years, the Secretary shall submit to the congressional defense committees, the Committee on Commerce, Science, and Transportation of the Senate, and the Committee on Science, Space, and Technology of the House of Representatives a biennial report on financial assistance awarded under this section.

(2) Contents.—To the extent practicable, each report submitted under paragraph (1) shall include the following with respect to the years covered by the report:

(A) The number of small manufacturing companies assisted.

(B) A description of the cybersecurity services provided.

(C) A description of the cybersecurity matters addressed.

(D) An analysis of the operational effectiveness and cost-effectiveness of the cybersecurity services provided.
(e) TERMINATION.—The authority of the Secretary to award of financial assistance under this section shall terminate on the date that is five years after the date of the enactment of this Act.

(f) DEFINITIONS.—In this section:

(1) The term “Center” has the meaning given such term in section 25(a) of the National Institute of Standards and Technology Act (15 U.S.C. 278k(a)).

(2) The term “small manufacturer” has the meaning given that term in section 1644(g) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C. 2224 note).

SEC. 1634. DEFENSE INDUSTRIAL BASE CYBERSECURITY

THREAT HUNTING AND SENSING, DISCOVERY, AND MITIGATION.

(a) DEFINITION.—In this section:

(1) DEFENSE INDUSTRIAL BASE.—The term “defense industrial base” means the worldwide industrial complex with capabilities to perform research and development, design, produce, deliver, and maintain military weapon systems, subsystems, components, or parts to meet military requirements.
(2) ADVANCED DEFENSE INDUSTRIAL BASE.—

The term “advanced defense industrial base” means any entity in the defense industrial base holding a Department of Defense contract that requires a cybersecurity maturity model certification of level 4 or higher.

(b) DEFENSE INDUSTRIAL BASE CYBERSECURITY THREAT HUNTING STUDY.—

(1) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a study of the feasibility and resourcing required to establish the Defense Industrial Base Cybersecurity Threat Hunting Program (in this section referred to as the “Program”) described in subsection (c).

(2) ELEMENTS.—The study required under paragraph (1) shall—

(A) establish the resources necessary, governance structures, and responsibility for execution of the Program, as well as any other relevant considerations determined by the Secretary;

(B) include a conclusive determination of the Department of Defense’s capacity to estab-
lish the Program by the end of fiscal year 2021;

and

(C) identify any barriers that would prevent such establishment.

(c) Defense Industrial Base Cybersecurity Threat Hunting Program.—

(1) In general.—Upon a positive determination of the Program’s feasibility pursuant to the study required under subsection (b), the Secretary of Defense shall establish the Program to actively identify cybersecurity threats and vulnerabilities within the information systems, including covered defense networks containing controlled unclassified information, of entities in the defense industrial base.

(2) Program levels.—In establishing the Program in accordance with paragraph (1), the Secretary of Defense shall develop a tiered program that takes into account the following:

(A) The cybersecurity maturity of entities in the defense industrial base.

(B) The role of such entities.

(C) Whether each such entity possesses controlled unclassified information and covered defense networks.
(D) The covered defense information to which such an entity has access as a result of contracts with the Department of Defense.

(3) PROGRAM REQUIREMENTS.—The Program shall—

(A) include requirements for mitigating any vulnerabilities identified pursuant to the Program;

(B) provide a mechanism for the Department of Defense to share with entities in the defense industrial base malicious code, indicators of compromise, and insights on the evolving threat landscape;

(C) provide incentives for entities in the defense industrial base to share with the Department of Defense, including the National Security Agency’s Cybersecurity Directorate, threat and vulnerability information collected pursuant to threat monitoring and hunt activities; and

(D) mandate a minimum level of program participation for any entity that is part of the advanced defense industrial base.

(d) THREAT IDENTIFICATION PROGRAM PARTICIPATION.—
(1) Prohibition on Procurement.—If the Program is established pursuant to subsection (e), beginning on the date that is one year after the date of the enactment of this Act, the Secretary of Defense may not procure or obtain, or extend or renew a contract to procure or obtain, any item, equipment, system, or service from any entity in the defense industrial base that is not in compliance with the requirements of the Program.

(2) Implementation.—In implementing the prohibition under paragraph (1), the Secretary of Defense shall prioritize available funding and technical support to assist affected entities in the defense industrial base as is reasonably necessary for such affected entities to commence participation in the Program and satisfy Program requirements.

(3) Waiver Authority.—

(A) Waiver.—The Secretary of Defense may waive the prohibition under paragraph (1)—

(i) with respect to an entity or class of entities in the defense industrial base, if the Secretary determines that the requirement to participate in the Program is un-
necessary to protect the interests of the United States; or

(ii) at the request of such an entity, if the Secretary determines there is a compelling justification for such waiver.

(B) PERIODIC REEVALUATION.—The Secretary of Defense shall periodically reevaluate any waiver issued pursuant to subparagraph (A) and revoke any such waiver the Secretary determines is no longer warranted.

(e) USE OF PERSONNEL AND THIRD-PARTY THREAT HUNTING AND SENSING CAPABILITIES.—In carrying out the Program, the Secretary of Defense may—

(1) utilize Department of Defense personnel to hunt for threats and vulnerabilities within the information systems of entities in the defense industrial base that have an active contract with Department of Defense;

(2) certify third-party providers to hunt for threats and vulnerabilities on behalf of the Department of Defense;

(3) require the deployment of network sensing technologies capable of identifying and filtering malicious network traffic; or
(4) employ a combination of Department of De-
fense personnel and third-party providers and tools,
as the Secretary determines necessary and appro-
appropriate, for the entity described in paragraph (1).

(f) REGULATIONS.—

(1) RULEMAKING AUTHORITY.—Not later than
180 days after the date of the enactment of this Act,
the Secretary of Defense shall promulgate such rules
and regulations as are necessary to carry out this
section.

(2) CMMC HARMONIZATION.—In promulgating
rules and regulations pursuant to paragraph (1), the
Secretary of Defense shall consider how best to inte-
grate the requirements of this section with the De-
partment of Defense Cybersecurity Maturity Model
Certification program.

SEC. 1635. DEFENSE DIGITAL SERVICE.

(a) RELATIONSHIP WITH UNITED STATES DIGITAL
SERVICE.—Not later than 120 days after the date of the
enactment of this Act, the Secretary of Defense and the
Administrator of the United States Digital Service shall
establish a direct relationship between the Department of
Defense and the United States Digital Service to address
authorities, hiring processes, roles, and responsibilities.
(b) CERTIFICATION.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense and the Administrator of the United States Digital Service shall jointly certify to the congressional defense committees that the skills and qualifications of the Department of Defense personnel assigned to and supporting the core functions of the Defense Digital Service are consistent with the skills and qualifications United States Digital Service personnel.

SEC. 1636. LIMITATION OF FUNDING FOR NATIONAL DEFENSE UNIVERSITY.

Of the funds authorized to be appropriated by this Act for fiscal year 2021 for the National Defense University, not more than 60 percent of such funds may be obligated or expended until the Joint Staff and the National Defense University present to the congressional defense committees the following:

(1) A comprehensive plan for resourcing and growing the student population of the College of Information and Cyberspace, including by—

(A) enrolling a minimum of 350 cyber workforce students per academic year; and

(B) graduating a minimum of 42 students (including a minimum of 28 United States military students) in the Joint Professional Military
Education Phase II War College 10-month resident program in fiscal year 2021, and implementing a plan to graduate a minimum of 70 students (including a minimum of 50 United States military and civilian students) in fiscal year 2023 and in each year thereafter through the Future Year Defense Program.

(2) Budget documents for the Future Year Defense Program which show funding for the College of Information and Cyberspace to support the comprehensive plan described in subsection (a).

(3) A comprehensive presentation of how programs of study on cyber-related matters are being expanded and integrated into Joint Professional Military Education at all National Defense University constituent colleges.

Subtitle D—Nuclear Forces

SEC. 1641. COORDINATION IN TRANSFER OF FUNDS BY DEPARTMENT OF DEFENSE TO NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) In General.—Section 179(f)(3) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

“(D) The Secretary of Defense and the Secretary of Energy shall ensure that a transfer of estimated nuclear
budget request authority is carried out in a manner that
provides for coordination between the Secretary of De-
fense and the Administrator for Nuclear Security using
appropriate interagency processes during the process in
which the Secretaries develop the budget materials of the
Department of Defense and the National Nuclear Security
Administration, including by beginning such coordination
by not later than June 30 for such budget materials that
will be submitted during the following year.”

(b) REPORTS.—Subparagraph (B) of such section is
amended by adding at the end the following new clause:

“(iv) A description of the total amount of the
proposed estimated nuclear budget request authority
to be transferred by the Secretary of Defense to the
Secretary of Energy to support the weapons activi-
ties of the National Nuclear Security Administra-
tion, including—

“(A) identification of any trade-offs made
within the budget of the Department of Defense
as part of such proposed transfer; and

“(B) a certification made jointly by the
Secretaries that such proposed transfer was de-
veloped in a manner that allowed for the coordi-
nation described in subparagraph (D).”).
SEC. 1642. EXERCISES OF NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS SYSTEM.

(a) REQUIREMENT.—Chapter 24 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 499b. Exercises of nuclear command, control, and communications system

“(a) REQUIRED EXERCISES.—Except as provided by subsection (b), beginning 2021, the President shall participate in a large-scale exercise of the nuclear command, control, and communications system during the first year of each term of the President, and may participate in such additional exercises as the President determines appropriate.

“(b) WAIVER.—The President may waive, on a case-by-case basis, the requirement to participate in an exercise under subsection (a) if the President—

“(1) determines that participating in such an exercise is infeasible by reason of a war declared by Congress, a national emergency declared by the President or Congress, a public health emergency declared by the Secretary of Health and Human Services under section 319 of the Public Health Service Act (42 U.S.C. 247d), or other similar exigent circumstance; and
“(2) submits to the congressional defense committees a notice of the waiver and a description of such determination.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

“499b. Exercises of nuclear command, control, and communications system.”.

SEC. 1643. INDEPENDENT STUDIES ON NUCLEAR WEAPONS PROGRAMS OF CERTAIN FOREIGN STATES.

(a) STUDY.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into a contract with a federally funded research and development center to conduct a study on the nuclear weapons programs of covered foreign countries.

(b) MATTERS INCLUDED.—The study under subsection (a) shall compile open-source data to conduct an analysis of the following for each covered foreign country:

(1) The activities, budgets, and policy documents, regarding the nuclear weapons program.

(2) The known research and development activities with respect to nuclear weapons.

(3) The inventories of nuclear weapons and delivery vehicles with respect to both deployed and nondeployed weapons.
(4) The capabilities of such nuclear weapons and delivery vehicles.

(5) The physical sites used for nuclear processing, testing, and weapons integration.

(6) The human capital of the scientific and technical workforce involved in nuclear programs, including with respect to matters relating to the education, knowledge, and technical capabilities of that workforce.

(7) The known deployment areas for nuclear weapons.

(8) Information with respect to the nuclear command and control system.

(9) The factors and motivations driving the nuclear weapons program and the nuclear command and control system.

(10) Any other information that the federally funded research and development center determines appropriate.

(c) Submission to DOD.—Not later than 14 months after the date of the enactment of this Act, and each year thereafter for the following two years, the federally funded research and development center shall submit to the Secretary the study under subsection (a) and any updates to the study.
(d) Submission to Congress.—Not later than 30 days after the date on which the Secretary receives the study under subsection (a) or updates to the study, the Secretary shall submit to the appropriate congressional committees the study or such updates, without change.

(e) Public Release.—The federally funded research and development center shall maintain an internet website on which the center—

(1) publishes the study under subsection (a) by not later than 30 days after the date on which the Secretary receives the study under subsection (e); and

(2) provides on an ongoing basis commentaries, analyses, updates, and other information regarding the nuclear weapons of covered foreign countries.

(f) Form.—The study under subsection (a) shall be in unclassified form.

(g) Modification to Report on Nuclear Forces of the United States and Near-peer Countries.—Section 1676 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1778) is amended—

(1) in subsection (a), by striking “Not later than February 15, 2020, the Secretary of Defense, in coordination with the Director of National Intel-
ligence, shall” and inserting “Not later than February 15, 2020, and each year thereafter through 2023, the Secretary of Defense and the Director of National Intelligence shall jointly”; and

(2) in subsection (b), by adding at the end the following new paragraph:

“(4) With respect to the current and planned nuclear systems specified in paragraphs (1) through (3), the factors and motivations driving the development and deployment of the systems.”.

(h) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the congressional defense committees;

(B) the Committee on Foreign Affairs and the Permanent Select Committee on Intelligence of the House of Representatives; and

(C) the Committee on Foreign Relations and the Select Committee on Intelligence of the Senate.

(2) The term “covered foreign country” means each of the following:

(A) China.

(B) North Korea.

(C) Russia.
The term “open-source data” includes data derived from, found in, or related to any of the following:

(A) Geospatial information.
(B) Seismic sensors.
(C) Commercial data.
(D) Public government information.
(E) Academic journals and conference proceedings.
(F) Media reports.
(G) Social media.

Subtitle E—Missile Defense Programs

SEC. 1651. EXTENSION AND MODIFICATION OF REQUIREMENT FOR COMPTROLLER GENERAL OF THE UNITED STATES REVIEW AND ASSESSMENT OF MISSILE DEFENSE ACQUISITION PROGRAMS.


(1) in paragraph (1), by striking “through 2020” and inserting “through 2025”; and
(2) in paragraph (2)—

(A) by striking “through 2021” and inserting “through 2026”; and

(B) by adding at the end the following new sentence: “In carrying out this subsection, the Comptroller General shall review emergent issues relating to such programs and account-ability and, in consultation with the congres-sional defense committees, either include any findings from the review in the reports sub-mitted under this paragraph or provide to such committees a briefing on the findings.”.

SEC. 1652. EXTENSION OF TRANSITION OF BALLISTIC MIS-SILE DEFENSE PROGRAMS TO MILITARY DE-PARTMENTS.

Section 1676(b)(1) of the National Defense Author-ization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is amended by striking “2021” and in-serting “2023”.

SEC. 1653. DEVELOPMENT OF HYPERSONIC AND BALLISTIC MISSILE TRACKING SPACE SENSOR PAYLOAD.

(a) FINDINGS; SENSE OF CONGRESS.—

(1) FINDINGS.—Congress finds the following:

(A) Subsection (d) of section 1683 of the National Defense Authorization Act for Fiscal
Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note), as amended by section 1683 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92), requires the Director of the Missile Defense Agency to develop a hypersonic and ballistic tracking space sensor payload to address missile defense tracking requirements.

(B) The budget of the President for fiscal year 2021 submitted under section 1105 of title 31, United States Code, did not provide any funding for the Missile Defense Agency to continue the development of such sensor payload.

(2) SENSE OF CONGRESS.—It is the sense of Congress that—

(A) regardless of the overall architecture for a missile defense tracking space layer, the Director of the Missile Defense Agency should remain the material developer for the hypersonic and ballistic tracking space sensor payload to ensure that—

(i) unique hypersonic and ballistic missile tracking requirements are met; and

(ii) the system can be integrated into the existing missile defense system com-
mand and control, battle management, and communications system; and

(B) the Secretary of Defense should ensure transparency of funding for this effort to ensure proper oversight can be conducted on this critical capability.

(b) LIMITATION.—Subsection (d) of section 1683 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note), as amended by section 1683 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92), is amended by adding at the end the following new paragraph:

“(3) LIMITATION.—Of the funds authorized to be appropriated by the National Defense Authorization Act for Fiscal Year 2021 or otherwise made available for fiscal year 2021 for operation and maintenance, Defense-wide, for the Space Defense Agency, not more than 50 percent may be obligated or expended until the date on which the Secretary submits the certification under paragraph (2)(B).”.

(c) COORDINATION.—Subsection (a) of such section is amended by striking “the Commander of the Air Force Space Command and” and inserting “the Chief of Space Operations, the Commander of the United States Space
Command, the Commander of the United States Northern Command, and’’.

SEC. 1654. ANNUAL CERTIFICATION ON HYPersonic AND BALLISTIC MISSILE TRACKING SPACE SENSOR PAYLOAD.

(a) FINDING; SENSE OF CONGRESS.—

(1) FINDING.—Congress finds that the budget submitted by the President under section 1105(a) of title 31, United States Code, for fiscal year 2021 does not fully fund an operational capability for the hypersonic and ballistic missile tracking space sensor within the tracking layer of the persistent space-based sensor architecture of the Space Development Agency, despite such space sensor being a requirement by the combatant commanders and being highlighted as a needed capability against both hypersonic and ballistic threats in the Missile Defense Review published in 2019.

(2) SENSE OF CONGRESS.—It is the sense of Congress that the Missile Defense Agency hypersonic and ballistic missile tracking space sensor must be prioritized within the persistent space-based sensor architecture of the Space Development Agency to ensure the delivery of capabilities to the warfighter as soon as possible.
(b) **ANNUAL CERTIFICATION.**—Subsection (d) of section 1683 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note), as amended by section 1653, is further amended by adding at the end the following new paragraph:

“(4) **ANNUAL CERTIFICATION.**—On an annual basis until the date on which the hypersonic and ballistic tracking space sensor payload achieves full operational capability, the Secretary of Defense, without delegation, shall submit to the appropriate congressional committees a certification that—

“(A) the most recent future-years defense program submitted under section 221 of title 10, United States Code, includes estimated expenditures and proposed appropriations in amounts necessary to ensure the development and deployment of such space sensor payload as a component of the sensor architecture developed under subsection (a); and

“(B) the Commander of the United States Space Command has validated both the ballistic and hypersonic tracking requirements of, and the timeline to deploy, such space sensor payload.”.
SEC. 1655. ALIGNMENT OF THE MISSILE DEFENSE AGENCY WITHIN THE DEPARTMENT OF DEFENSE.

(a) FINDINGS.—Congress finds the following:

(1) Since the Missile Defense Agency was aligned to be under the authority, direction, and control of the Under Secretary of Defense for Research and Engineering pursuant to section 205(b) of title 10, United States Code, the advanced technology development budget requests in the defense budget materials (as defined in section 231(f) of title 10, United States Code) have decreased by more than 650 percent, from a request for $292,000,000 for fiscal year 2018 (the highest such request) to a request for $45,000,000 for fiscal year 2021.

(2) The overwhelming majority of the budget of the Missile Defense Agency is invested in programs that would be categorized as acquisition category 1 efforts if such programs were administered under the acquisition standards under Department of Defense Directive 5000.

(b) SENSE OF CONGRESS.—It is the sense of Congress that, in light of the findings under subsection (a), upon the completion of the independent review of the organization of the Missile Defense Agency required by section 1688 of the National Defense Authorization Act for Fiscal
Year 2020 (Public Law 116–92; 133 Stat. 1787), the Secretary of Defense should reassess the alignment of the Agency within the Department of Defense to ensure that missile defense efforts are being given proper oversight and that the Agency is focused on delivering capability to address current and future threats.

(c) REPORT.—Not later than February 28, 2021, the Secretary of Defense shall submit to the congressional defense committees a report on the alignment of the Missile Defense Agency within the Department of Defense. The report shall include—

(1) a description of the risks and benefits of both—

(A) continuing the alignment of the Agency under the authority, direction, and control of the Under Secretary of Defense for Research and Engineering pursuant to section 205(b) of title 10, United States Code; and

(B) realigning the Agency to be under the authority, direction, and control of the Under Secretary of Defense for Acquisition and Sustainment; and

(2) if the Agency were to be realigned, the actions that would need to be taken to realign the Agency to be under the authority, direction, and
control of the Under Secretary of Defense for Acqui-
sition and Sustainment or another element of the
Department of Defense.

SEC. 1656. ANALYSIS OF ALTERNATIVES FOR HOMELAND
MISSILE DEFENSE MISSIONS.

(a) ANALYSIS OF ALTERNATIVES.—

(1) REQUIREMENT.—Not later than 90 days
after the date of the enactment of this Act, the Di-
rector of Cost Assessment and Program Evaluation,
in coordination with the Secretary of the Navy, the
Secretary of the Army, and the Director of the Mis-
sile Defense Agency, shall conduct an analysis of al-
ternatives with respect to a complete architecture for
using the regional terminal high altitude area de-
fense system and the Aegis ballistic missile defense
system to conduct homeland defense missions.

(2) SCOPE.—The analysis of alternatives under
paragraph (1) shall include the following:

(A) The sensors needed for the architec-
ture described in such paragraph.

(B) An assessment of the locations of each
system included in the analysis to provide simi-
lar coverage as the ground-based midcourse de-
fense system, including, with respect to such
systems that are land-based, by giving pref-
herence to locations with completed environmental impact analyses conducted pursuant to section 227 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1678), to the extent practicable.

(C) The acquisition objectives for interceptors of the terminal high altitude area defense system and standard missile–3 interceptors for homeland defense purposes.

(D) Any improvements needed to the missile defense system command and control, battle management, and communications system.

(E) The manning, training, and sustainment needed to support such architecture.

(F) A detailed schedule for the development, testing, production, and deployment of such systems.

(G) A lifecycle cost estimate of such architecture.

(H) A comparison of the capabilities, costs, schedules, and policies with respect to—
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(i) deploying regional systems de-
scribed in subsection (a) to conduct home-
land defense missions; and

(ii) deploying future ground-based
midcourse defense systems for such mis-
sions.

(3) SUBMISSION.—Not later than 90 days after
the date of the enactment of this Act, the Secretary
of Defense shall submit to the congressional defense
committees a report containing—

(A) the analysis of alternatives under para-
graph (1); and

(B) a certification by the Secretary that
such analysis is sufficient.

(b) ASSESSMENT.—Not later than February 28,
2021, the Director of the Defense Intelligence Agency, and
the head of any other element of the intelligence commu-
nity that the Secretary of Defense determines appropriate,
shall submit to the congressional defense committees an
assessment of the following:

(1) How the development and deployment of re-
gional terminal high altitude area defense systems
and Aegis ballistic missile defense systems to con-
duct longer-range missile defense missions would be
perceived by near-peer foreign countries and rogue nations.

(2) How such near-peer foreign countries and rogue nations would likely respond to such deployments.

SEC. 1657. NEXT GENERATION INTERCEPTORS.

(a) NOTIFICATION OF CHANGED REQUIREMENTS.—During the acquisition and development process of the next generation interceptor program, not later than seven days after the date on which any changes are made to the requirements for such program that are established in the equivalent to capability development documentation, the Director of the Missile Defense Agency shall notify the congressional defense committees of such changes.

(b) BRIEFING ON CONTRACT.—Not later than 14 days after the date on which the Director awards a contract for the next generation interceptor, the Director shall provide the congressional defense committees a briefing on such contract, including with respect to the cost, schedule, performance, and requirements of the contract.

(c) REPORT ON GROUND-BASED MIDCOURSE DEFENSE SYSTEM.—

(1) REQUIREMENT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Under
Secretary of Defense for Policy, the Director of the Missile Defense Agency, and the Commander of the United States Northern Command, shall submit to the congressional defense committees a report on the ground-based midcourse defense system.

(2) MATTERS INCLUDED.—The report under paragraph (1) shall include the following:

(A) An explanation of how contracts in existence as of the date of the report could be used to reestablish improvements and sustainment for kill vehicles and boosters for the ground-based midcourse defense system.

(B) An explanation of how such system could be improved through service life extensions or pre-planned product improvements to address some of the requirements of the next generation interceptor by 2026, including an identification of the costs, schedule, and any risks.

(C) A description of the costs and schedule with respect to restarting booster production to field 20 additional interceptors by 2026.

(D) An analysis of policy implications with respect to the requirements for the ground-based midcourse defense system.
SEC. 1658. OVERSIGHT OF NEXT GENERATION INTERCEPTOR PROGRAM.

(a) FINDINGS; SENSE OF CONGRESS.—

(1) FINDINGS.—Congress finds that the Secretary of Defense discovered major technical problems with the redesigned kill vehicle program, which led to cancelling the program in August 2019 and caused significant delays to the improved defense of the United States against rogue nation ballistic missile threats and wasted $1,200,000,000.

(2) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of Defense should ensure robust oversight and accountability for the acquisition of the future next generation interceptor program to avoid making the same errors that were experienced in the redesigned kill vehicle effort.

(b) INDEPENDENT COST ASSESSMENT AND VALIDATION.—

(1) ASSESSMENT.—The Director of Cost Assessment and Program Evaluation shall conduct an independent cost assessment of the next generation interceptor program.

(2) VALIDATION.—The Under Secretary of Defense for Acquisition and Sustainment shall validate the preliminary cost assessment conducted under
paragraph (1) that will be used to inform the award of the contract for the next generation interceptor.

(3) SUBMISSION.—Not later than the date on which the Director of the Missile Defense Agency awards a contract for the next generation interceptor, the Secretary of Defense shall submit to the congressional defense committees a report containing the preliminary independent cost assessment under paragraph (1) and the validation under paragraph (2).

(c) FLIGHT TESTS.—In addition to the requirements of section 2399 of title 10, United States Code, the Director of the Missile Defense Agency may not make any decision regarding the initial production, or equivalent, of the next generation interceptor unless the Director has—

(1) certified to the congressional defense committees that the Director has conducted not fewer than two successful intercept flight tests of the next generation interceptor; and

(2) provided to such committees a briefing on the details of such tests, including with respect to the operational realism of such tests.
SEC. 1659. MISSILE DEFENSE COOPERATION BETWEEN THE
UNITED STATES AND ISRAEL.

(a) SENSE OF CONGRESS.—It is the sense of Con-
gress that—

(1) the strong and enduring relationship be-
 tween the United States and Israel is in the national
security interest of both countries;

(2) the memorandum of understanding signed
by the United States and Israel on September 14,
2016, including the provisions of the memorandum
relating to missile and rocket defense cooperation,
continues to be a critical component of the bilateral
relationship;

(3) the United States and Israel should con-
tinue government-to-government collaboration and
information sharing of technical data to investigate
the potential operational use of Israeli missile de-
fense systems for United States purposes; and

(4) in addition to the existing Israeli missile de-
 fense interceptor systems, there is potential for de-
 veloping and incorporating directed energy platforms
to assist the missile defense capabilities of both the
United States and Israel.

(b) COOPERATION.—The Secretary of Defense may
seek to extend existing cooperation with Israel to carry
out, on a joint basis with Israel, research, development,
test, and evaluation activities to establish directed energy
capabilities that address missile threats to the United
States, the deployed members of the Armed Forces of the
United States, or Israel. The Secretary shall ensure that
any such activities are conducted—

(1) in accordance with Federal law and the
Convention on Prohibitions or Restrictions on the
Use of Certain Conventional Weapons which may be
deemed to be Excessively Injurious or to have Indiscriminate Effects, signed at Geneva October 10, 1980; and

(2) in a manner that appropriately protects sen-
sitive information and the national security interests
of the United States and the national security inter-
ests of Israel.

SEC. 1660. REPORT ON DEFENSE OF GUAM FROM INTE-
GRATED AIR AND MISSILE THREATS.

(a) Report.—Not later than 120 days after the date
of the enactment of this Act, the Secretary of Defense
shall submit to the congressional defense committees a re-
port containing a study on the defense of Guam from inte-
grated air and missile threats, including such threats from
ballistic, hypersonic, and cruise missiles.

(b) Elements.—The report under subsection (a)
shall include the following:
(1) The identification of existing deployed land- and sea-based air and missile defense programs of record within the military departments and Defense Agencies, including with respect to interceptors, radars, and ground-, ship-, air-, and space-based sensors that could be used either alone or in coordination with other systems to counter the threats specified in subsection (a) with an initial operational capability by 2025.

(2) A plan of how such programs would be used to counter such threats with an initial operational capability by 2025.

(3) A plan of which programs currently in development but not yet deployed could enhance or substitute for existing programs in countering such threats with an initial operational capability by 2025.

(4) An analysis of which military department, Defense Agency, or combatant command would have operational control of the mission to counter such threats.

(5) A cost analysis of the various options described in paragraphs (1) and (3), including a breakdown of the cost of weapons systems considered under the various scenarios (including any costs
to modify the systems), the cost benefits gained through economies of scale, and the cost of any military construction required.

(6) An analysis of the policy implications regarding deploying additional missile defense systems on Guam, and how such deployments could affect strategic stability, including likely responses from both rogue nations and near-peer competitors.

(e) CONSULTATION.—The Secretary shall carry out this section in consultation with each of the following:

(1) The Director of the Missile Defense Agency.

(2) The Commander of the United States Indo-Pacific Command.

(3) The Commander of the United States Northern Command.

(4) Any other official whom the Secretary of Defense determines for purposes of this section has significant technical, policy, or military expertise.

(d) FORM.—The report submitted under subsection (a) shall be in unclassified form, but may contain a classified annex.

(c) BRIEFING.—Not later than 30 days after the date on which the Secretary submits to the congressional defense committees the report under subsection (a), the Sec-
retary shall provide to such committees a briefing on the
report.

SEC. 1661. REPORT ON CRUISE MISSILE DEFENSE.

Not later than January 15, 2021, the Commander
of the United States Northern Command, in coordination
with the Director of the Missile Defense Agency, shall sub-
mit to the congressional defense committees a report con-
taining—

(1) an identification of any vulnerability of the
contiguous United States to known cruise missile
threats; and

(2) a plan to mitigate any such vulnerability.

Subtitle F—Other Matters

SEC. 1671. CONVENTIONAL PROMPT GLOBAL STRIKE.

(a) INTEGRATION.—Section 1697(a) of the National
Defense Authorization Act for Fiscal Year 2020 (Public
Law 116–92; 133 Stat. 1791) is amended by adding at
the end the following new sentence: “The Secretary shall
initiate such transfer of technologies to DDG–1000 class
destroyers by not later than January 1, 2021.”.

(b) REPORT ON STRATEGIC HYPERSONIC WEAP-
ONS.—

(1) REQUIREMENT.—Not later than 120 days
after the date of the enactment of this Act, the
Chairman of the Joint Chiefs of Staff, in coordina-
tion with the Under Secretary of Defense for Policy,
shall submit to the congressional defense committees
a report on strategic hypersonic weapons.

(2) MATTERS INCLUDED.—The report under
paragraph (1) shall include the following:

(A) A discussion of the authority to use
strategic hypersonic weapons and if, and how,
such authorities would be delegated to the com-
manders of the combatant commands or to the
Chiefs of the Armed Forces.

(B) An assessment of escalation and mis-
calculation risks (including the risk that adver-
saries may detect initial launch but not reliably
detect the entire boost-glide trajectory), how
such risks will be addressed and minimized with
regards to the use of strategic hypersonic weap-
ons, and whether any risk escalation exercises
have been conducted or are planned for the po-
tential use of hypersonic weapons.

(C) A description of any updates needed to
war plans with the introduction of strategic
hypersonic weapons.

(D) Identification of the element of the
Department of Defense that has responsibility
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for establishing targeting requirements for strategic hypersonic weapons.

(E) A description of how the requirements for land- and sea-based strategic hypersonic weapons will be addressed with the Joint Requirements Oversight Council, and how such requirements will be formally provided to the military departments procuring such weapons through an acquisition program described under section 804 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 2302 note).

(F) A basing strategy for land-based launch platforms and a description of the actions needed to be taken for future deployment of such platforms.

(3) FORM.—The report under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(e) ANNUAL REPORTS ON ACQUISITION.—

(1) ARMY AND NAVY PROGRAMS.—Except as provided by paragraph (3), not later than 30 days after the date on which the budget of the President for each of fiscal years 2022 through 2025 is submitted to Congress pursuant to section 1105 of title
31, United States Code, the Secretary of the Army and the Secretary of the Navy shall jointly submit to the congressional defense committees a report on the conventional prompt global strike programs of the Army and the Navy, including—

(A) the total costs to the respective military departments for such programs;

(B) the strategy for such programs with respect to manning, training, and equipping, including cost estimates; and

(C) a testing strategy and schedule for such programs.

(2) CERTIFICATIONS.—Not later than 60 days after the date on which the budget of the President for each of fiscal years 2022 through 2025 is submitted to Congress pursuant to section 1105 of title 31, United States Code, the Director of Cost Assessment and Program Evaluation shall submit to the congressional defense committees a certification regarding the sufficiency, including any anomalies, with respect to—

(A) the total program costs of the conventional prompt global strike programs of the Army and the Navy; and

(B) the testing strategy for such programs.
(3) **Termination.**—The requirement to submit a report under paragraph (1) shall terminate on the date on which the Secretary of Defense determines that the conventional prompt global strike programs of the Army and the Navy are unable to be acquired under the authority of section 804 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 2302 note).

**SEC. 1672. SUBMISSION OF REPORTS UNDER MISSILE DEFENSE REVIEW AND NUCLEAR POSTURE REVIEW.**

Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees—

(1) each report produced by the Department of Defense pursuant to the Missile Defense Review published in 2019; and

(2) each report produced by the Department pursuant to the Nuclear Posture Review published in 2018.

**SEC. 1673. REPORT ON CONSIDERATION OF RISKS OF INADVERTENT ESCALATION TO NUCLEAR WAR.**

(a) **Report.**—Not later than January 31, 2021, the Under Secretary of Defense for Policy shall submit to the
Committees on Armed Services of the House of Representatives and the Senate a report—

(1) detailing the efforts of the Department of Defense with respect to developing and implementing guidance to ensure that the risks of inadvertent escalation to a nuclear war are considered within the decision-making processes of the Department regarding relevant activities (such as developing contingency plans, managing military crises and conflicts, and supporting the Department of State in the development, negotiation, and implementation of cooperative risk-reduction measures);

and

(2) identifying the capabilities and factors taken into account in developing such guidance.

(b) FORM.—The report under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

(c) BRIEFING.—Not later than December 1, 2020, the Under Secretary shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on the progress and findings made in carrying out subsection (a).
TITLE XVII—REPORTS AND OTHER MATTERS

Subtitle A—Studies and Reports

SEC. 1701. REVIEW OF SUPPORT OF SPECIAL OPERATIONS TO COMBAT TERRORISM.

(a) Review.—The Comptroller General of the United States shall conduct a review of all support provided, or planned to be provided, under section 127e of title 10, United States Code. Such review shall include an analysis of each of the following:

(1) The strategic alignment between such support and relevant Executive Orders, global campaign plans, theatre campaign plans, execute orders, and other guiding documents for currency, relevancy, and efficacy.

(2) The extent to which United States Special Operations Command has the processes and procedures to manage, integrate, and synthesize the authority under section 127e of title 10, United States Code, in support of the objectives and priorities specified by the documents listed in (a)(1) as well as the objectives and priorities of—

(A) the geographic combatant commands;

(B) theatre elements of United States Special Operations Command;
(C) relevant chiefs of mission and other appropriate positions in the Department of State; and

(D) any other interagency organization affected by the use of such authority.

(3) For the activities carried out pursuant to such authority, the extent to which United States Special Operations Command has the processes and procedures to—

(A) determine the professionalism, cohesion, and institutional capacity of the military in the country where forces receiving support are based;

(B) determine the adherence of the forces receiving support to human rights norms and the laws of armed conflict;

(C) establish measures of effectiveness;

(D) assess such activities against established measures of effectiveness as identified in subparagraph (C);

(E) establish criteria to determine the successful completion of such activities;

(F) deconflict and synchronize activities conducted under such authority with other relevant funding authorities;
(G) deconflict and synchronize activities conducted under such authorities with other relevant activities conducted by organizations related to, but outside the purview of, the Department of Defense; and

(H) track the training, support, and facilitation provided to forces receiving support, and the significant activities undertaken by such forces as a result of such training, support, and facilitation.

(4) The extent to which United States Special Operations Command has processes and procedures to manage the sunset, termination, or transition of activities carried out pursuant to such authority, including—

(A) accountability with respect to equipment provided; and

(B) integrity of the tactics, techniques, and procedures developed.

(5) The extent to which United States Special Operations Command has and uses processes and procedures to—

(A) report to Congress biannually on the matters referred to in paragraph (3); and
(B) notify Congress with respect to the intent to sunset, terminate, or transition activities carried out pursuant to such authority.

(6) Any other issues the Comptroller General determines appropriate with respect to the authority under section 127e of title 10, United States Code.

(b) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General shall provide for the Committees on Armed Services of the Senate and House of Representatives a briefing on the progress of the review required under subsection (a).

(c) REPORT.—Not later than one year after the date of the enactment of this Act, the Comptroller General shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the findings of the review required under subsection (a) and the recommendations of the Comptroller General pursuant to such review.

(d) SUPPORT DEFINED.—In this section, the term “support” includes—

(1) personnel who provide capacity for—

(A) training and equipment;

(B) training, advice, and assistance; or

(C) advice, assistance, and accompaniment capacity;
(2) financial assistance; and
(3) equipment and weapons.

SEC. 1702. FFRDC STUDY OF EXPLOSIVE ORDNANCE DISPOSAL AGENCIES.

(a) IN GENERAL.—The Secretary of Defense shall enter into an agreement with a federally funded research and development corporation under which such corporation shall conduct a study of the responsibilities, authorities, policies, programs, resources, organization, and activities of the explosive ordnance disposal agencies of the Department of Defense, Defense Agencies, and military departments.

(b) ELEMENTS OF STUDY.—The study conducted under subsection (a) shall include, for the Department of Defense, each Defense Agency, and each the military departments, each of the following:

(1) An identification and evaluation of—

(A) technology research, development, and acquisition activities related to explosive ordnance disposal, including an identification and evaluation of—

(i) current and future technology and related industrial base gaps; and
(ii) any technical or operational risks
associated with such technology or related
industrial base gaps;
(B) recruiting, training, education, assignment, promotion, and retention of military and
civilian personnel with responsibilities relating
to explosive ordnance disposal;
(C) administrative and operational force
structure with respect to explosive ordnance dis-
posal, including an identification and assess-
ment of risk associated with force structure ca-
pacity or capability gaps, if any; and
(D) the demand for, and activities con-
ducted in support of, domestic and international
military explosive ordnance disposal operations,
including—
(i) support provided to Department of
Defense agencies and other Federal agen-
cies; and
(ii) an identification and assessment
of risk associated with the prioritization
and availability of explosive ordnance dis-
posal support among supported agencies
and operations.
(2) Recommendations, if any, for changes to—
(A) the organization and distribution of responsibilities and authorities relating to explosive ordnance disposal;

(B) the explosive ordnance disposal force structure, management, prioritization, and operating concepts in support of the explosive ordnance disposal requirements of the Armed Forces and other Federal agencies; and

(C) resource investment strategies and technology prioritization for explosive ordnance disposal, including science and technology, prototyping, experimentation, test and evaluation, and related five-year funding profiles.

(c) REPORT TO CONGRESS.—

(1) IN GENERAL.—Not later than August 31, 2021, the Secretary of Defense shall submit to the congressional defense committees a report on the study conducted under subsection (a). Such report shall include the comments on the study, if any, of the Secretary of Defense, the directors of each of the Defense Agencies, and the Secretaries of each of the military departments.

(2) FORM OF REPORT.—The report submitted under paragraph (1) shall be submitted in unclassified form, but may contain a classified annex.
SEC. 1703. REPORT ON THE HUMAN RIGHTS OFFICE AT UNITED STATES SOUTHERN COMMAND.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the promotion of human rights and the protection of civilians abroad is an ethical, legal, and strategic interest of the United States;

(2) the Human Rights Office at the United States Southern Command plays an essential role in the promotion of human rights and the professionalization of foreign security forces in the area of responsibility of the United States Southern Command;

(3) the Secretary of Defense should ensure the status of the Human Rights Office at the United States Southern Command and, to the extent possible, ensure the United States Southern Command has the assets necessary to support the activities of the Human Rights Office; and

(4) the Secretary of Defense should ensure the development, at each of the combatant commands, of an office responsible for—

(A) advising the commander of the combatant command on the promotion of human rights and protection of civilians; and
B) integrating such promotion and protection into command strategy.

(b) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on—

(1) the activities of the Human Rights Office at the United States Southern Command to provide and promote—

(A) analysis and policy support to the Commander of the United States Southern Command regarding human rights and the protection of civilians;

(B) education of employees of the Department of Defense regarding human rights and protection of civilians pursuant to the document promulgated by the United States Southern Command on July 1, 1998, titled “Regulation 1-20” (relating to policy and procedures for human rights administration);

(C) integration of the promotion of human rights and protection of civilians into the strategy, planning, training, and exercises of the United States Southern Command, including into programs of the armed forces of partner
countries through the Human Rights Initiative program of such Command;

(D) promotion of human rights and the protection of civilians through security cooperation activities;

(E) implementation of section 362 of title 10, United States Code; and

(F) countering trafficking in persons; and

(2) the resources necessary over the period of the future years defense plan for fiscal year 2022 under section 221 of title 10, United States Code, for the United States Southern Command to support the activities of the Human Rights Office at such Command.

(c) FORM.—The report under subsection (b) shall be submitted in unclassified form.

SEC. 1704. REPORT ON JOINT TRAINING RANGE EXERCISES FOR THE PACIFIC REGION.

(a) REPORT.—Not later than March 15, 2021, the Chairman of the Joint Chiefs of Staff, in coordination with the Commander of United States Indo-Pacific Command, the Secretary of the Army, the Secretary of the Navy, and the Secretary of the Air Force, shall submit to the congressional defense committees a report containing a plan to integrate combined, joint, and multi-do-
main, training and experimentation in the Pacific region, including existing ranges, training areas, and test facilities, to achieve the following objectives:

(1) Support future combined and joint exercises and training to test operational capabilities and weapon systems.

(2) Employ multi-domain training to validate joint operational concepts.

(3) Integrate allied and partner countries into national-level exercises.

(b) MATTERS.—The report under subsection (a) shall address the following:

(1) Integration of cyber, space, and electromagnetic spectrum domains.

(2) Mobile and fixed range instrumentation packages for experimentation and training.

(3) Digital, integrated command and control for air defense systems.

(4) Command, control, communications, computer, and information (C4I) systems.

(5) War gaming, modeling, and simulations packages.

(6) Intelligence support systems.

(7) Manpower management, execution, collection, and analysis required for the incorporation of
space and cyber activities into the training range exercise plan contained in such report.

(8) Connectivity requirements to support all domain integration and training.

(9) Any training range upgrades or infrastructure improvements necessary to integrate legacy training and exercise facilities into integrated, operational sites.

(10) Exercises led by the United States Indo-Pacific Command, within the area of operations of the Command, that integrate allied and partnered countries and link to the national-level exercises of the United States.

(11) Incorporation of any other functional and geographic combatant commands required to support the United States Indo-Pacific Command.

(c) FORM.—The report under subsection (a) may be submitted in classified form, and shall include an unclassified summary.

SEC. 1705. STUDY ON CHINESE POLICIES AND INFLUENCE IN THE DEVELOPMENT OF INTERNATIONAL STANDARDS FOR EMERGING TECHNOLOGIES.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Director of the National Institute of Standards and Technology shall enter
into an agreement with an appropriate non-governmental entity with relevant expertise, as determined by the Director, to conduct a study and make recommendations with respect to the impact of the policies of the People’s Republic of China and coordination among industrial entities within the People’s Republic of China on international bodies engaged in developing and setting international standards for emerging technologies. The study may include—

(1) an assessment of how the role of the People’s Republic of China in international standards setting organizations has grown over the previous 10 years, including in leadership roles in standards-drafting technical committees, and the quality or value of that participation;

(2) an assessment of the impact of the standardization strategy of the People’s Republic of China, as identified in the “Chinese Standard 2035” on international bodies engaged in developing and setting standards for select emerging technologies, such as advanced communication technologies or cloud computing and cloud services;

(3) an examination of whether international standards for select emerging technologies are being designed to promote interests of the People’s Repub-
lic of China that are expressed in the “Made in China 2025” plan to the exclusion of other participants;

(4) an examination of how the previous practices that the People’s Republic of China has utilized while participating in international standards setting organizations may foretell how the People’s Republic of China will engage in international standardization activities of critical technologies like artificial intelligence and quantum information science, and what may be the consequences;

(5) recommendations on how the United States can take steps to mitigate influence of the People’s Republic of China and bolster United States public and private sector participation in international standards-setting bodies; and

(6) any other areas the Director, in consultation with the entity selected to conduct the study, believes is important to address.

(b) REPORT TO CONGRESS.—The agreement entered into under subsection (a) shall require the entity conducting the study to, not later than two years after the date of the enactment of this Act—

(1) submit to the Committee on Science, Space, and Technology of the House of Representatives and
the Committee on Commerce, Science, and Trans-
portation of the Senate a report containing the find-
ings and recommendations of the review conducted
under subsection (a); and

(2) make a copy of such report available on a
publicly accessible website.

Subtitle B—Electronic Message
Preservation

SEC. 1711. SHORT TITLE.

This subtitle may be cited as the “Electronic Message
Preservation Act”.

SEC. 1712. PRESERVATION OF ELECTRONIC MESSAGES AND
OTHER RECORDS.

(a) REQUIREMENT FOR PRESERVATION OF ELEC-
TRONIC MESSAGES.—Chapter 29 of title 44, United
States Code, is amended by adding at the end the fol-
lowing new section:

“§ 2912. Preservation of electronic messages and
other records

“(a) REGULATIONS REQUIRED.—The Archivist shall
promulgate regulations governing Federal agency preser-
vation of electronic messages that are determined to be
records. Such regulations shall, at a minimum—

“(1) require the electronic capture, manage-
ment, and preservation of such electronic records in
accordance with the records disposition requirements
of chapter 33;

“(2) require that such electronic records are
readily accessible for retrieval through electronic
searches; and

“(3) include timelines for Federal agency imple-
mentation of the regulations that ensure compliance
as expeditiously as practicable.

“(b) ENSURING COMPLIANCE.—The Archivist shall
promulgate regulations that—

“(1) establish mandatory minimum functional
requirements for electronic records management sys-
tems to ensure compliance with the requirements in
paragraphs (1) and (2) of subsection (a); and

“(2) establish a process to ensure that the elec-
tronic records management system of each Federal
agency meets the functional requirements estab-
lished under paragraph (1).

“(c) COVERAGE OF OTHER ELECTRONIC
RECORDS.—To the extent practicable, the regulations pro-
mulgated under subsections (a) and (b) shall also include
requirements for the capture, management, and preserva-
tion of other electronic records.
“(d) **COMPLIANCE BY FEDERAL AGENCIES.**—Each Federal agency shall comply with the regulations promulgated under subsections (a) and (b).

“(e) **REVIEW OF REGULATIONS REQUIRED.**—The Archivist shall periodically review and, as necessary, amend the regulations promulgated under subsections (a) and (b).”.

**(b) DEADLINE FOR REGULATIONS.**—

(1) **PRESERVATION OF ELECTRONIC MESSAGES.**—Not later than 120 days after the date of the enactment of this Act, the Archivist shall promulgate the regulations required under section 2912(a) of title 44, United States Code, as added by subsection (a).

(2) **ENSURING COMPLIANCE.**—Not later than 2 years after the date of the enactment of this Act, the Archivist shall promulgate the regulations required under section 2912(b) of title 44, United States Code, as added by subsection (a).

**(c) REPORTS ON IMPLEMENTATION OF REGULATIONS.**—

(1) **AGENCY REPORT TO ARCHIVIST.**—Not later than 1 year after the date of the enactment of this Act, the head of each Federal agency shall submit to the Archivist a report on the agency’s compliance
with the regulations promulgated under section 2912 of title 44, United States Code, as added by subsection (a), and shall make the report publicly available on the website of the agency.

(2) Archivist Report to Congress.—Not later than 90 days after receipt of all reports required by paragraph (1), the Archivist shall submit to the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Reform of the House of Representatives a report on Federal agency compliance with the regulations promulgated under section 2912(a) of title 44, United States Code, as added by subsection (a), and shall make the report publicly available on the website of the agency.

(3) Federal Agency Defined.—In this subsection, the term “Federal agency” has the meaning given that term in section 2901 of title 44, United States Code.

(d) Clerical Amendment.—The table of sections at the beginning of chapter 29 of title 44, United States Code, is amended by adding after the item relating to section 2911 the following new item:

“2912. Preservation of electronic messages and other records.”.

(e) Definitions.—Section 2901 of title 44, United States Code, is amended—
(1) by striking “and” at the end of paragraph (14); and
(2) by striking paragraph (15) and inserting the following new paragraphs:
“(15) the term ‘electronic messages’ means electronic mail and other electronic messaging systems that are used for purposes of communicating between individuals; and
“(16) the term ‘electronic records management system’ means software designed to manage electronic records, including by—
“(A) categorizing and locating records;
“(B) ensuring that records are retained as long as necessary;
“(C) identifying records that are due for disposition; and
“(D) ensuring the storage, retrieval, and disposition of records.”.

SEC. 1713. PRESIDENTIAL RECORDS.

(a) ADDITIONAL REGULATIONS RELATING TO PRESIDENTIAL RECORDS.—

(1) IN GENERAL.—Section 2206 of title 44, United States Code, is amended—

(A) by striking “and” at the end of paragraph (3);
(B) by striking the period at the end of paragraph (4) and inserting ‘‘; and’’; and

(C) by adding at the end the following:

“(5) provisions for establishing standards necessary for the economical and efficient management of electronic Presidential records during the President’s term of office, including—

“(A) records management controls necessary for the capture, management, and preservation of electronic messages;

“(B) records management controls necessary to ensure that electronic messages are readily accessible for retrieval through electronic searches; and

“(C) a process to ensure the electronic records management system to be used by the President for the purposes of complying with the requirements in subparagraphs (A) and (B).”.

(2) DEFINITIONS.—Section 2201 of title 44, United States Code, is amended by adding at the end the following new paragraphs:

“(6) The term ‘electronic messages’ has the meaning given that term under section 2901(15).
“(7) The term ‘electronic records management system’ has the meaning given that term under section 2901(16).”.

(b) Certification of President’s Management of Presidential Records.—

(1) Certification Required.—Chapter 22 of title 44, United States Code, is amended by adding at the end the following new section:

“§2210. Certification of the President’s management of Presidential records

“(a) Annual Certification.—The Archivist shall annually certify whether the electronic records management controls established by the President meet requirements under sections 2203(a) and 2206(5).

“(b) Report to Congress.—The Archivist shall report annually to the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Reform of the House of Representatives on the status of the certification.”.

(2) Clerical Amendment.—The table of sections at the beginning of chapter 22 of title 44, United States Code, is amended by adding at the end the following new item:

“2210. Certification of the President’s management of Presidential records.”.
(c) REPORT TO CONGRESS.—Section 2203(g) of title 44, United States Code, is amended by adding at the end the following new paragraph:

“(5) One year following the conclusion of a President’s term of office, or if a President serves consecutive terms 1 year following the conclusion of the last term, the Archivist shall submit to the Committee on Homeland Security and Governmental Affairs of the Senate and the Committee on Oversight and Reform of the House of Representatives a report on—

“(A) the volume and format of electronic Presidential records deposited into that President’s Presidential archival depository; and

“(B) whether the electronic records management controls of that President met the requirements under sections 2203(a) and 2206(5).”.

(d) EFFECTIVE DATE.—The amendments made by this section shall take effect 1 year after the date of the enactment of this Act.

Subtitle C—Space Technology Advancement Report (STAR) Act of 2020

SEC. 1721. SHORT TITLE.

This subtitle may be cited as the “Space Technology Advancement Report (STAR) Act of 2020”.

SEC. 1722. FINDINGS.

Congress finds the following:

(1) As stated in the United States-China Economic and Security Commission’s 2019 Report to Congress, the United States retains many advantages over the People’s Republic of China (PRC) in space, including—

(A) the organization and technical expertise of its space program;

(B) the capabilities of the National Aeronautics and Space Administration for human spaceflight and exploration;

(C) its vibrant commercial space sector;

(D) its long history of space leadership;

and

(E) many international partnerships.

(2) The PRC seeks to establish a leading position in the economic and military use of outer space and views space as critical to its future security and economic interests.

(3) The PRC’s national-level commitment to establishing itself as a global space leader harms United States interests and threatens to undermine many of the advantages the United States has worked so long to establish.
(4) For over 60 years, the United States has led the world in space exploration and human space flight through a robust national program that ensures NASA develops and maintains critical spaceflight systems to enable this leadership, including the Apollo program’s Saturn V rocket, the Space Shuttle, the International Space Station and the Space Launch System and Orion today.

(5) The Defense Intelligence Agency noted in its 2019 “Challenges to U.S. Security in Space” report that the PRC was developing a national super-heavy lift rocket comparable to NASA’s Space Launch System.

(6) The United States space program and commercial space sector risks being hollowed out by the PRC’s plans to attain leadership in key technologies.

(7) It is in the economic and security interest of the United States to remain the global leader in space power.

(8) A recent report by the Air Force Research Laboratory and the Defense Innovation Unit found that China’s strategy to bolster its domestic space industry includes a global program of theft and other misappropriation of intellectual property, direct integration of state-owned entities and their
technology with commercial start-ups, the use of
front companies to invest in United States space
companies, vertical control of supply chains, and
predatory pricing.

(9) The United States Congress passed the
Wolf Amendment as part of the Fiscal Year 2012
Consolidated and Further Continuing Appropriations Act (Public Law 112–55) and every year thereafter in response to the nefarious and offensive na-
ture of Chinese activities in the space industry.

SEC. 1723. REPORT; STRATEGY.

(a) Report.—

(1) In general.—Not later than 1 year after
the date of enactment of this section, and annually
thereafter in fiscal years 2022 and 2023, the Na-
tional Space Council shall submit to the appropriate
congressional committees an interagency assessment
of the ability of the United States to compete with
foreign space programs and in the emerging com-
mercial space economy.

(2) Content of report.—The report shall in-
clude information on the following:

(A) An assessment of the human explo-
rati on and spaceflight capabilities of the na-
tional space program of the United States relative to national programs of the PRC.

(B) An assessment of—

(i) the viability of extraction of space-based precious minerals, onsite exploitation of space-based natural resources, and utilization of space-based solar power;

(ii) the programs of the United States and the PRC that are related to the issues described in clause (i); and

(iii) any potential terrestrial or space environmental impacts of space-based solar power.

(C) An assessment of United States strategic interests in or related to cislunar space.

(D) A comparative assessment of future United States space launch capabilities and those of the PRC.

(E) The extent of foreign investment in the commercial space sector of the United States, especially in venture capital and other private equity investments that seek to work with the Federal government.

(F) The steps by which the National Aeronautics and Space Administration, the Depart-
ment of Defense, and other United States Federal agencies conduct the necessary due diligence and security reviews prior to investing in private space entities that may have received funding from foreign investment.

(G) Current steps that the United States is taking to identify and help mitigate threats to domestic space industry from influence of the PRC.

(H) An assessment of the current ability, role, costs, and authorities of the Department of Defense to mitigate the threats of commercial communications and navigation in space from the PRC’s growing counterspace capabilities, and any actions required to improve this capability.

(I) An assessment of how the PRC’s activities are impacting United States national security, including—

(i) theft by the PRC of United States intellectual property through technology transfer requirements or otherwise; and

(ii) efforts of the PRC to seize control of critical elements of the United States space industry supply chain and United
States space industry companies or sister companies with shared leadership; and government cybersecurity capabilities.

(J) An assessment of efforts of the PRC to pursue cooperative agreements with other nations to advance space development.

(K) Recommendations to Congress, including recommendations with respect to—

(i) any legislative proposals to address threats by the PRC to the United States national space programs as well as domestic commercial launch and satellite industries;

(ii) how the United States Government can best utilize existing Federal entities to investigate and prevent potentially harmful investment by the PRC in the United States commercial space industry;

(3) FORM.—The report required under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(b) STRATEGY.—

(1) IN GENERAL.—Not later than 1 year after the submission of the report required in subsection (a), the President, in consultation with the National
Space Council, shall develop and submit to the appropriate congressional committees a strategy to ensure the United States can—

(A) compete with other national space programs;

(B) maintain leadership in the emerging commercial space economy;

(C) identify market, regulatory, and other means to address unfair competition from the PRC based on the findings of in the report required in subsection (a);

(D) leverage commercial space capabilities to ensure United States national security and the security of United States interests in space;

(E) protect United States supply chains and manufacturing critical to competitiveness in space; and

(F) coordinate with international allies and partners in space.

(3) FORM.—The strategy required under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(e) DEFINITIONS.—In this section, the following definitions apply:
(1) APPOSITE CONGRESSIONAL COMMIT-
TEES OF CONGRESS.—The term “appropriate con-
gressional committees” means—

(A) the Committee on Armed services, the
Committee on Foreign Relations, and the Com-
mittee on Commerce, Science, and Transpor-
tation of the Senate; and

(B) the Committee on Armed Services, the
Committee on Foreign Affairs, and the Com-
mittee on Science, Space, and Technology of
the House of Representatives.

(2) PRC.—The term “PRC” means the “Peo-
ple’s Republic of China”.

Subtitle D—AMBER Alert
Nationwide

SEC. 1731. COOPERATION WITH DEPARTMENT OF HOME-
LAND SECURITY.

Subtitle A of title III of the PROTECT Act (34
U.S.C. 20501 et seq.) is amended—

(1) in section 301—

(A) in subsection (b)—

(i) in paragraph (1), by inserting
“(including airports, maritime ports, bor-
der crossing areas and checkpoints, and
ports of exit from the United States)”
after “gaps in areas of interstate travel”; and

(ii) in paragraphs (2) and (3), by inserting “, territories of the United States, and tribal governments” after “States”; and

(B) in subsection (d), by inserting “, the Secretary of Homeland Security,” after “Secretary of Transportation”; and

(2) in section 302—

(A) in subsection (b), in paragraphs (2), (3), and (4) by inserting “, territorial, tribal,” after “State”; and

(B) in subsection (c)—

(i) in paragraph (1), by inserting “, the Secretary of Homeland Security,” after “Secretary of Transportation”; and

(ii) in paragraph (2), by inserting “, territorial, tribal,” after “State”.

SEC. 1732. AMBER ALERTS ALONG MAJOR TRANSPORTATION ROUTES.

(a) IN GENERAL.—Section 303 of the PROTECT Act (34 U.S.C. 20503) is amended—
(1) in the section heading, by inserting “**AND MAJOR TRANSPORTATION ROUTES**” after “**ALONG HIGHWAYS**”;

(2) in subsection (a)—

(A) by inserting “(referred to in this section as the ‘Secretary’)” after “Secretary of Transportation”; and

(B) by inserting “and at airports, maritime ports, border crossing areas and checkpoints, and ports of exit from the United States” after “along highways”;

(3) in subsection (b)—

(A) in paragraph (1)—

(i) by striking “other motorist information systems to notify motorists” and inserting “other information systems to notify motorists, aircraft passengers, ship passengers, and travelers”; and

(ii) by inserting “, aircraft passengers, ship passengers, and travelers” after “necessary to notify motorists”; and

(B) in paragraph (2)—

(i) in subparagraph (A), by striking “other motorist information systems to notify motorists” and inserting “other infor-
mation systems to notify motorists, aircraft passengers, ship passengers, and travelers”; 

(ii) in subparagraph (D), by inserting “, aircraft passengers, ship passengers, and travelers” after “support the notification of motorists”; 

(iii) in subparagraph (E), by inserting “, aircraft passengers, ship passengers, and travelers” after “motorists”, each place it appears; 

(iv) in subparagraph (F), by inserting “, aircraft passengers, ship passengers, and travelers” after “motorists”; and 

(v) in subparagraph (G), by inserting “, aircraft passengers, ship passengers, and travelers” after “motorists”; 

(4) in subsection (c), by striking “other motor-
ist information systems to notify motorists”, each place it appears, and inserting “other information systems to notify motorists, aircraft passengers, ship passengers, and travelers”; 

(5) by amending subsection (d) to read as fol-
lows: 

“(d) Federal Share.—
“(1) IN GENERAL.—Except as provided in paragraph (2), the Federal share of the cost of any activities funded by a grant under this section may not exceed 80 percent.

“(2) WAIVER.—If the Secretary determines that American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, or the Virgin Islands of the United States is unable to comply with the requirement under paragraph (1), the Secretary shall waive such requirement.”;

(6) in subsection (g)—

(A) by striking “In this section” and inserting “In this subtitle”; and

(B) by striking “or Puerto Rico” and inserting “American Samoa, Guam, Puerto Rico, the Northern Mariana Islands, the Virgin Islands of the United States, and any other territory of the United States”; and

(7) in subsection (h), by striking “fiscal year 2004” and inserting “each of fiscal years 2019 through 2023”.

(b) TECHNICAL AND CONFORMING AMENDMENT.— The table of contents in section 1(b) of the PROTECT Act (Public Law 108–21) is amended by striking the item relating to section 303 and inserting the following:
SEC. 303. Grant program for notification and communications systems along highways and major transportation routes for recovery of abducted children.

SEC. 1733. AMBER ALERT COMMUNICATION PLANS IN THE TERRITORIES.

Section 304 of the PROTECT Act (34 U.S.C. 20504) is amended—

(1) in subsection (b)(4), by inserting “a territorial government or” after “with”;

(2) by amending subsection (c) to read as follows:

“(c) FEDERAL SHARE.—

“(1) IN GENERAL.—Except as provided in paragraph (2), the Federal share of the cost of any activities funded by a grant under this section may not exceed 50 percent.

“(2) WAIVER.—If the Attorney General determines that American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, or an Indian tribe is unable to comply with the requirement under paragraph (1), the Attorney General shall waive such requirement.”; and

(3) in subsection (d), by inserting “, including territories of the United States” before the period at the end.
SEC. 1734. GOVERNMENT ACCOUNTABILITY OFFICE REPORT.

(a) IN GENERAL.—Not later than 5 years after the date of the enactment of this Act, the Comptroller General shall conduct a study assessing—

(1) the implementation of the amendments made by this Act;

(2) any challenges related to integrating the territories of the United States into the AMBER Alert system;

(3) the readiness, educational, technological, and training needs of territorial law enforcement agencies in responding to cases involving missing, abducted, or exploited children; and

(4) any other related matters the Attorney General or the Secretary of Transportation determines appropriate.

(b) REPORT REQUIRED.—The Comptroller General shall submit a report on the findings of the study required under subsection (a) to—

(1) the Committee on the Judiciary and the Committee on Environment and Public Works of the Senate;

(2) the Committee on the Judiciary and the Committee on Transportation and Infrastructure of the House of Representatives; and
(3) each of the delegates or resident commissioner to the House of Representatives from American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the Virgin Islands of the United States.

(c) Public Availability.—The Comptroller General shall make the report required under subsection (b) available on a public Government website.

(d) Obtaining Official Data.—

(1) In General.—The Comptroller General may secure information necessary to conduct the study under subsection (a) directly from any Federal agency and from any territorial government receiving grant funding under the PROTECT Act. Upon request of the Comptroller General, the head of a Federal agency or territorial government shall furnish the requested information to the Comptroller General.

(2) Agency Records.—Notwithstanding paragraph (1), nothing in this subsection shall require a Federal agency or any territorial government to produce records subject to a common law evidentiary privilege. Records and information shared with the Comptroller General shall continue to be subject to withholding under sections 552 and 552a of title 5,
United States Code. The Comptroller General is obligated to give the information the same level of confidentiality and protection required of the Federal agency or territorial government. The Comptroller General may be requested to sign a nondisclosure or other agreement as a condition of gaining access to sensitive or proprietary data to which the Comptroller General is entitled.

(3) Privacy of Personal Information.—The Comptroller General, and any Federal agency and any territorial government that provides information to the Comptroller General, shall take such actions as are necessary to ensure the protection of the personal information of a minor.

Subtitle E—Other Matters

SEC. 1741. TECHNICAL, CONFORMING, AND CLERICAL AMENDMENTS.

(a) Title 10, United States Code.—Title 10, United States Code, is amended as follows:

(1) Section 127e(g) is amended by striking “Low-Intensity” and inserting “Low Intensity”.

(2) Section 142 is amended—

(A) by striking subsection (d); and

(B) by redesignating the second subsection (c) as subsection (d).
(3) Section 192(c) is amended by striking the first paragraph (1).

(4) Section 231 is amended—

(A) in subsection (a)(1), by striking “and” after the colon;

(B) by striking “quadrennial defense re-
view” each place it appears and inserting “na-
tional defense strategy”; and

(C) in subsection (f)(3), by striking “sec-
tion 118” and inserting “section 113(g)”.

(5) Section 1073c(a) is amended by redesig-

nating the second paragraph (6) as paragraph (7).

(6) Section 1044e is amended by striking “sub-
section (h)” each place it appears and inserting “subsection (i)”.

(7) The table of sections at the beginning of chapter 58 is amended by striking the item relating to section 1142 and inserting the following:

“1142. Preseparation counseling; transmittal of certain records to Department of Veterans Affairs.”.

(8) Section 1564(c)(2) is amended in the mat-
ter preceding subparagraph (A) by striking “in” and inserting “is”.

(9) The table of sections at the beginning of chapter 113 is amended by striking “Sec.” each
place it appears, except for the first “Sec.” preceding the item relating to section 2200g.

(10) The table of sections at the beginning of chapter 135 is amended by striking the item relating to section 2279c.

(11) The table of sections at the beginning of chapter 142 is amended by striking the item relating to section 2417 and inserting the following:

“2417. Administrative and other costs.”.

(12) The table of sections at the beginning of chapter 152 is amended by striking the item relating to section 2568a and inserting the following:

“2568a. Damaged personal protective equipment: award to members separating from the Armed Forces and veterans.”.

(13) Section 2417(2) is amended by striking “entities -” and inserting “entities—”.

(14) Section 2641b(a)(3)(B) is amended by striking “subsection (c)(5)” and inserting “subsection (c)(6)”.

(15) Section 2804(b) is amended in the third sentence by striking “; and”.

(16) Section 2890(e)(2) is amended by inserting “a” before “landlord” in the matter preceding subparagraph (A).

(17) Section 2891(e)(1) is amended—
(A) by inserting “unit” after “housing” the third place it appears; and

(B) in subparagraph (B), by inserting “the” before “tenant”.

(18) Section 2891a is amended—

(A) in subsection (b), by adding a period at the end of paragraph (2); and

(B) in subsection (e)(2)(B), by striking “the” before “any basic”.

(19) Section 2894(c)(3) is amended by inserting “, the office” after “installation housing management office”.

(b) TITLE 38, UNITED STATES CODE.—Section 1967(a)(3)(D) of title 38, United States Code, is amended in the matter preceding clause (i) by inserting a comma after “theater of operations”.

(c) NDAA FOR FISCAL YEAR 2019.—Effective as of August 13, 2018, and as if included therein as enacted, the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended as follows:

(1) Section 226(b)(3)(C) (132 Stat. 1686) is amended by striking “commercial-off the-shelf” and inserting “commercially available off-the-shelf items
(as defined in section 104 of title 41, United States Code) that may serve as”.


(3) Section 836(a)(2)(B) (132 Stat. 1860) is amended by inserting “of such title” after “Section 104(1)(A)”.

(4) Section 836(c)(8) is amended by striking subparagraphs (A) and (B) and inserting the following new subparagraphs:

“(A) by striking ‘commercial items’ and inserting ‘commercial products’; and

“(B) by striking ‘the item’ both places it appears and inserting ‘commercial product’.”.

(5) Section 889(f) (132 Stat. 1918) is amended by striking “appropriate congressional committees’” and inserting “appropriate congressional committees”.
(6) Section 1286(e)(2)(D) (10 U.S.C. 2358 note; 132 Stat. 2080) is amended by striking “improve” and inserting “improved”.

(7) Section 1757(a) (50 U.S.C. 4816; 132 Stat. 2218) is amended by inserting “to persons” before “who are potential”.

(8) Section 1759(a)(2) (50 U.S.C. 4818; 132 Stat. 2223) is amended by striking the semicolon at the end and inserting a period.

(9) Section 1763(c) (50 U.S.C. 4822; 132 Stat. 2231) is amended by striking “December 5, 1991” and inserting “December 5, 1995”.

(10) Section 1773(b)(1) (50 U.S.C. 4842; 132 Stat. 2235) is amended by striking “section 1752(1)(D)” and inserting “section 1752(2)(D)”.

(11) Section 1774(a) (50 U.S.C. 4843; 132 Stat. 2237) is amended in the matter preceding paragraph (1) by inserting “under” before “section 1773”.

(12) Section 2827(b)(1) (132 Stat. 2270) is amended by inserting “in the matter preceding the paragraphs” after “amended”.

(d) NDAA FOR FISCAL YEAR 2016.—Effective as of December 23, 2016, and as if included therein as enacted, section 856(a)(1) the National Defense Authorization Act
for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2377 note) is amended by inserting “United States Code,” after “title 41,”.

(e) COORDINATION WITH OTHER AMENDMENTS MADE BY THIS ACT.—For purposes of applying amendments made by provisions of this Act other than this section, the amendments made by this section shall be treated as having been enacted immediately before any such amendments by other provisions of this Act.

SEC. 1742. ADDITION OF CHIEF OF THE NATIONAL GUARD BUREAU TO THE LIST OF OFFICERS PROVIDING REPORTS OF UNFUNDED PRIORITIES.

Section 222a(b) of title 10, United States Code, is amended—

(1) by redesignating paragraph (5) as paragraph (6); and

(2) by inserting after paragraph (4) the following new paragraph:

“(5) The Chief of the National Guard Bureau.”.

SEC. 1743. ACCEPTANCE OF PROPERTY BY MILITARY ACADEMIES AND MUSEUMS.

(a) ACCEPTANCE OF PROPERTY.—Section 2601 of title 10, United States Code, is amended—
(1) in subsection (a)(2), by inserting after sub-
paragraph (B) the following new subparagraph:
“(C) The Secretary concerned may display, at a mili-
tary museum, recognition for an individual or organization
that contributes money to a nonprofit entity described in
paragraph (A), or an individual or organization that
contributes a gift directly to the armed force concerned
for the benefit of a military museum, whether or not the
contribution is subject to the condition that recognition
be provided. The Secretary of Defense shall prescribe uni-
form regulations governing the circumstances under which
contributor recognition may be provided, appropriate
forms of recognition, and suitable display standards.”; and

(2) in subsection (e)(1)—
(A) by inserting “or personal” after “real”
both places it appears; and
(B) by striking “or the Coast Guard Acad-
emy” and inserting “the Coast Guard Academy,
the National Defense University, the Defense
Acquisition University, the Air University, the
Army War College, the Army Command and
General Staff College, the Naval War College,
the Naval Postgraduate School, or the Marine
Corps University”.

(b) LEASE OF NON-EXCESS PROPERTY TO MILITARY MUSEUMS.—

(1) IN GENERAL.—Section 2667 of title 10, United States Code, is amended—

(A) in subsection (b)—

(i) in paragraph (7), by striking “and” at the end;

(ii) in paragraph (8), by striking the period at the end and inserting “; and”;

and

(iii) by adding at the end the following new paragraph:

“(9) in the case of a lease of a museum facility to a museum foundation, may provide for use in generating revenue for activities of the museum facility and for such administrative purposes as may be necessary to support the facility.”;

(B) in subsection (i), by adding at the end the following new paragraph:

“(6) The term ‘museum foundation’ means any entity—

“(A) qualifying as an exempt organization under section 501(c)(3) of the Internal Revenue Code of 1986; and
“(B) incorporated for the primary purpose of supporting a Department of Defense museum.”; and

(C) in subsection (k)—

(i) in the subsection heading, by inserting “AND MUSEUMS” after “LEASES FOR EDUCATION”; and

(ii) by inserting “or to a museum foundation” before the period at the end.

(2) REPEALS.—

(A) LEASE OR LICENSE OF UNITED STATES NAVY MUSEUM FACILITIES AT WASHINGTON NAVY YARD, DISTRICT OF COLUMBIA.—


(B) LEASE OF FACILITY TO MARINE CORPS HERITAGE FOUNDATION.—Section 2884 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398; 114 Stat. 1654A-440) is amended by striking subsection (e).
SEC. 1744. REAUTHORIZATION OF NATIONAL OCEANOGRAPHIC PARTNERSHIP PROGRAM.

(a) NATIONAL OCEANOGRAPHIC PARTNERSHIP PROGRAM.—Section 8931 of title 10, United States Code, is amended to read as follows:

“SEC. 8931. NATIONAL OCEANOGRAPHIC PARTNERSHIP PROGRAM.

“(a) ESTABLISHMENT.—The Secretary of the Navy shall establish a program to be known as the ‘National Oceanographic Partnership Program’.

“(b) PURPOSES.—The purposes of the program are as follows:

“(1) To promote the national goals of assuring national security, advancing economic development, protecting quality of life, ensuring environmental stewardship, and strengthening science education and communication through improved knowledge of the ocean.

“(2) To coordinate and strengthen oceanographic efforts in support of those goals by—

“(A) creating and carrying out partnerships among Federal agencies, academia, industry, and other members of the oceanographic community in the areas of science, data, resources, education, and communication; and
“(B) accepting, planning, and executing oceanographic research projects funded by grants, contracts, cooperative agreements, or other vehicles as appropriate, that contribute to assuring national security, advancing economic development, protecting quality of life, ensuring environmental stewardship, and strengthening science education and communication through improved knowledge of the ocean.”.

(b) OCEAN POLICY COMMITTEE.—

(1) In general.—Section 8932 of such title is amended to read as follows:

§ 8932. Ocean Policy Committee

“(a) COMMITTEE.—There is established an Ocean Policy Committee (hereinafter referred to as the ‘Committee’). The Committee shall retain the membership, co-chairs, and subcommittees outlined in Executive Order 13840.

“(b) RESPONSIBILITIES.—The Committee shall continue the activities of that Committee as it was in existence on the day before the date of the enactment of the National Defense Authorization Act for Fiscal Year 2021. In discharging its responsibilities and to assist in the execution of the activities delineated in this subsection, the
Committee may delegate to a subcommittee, as appropriate. The Committee shall—

“(1) prescribe policies and procedures to implement the National Oceanographic Partnership Program;

“(2) engage and collaborate, pursuant to existing laws and regulations, with stakeholders, including regional ocean partnerships, to address ocean-related matters that may require interagency or intergovernmental solutions;

“(3) facilitate coordination and integration of Federal activities in ocean and coastal waters to inform ocean policy and identify priority ocean research, technology, and data needs; and

“(4) review, select, and identify partnership projects for implementation under the program, based on—

“(A) whether the project addresses important research objectives or operational goals;

“(B) whether the project has, or is designed to have, appropriate participation within the oceanographic community of public, academic, commercial, private participation or support;
“(C) whether the partners have a long-term commitment to the objectives of the project;

“(D) whether the resources supporting the project are shared among the partners; and

“(E) whether the project has been subjected to adequate review according to each of the supporting agencies.

“(e) ANNUAL REPORT AND BRIEFING.—(1) Not later than March 1 of each year, the Committee shall post a report on the National Oceanographic Partnership Program on a publicly available website and brief—

“(A) the Committee on Commerce, Science, and Transportation of the Senate;

“(B) the Committee on Armed Services of the Senate;

“(C) the Committee on Natural Resources of the House of Representatives;

“(D) the Committee on Science, Space, and Technology of the House of Representatives; and

“(E) the Committee on Armed Services of the House of Representatives.

“(2) The report and all briefing materials shall be posted to a publicly available website not later than 30 days after the briefing.
“(3) The report and briefing shall include the following:

“(A) A description of activities of the program carried out during the prior fiscal year.

“(B) A general outline of the activities planned for the program during the current fiscal year.

“(C) A summary of projects, partnerships, and collaborations, including the Federal and non-Federal sources of funding, continued from the prior fiscal year and projects expected to begin during the current and subsequent fiscal years, as required in the program office report outlined in section 8932(f)(2)(C) of this title.

“(D) The amounts requested in the budget submitted to Congress pursuant to section 1105(a) of title 31 for the subsequent fiscal year, for the programs, projects, activities and the estimated expenditures under such programs, projects, and activities, to execute the National Oceanographic Partnership Program.

“(E) A summary of national ocean research priorities informed by the Ocean Research Advisory Panel required in section 8933(b)(4) of this title.

“(F) A list of the members of the Ocean Research Advisory Panel described in section 8933(a)
of this title and any working groups described in section 8932(f)(2)(A) of this title in existence during the fiscal years covered.

“(d) National Oceanographic Partnership Fund.—(1) There is established in the Treasury a separate account to be known as the National Oceanographic Partnership Program Fund to be jointly managed by the Secretary of the Navy, the Administrator of the National Oceanic and Atmospheric Administration, and any other Federal agency that contributes amounts to the Fund.

“(2) Amounts in the Fund shall be available to the National Oceanic Partnership Program without further appropriation to remain available for up to 5 years from the date contributed or until expended for the purpose of carrying out this section.

“(3) There is authorized to be credited to the Fund the following:

“(A) Such amounts as determined appropriate to be transferred to the Fund by the head of a Federal agency or entity participating in the National Oceanographic Partnership Program.

“(B) Funds provided by a State, local government, tribal government, territory, or possession, or any subdivisions thereof.

“(C) Funds contributed by—
“(i) a non-profit organization, individual, or Congressionally-established foundation; and
“(ii) by private grants, contracts, and donations.
“(4) For the purpose of carrying out this section, as directed by the Committee, departments or agencies represented on the Committee may enter into contracts, make grants, including transactions authorized by paragraph (5), and may transfer funds available to the National Oceanographic Partnership Program under paragraph (3) to participating departments and agencies for such purposes.
“(5) The Committee or any participating Federal agency or entity may enter into an agreement to use, with or without reimbursement, the land, services, equipment, personnel, and facilities of any department, agency, or instrumentality of the United States, or of any State, local government, Indian tribal government, Territory, District of Columbia, or possession, or of any political subdivision thereof, or of any foreign government or international organization or individual, for the purpose of carrying out this section.
“(e) ESTABLISHMENT AND FORMS OF PARTNERSHIP PROJECTS.—A partnership project under the National Oceanographic Partnership Program—
“(1) may be established by any instrument that the Committee considers appropriate; and

“(2) may include demonstration projects.

“(f) PARTNERSHIP PROGRAM OFFICE.—(1) The Secretary of the Navy and Administrator of the National Oceanic and Atmospheric Administration shall jointly establish a partnership program office for the National Oceanographic Partnership Program. Competitive procedures will be used to select an external operator for the partnership program office.

“(2) The Committee will monitor the performance of the duties of the partnership program office, which shall consist of the following:

“(A) To support working groups established by the Committee or subcommittee and report working group activities to the Committee, including working group proposals for partnership projects.

“(B) To support the process for proposing partnership projects to the Committee, including, where appropriate, managing review of such projects.

“(C) To submit to the Committee and make publicly available an annual report on the status of all partnership projects, including the Federal and non-Federal sources of funding for each project, and activities of the office.
“(D) To perform any additional duties for the administration of the National Oceanographic Partnership Program that the Committee considers appropriate.”

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 893 of title 10, United States Code, is amended by striking the item relating to section 8932 and inserting the following new item:

“8932. Ocean Policy Committee.”

(c) OCEAN RESEARCH ADVISORY PANEL.—Section 8933 of such title is amended to read as follows:

“§ 8933. Ocean Research Advisory Panel

“(a) ESTABLISHMENT.—(1) The Committee shall establish an Ocean Research Advisory Panel consisting of not less than 10 and not more than 18 members appointed by the Co-chairs, including the following:

“(A) Three members who will represent the National Academies of Sciences, Engineering, and Medicine.

“(B) Members selected from among individuals who will represent the views of ocean industries, State, tribal, territorial or local governments, academia, and such other views as the Co-chairs consider appropriate.”
“(C) Members selected from among individuals eminent in the fields of marine science, marine technology, and marine policy, or related fields.

“(2) The Committee shall ensure that an appropriate balance of academic, scientific, industry, and geographical interests and gender and racial diversity are represented by the members of the Advisory Panel.

“(b) Responsibilities.—The Committee shall assign the following responsibilities to the Advisory Panel:

“(1) To advise the Committee on policies and procedures to implement the National Oceanographic Partnership Program.

“(2) To advise the Committee on matters relating to national oceanographic science, engineering, facilities, or resource requirements.

“(3) To advise the Committee on improving diversity, equity, and inclusion in the ocean sciences and related fields.

“(4) To advise the Committee on national ocean research priorities.

“(5) Any additional responsibilities that the Committee considers appropriate.

“(6) To meet no fewer than two times a year.

“(c) Administrative and Technical Support.—The Administrator of the National Oceanic and Atmos-
pheric Administration shall provide such administrative and technical support as the Ocean Research Advisory Panel may require.

“(d) FEDERAL ADVISORY COMMITTEE ACT.—Section 14 of the Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the Ocean Research Advisory Panel appointed under section 8933.”.

SEC. 1745. REQUIREMENTS RELATING TO PROGRAM AND PROJECT MANAGEMENT.

(a) STANDARDS FOR PROGRAM AND PROJECT MANAGEMENT.—Section 503(c)(1)(D) of title 31, United States Code, is amended by striking “consistent with widely accepted standards” and inserting “in accordance with standards accredited by the American National Standards Institute”.

(b) PROGRAM MANAGEMENT IMPROVEMENT OFFICERS AND PROGRAM MANAGEMENT POLICY COUNCIL.—Section 1126 of title 31, United States Code, is amended—

(1) in subsection (a)(1), by inserting after “senior executive of the agency” the following: “, who has significant program and project management oversight responsibilities,”; and

(2) in subsection (b)(4) by striking “twice” and inserting “four times”.

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SEC. 1746. QUARTERLY BRIEFINGS ON JOINT ALL DOMAIN
COMMAND AND CONTROL CONCEPT.

(a) In General.—During the period beginning on
October 1, 2020, and ending on October 1, 2022, the Di-
rector of the Joint All Domain Command and Control (in
this section referred to as “JADC2”) Cross Functional
Team (in this section referred to as “CFT”), in consulta-
tion with the Vice Chairman of the Joint Chiefs of Staff
and Chief Information Officer of the Department of De-
fense, shall provide to the Committee on Armed Services
of the House of Representatives quarterly briefings on the
progress of the Department’s Joint All Domain Command
and Control concept.

(b) Elements.—Each briefing under subsection (a)
shall include, with respect to the JADC2 concept, the fol-
lowing elements:

(1) The status of the joint concept of command
and control.

(2) How the JADC2 CFT is identifying gaps
and addressing validated requirements based on the
joint concept of command and control.

(3) Progress in developing specific plans to
evaluate and implement materiel and non-materiel
improvements to command and control capabilities.

(4) Clarification on distribution of responsibil-
ities and authorities within the CFT and the Office
of the Secretary of Defense with respect to JADC2, and how the CFT and the Office of the Secretary of Defense are synchronizing and aligning with joint and military concepts, solutions, experimentation, and exercises.

(5) The status of and review of any recommendations for resource allocation necessary to achieve operational JADC2.

(6) A sufficiency assessment of planned funding across the future years defense program for the development of JADC2 capabilities.

SEC. 1747. RESOURCES TO IMPLEMENT A DEPARTMENT OF DEFENSE POLICY ON CIVILIAN CASUALTIES IN CONNECTION WITH UNITED STATES MILITARY OPERATIONS.

(a) Resources to Implement Department of Defense Policy on Civilian Casualties in Connection With United States Military Operations.—

(1) Purpose.—The purpose of this section is to facilitate fulfillment of the requirements in section 936 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (10 U.S.C. 134 note).
(2) PERSONNEL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall do the following:

(A) Add to, and assign within, each of the United States Central Command, the United States Africa Command, the United States Special Operations Command, the United States European Command, the United States Southern Command, the United States Indo-Pacific Command, and the United States Northern Command not fewer than two personnel who shall have primary responsibility for the following in connection with military operations undertaken by such command:

(i) Providing guidance and oversight relating to prevention of and response to civilian casualties, promotion of observance of human rights, and the protection of civilians and civilian infrastructure.

(ii) Overseeing civilian casualty response functions on behalf of the commander of such command.

(iii) Receiving reports of civilian casualties and conduct of civilian casualty assessments.
(iv) Analyzing civilian casualty incidents and trends.

(v) Offering condolences for casualties, including ex gratia payments.

(vi) Ensuring the integration of activities relating to civilian casualty mitigation, protection of civilians, and promotion of observance of human rights in security cooperation activities.

(vii) Consulting with non-governmental organizations on civilian casualty and human rights matters.

(B) Add to, and assign within, the Office of the Under Secretary for Policy not fewer than two personnel who shall have primary responsibility for implementing and overseeing implementation by the components of the Department of Defense of Department policy on civilian casualties resulting from United States military operations.

(C) Add to, and assign within, the Joint Staff not fewer than two personnel who shall have primary responsibility for the following:

(i) Overseeing implementation by the components of the Department of Defense
of Department policy on civilian casualties resulting from United States military operations.

(ii) Developing and sharing in the implementation of such policy.

(iii) Communicating operational guidance on such policy.

(3) TRAINING, SOFTWARE, AND OTHER REQUIREMENTS.—

(A) IN GENERAL.—In each of fiscal years 2021 through 2023, the Secretary of Defense and each Secretary of a military department may obligate and expend, from amounts specified in subparagraph (B), not more than $5,000,000 for the following:

(i) Training related to civilian casualty mitigation and response.

(ii) Information technology equipment, support and maintenance, and data storage, in order to implement the policy of the Department related relating to civilian casualties resulting from United States military operations as required by section 936 of the John S. McCain National De-

(B) Funds.—The funds for a fiscal year specified in this subparagraph are funds as follows:

(i) In the case of the Secretary of Defense, amounts authorized to be appropriated for such fiscal year for operation and maintenance, Defense-wide.

(ii) In the case of a Secretary of a military department, amounts authorized to be appropriated for such fiscal year for operation and maintenance for the components of the Armed Forces under the jurisdiction of such Secretary.

(b) United States Military Operations Defined.—In this section, the term “United States military operations” includes any mission, strike, engagement, raid, or incident involving United States Armed Forces.

SEC. 1748. SENSE OF CONGRESS REGARDING REPORTING OF CIVILIAN CASUALTIES RESULTING FROM UNITED STATES MILITARY OPERATIONS.

It is the sense of Congress—

(1) to commend the Department of Defense for the measures it has implemented and is currently
implementing to prevent, mitigate, track, investigate, learn from, respond to, and report civilian casualties resulting from United States military operations; and

(2) to agree with the Department that civilian casualties are a tragic and unavoidable part of war, and to recognize that the Department endeavors to conduct all military operations in compliance with the international law of armed conflict and the laws of the United States, including distinction, proportionality, and the requirement to take feasible precautions in planning and conducting operations to reduce the risk of harm to civilians and other protected persons and objects; and the protection of civilians and other protected persons and objects, in addition to a legal obligation and a strategic interest, is a moral and ethical imperative; that the Department has submitted to Congress three successive annual reports on civilian casualties resulting from United States military operations for calendar years 2017, 2018, and 2019, and has updated reports as appropriate; and to recognize the efforts of the Department, both in policy and in practice, to reduce the harm to civilians and other protected persons and objects resulting from United States military
operations, and to encourage the Department to make additional progress in—

(A) developing at all combatant commands personnel and offices responsible for advising the commanders of such commands, and integrating into command strategy, the promotion of observance of human rights and the protection of civilians and other protected persons and objects;

(B) finalizing and implementing the policy of the Department relating to civilian casualties resulting from United States military operations, as required by section 936 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (10 U.S.C. 134 note);

(C) finalizing Department-wide regulations to implement section 1213 of the National Defense Authorization for Fiscal Year 2020 (Public Law 116–92) for ex gratia payments for damage, personal injury, or death that is incident to the use of force by the United States Armed Forces, a coalition that includes the United States, a military organization supporting the United States, or a military organi-
zation supporting the United States or such co-
alition; and

(D) professionalizing foreign partner forces
to reduce civilian casualties, including in con-
nection with train and equip programs, advise,
assist, accompany, and enable missions, and
fully combined and coalition operations.

SEC. 1749. PROHIBITION OF PUBLIC DISPLAY OF CONFED-
ERATE BATTLE FLAG ON DEPARTMENT OF
DEFENSE PROPERTY.

(a) PROHIBITION.—Except as provided in subsection
(b) the Secretary of Defense shall prohibit the public dis-
play of the Confederate battle flag at all Department of
Defense property.

(b) EXCEPTIONS.—The prohibition under subsection
(a) shall not apply to—

(1) a museum located on a Department of De-
fense installation that addresses the Civil War from
a historical or educational perspective;

(2) an educational or historical display depict-
ing a Civil War battle in which the Confederate bat-
tle flag is present, but not the main focus of the dis-
play;

(3) a State flag that incorporates the Confed-
erate battle flag;
(4) a State-issued license plate with a depiction of the Confederate battle flag; or

(5) a grave site of a Confederate soldier.

(c) DEFINITIONS.—In this section:

(1) The term “Confederate battle flag” means the battle flag carried by Confederate armies during the Civil War.

(2) The term “Department of Defense property” means all installations, workplaces, common-access areas, and public areas of the Department of Defense, including—

(A) office buildings, facilities, naval vessels, aircraft, Government vehicles, hangars, ready rooms, conference rooms, individual offices, cubicles, storage rooms, tool and equipment rooms, workshops, break rooms, galleys, recreational areas, commissaries, Navy and Marine Corps exchanges, and heads;

(B) sensitive compartmented information facilities and other secure facilities;

(C) open-bay barracks and common areas of barracks and living quarters;

(D) all Department of Defense school houses and training facilities including, officer
candidate school, the basic school, recruit training command, and recruiting offices;

(E) all areas of the Department of Defense in public or plain view, including outside areas, work office buildings, stores, or barracks, including parking lots;

(F) the front yard or external porch of Government-owned and Government-operated housing and public-private venture housing; and

(G) automobile bumper stickers, clothing, and other apparel that is located on or in any installation, workplace, common-access area, or public area of the Department of Defense.

SEC. 1750. DEPLOYMENT OF REAL-TIME STATUS OF SPECIAL USE AIRSPACE.

(a) IN GENERAL.—The Administrator of the Federal Aviation Administration, in consultation, as appropriate, with the Secretary of Defense and the heads of the military services, including the National Guard and Air National Guard, and other appropriate Federal agencies, shall initiate, not later than 180 days after the date of enactment of this Act, a program to enable public dissemination of information on—
(1) the real-time status of the activation or deactivation of military operations areas and restricted areas; and

(2) the reports submitted to the Administrator pursuant to section 73.19 of title 14, Code of Federal Regulations.

(b) STATUS REPORT.—

(1) IN GENERAL.—Not later than one year after the Administrator initiates the program required under subsection (a), and every year thereafter until such program is complete, the Administrator shall submit a status report to the appropriate committees of Congress on the implementation of such program.

(2) CONTENTS.—The report required under paragraph (1) shall contain, at a minimum—

(A) an update on the progress of the Administrator in modifying policies, systems, or equipment that may be necessary to enable the public dissemination of information on the real-time status of the activation or deactivation of military operations areas and restricted areas;

(B) a description of any challenges to completing the program initiated pursuant to subsection (a), including challenges in—
(i) receiving the timely and complete submissions of data concerning airspace usage;

(ii) modifying policies; and

(iii) acquiring necessary systems or equipment; and

(C) a timeline of the anticipated completion of the program and the modifications described in subparagraph (A).

(c) Utilization Reports.—Not later than 180 days after the date of enactment of this Act, the Secretary of Defense shall submit a report to the appropriate committees of Congress—

(1) describing whether the Department of Defense has submitted the utilization reports required under section 73.19 of title 14, Code of Federal Regulations for the prior fiscal year, and, if so, to what extent such reports have been submitted; and

(2) providing, if the Secretary discovers that all such reports have not been submitted in a timely and complete manner—

(A) an explanation for the failure to submit any such reports in the manner prescribed by regulation; and
(B) a plan to ensure the timely and complete submission of all such reports.

(d) Policies.—Not later than 18 months after the date of enactment of this Act, the Administrator shall submit a report to the appropriate committees of Congress on special use airspace, including a review of the Federal Aviation Administration’s—

(1) policies and processes for establishing, reviewing, and revoking military operations areas and restricted areas; and

(2) administration, including release of, underutilized special use airspace.

(e) Definitions.—In this section:

(1) The term “appropriate committees of Congress” means—

(A) the Committee on Commerce, Science, and Transportation and the Committee on Armed Services of the Senate; and

(B) the Committee on Transportation and Infrastructure and the Committee on Armed Services of the House of Representatives.

(2) The term “underutilized”, with respect to a military operations area or restricted area, means such an area determined by the Administrator of the Federal Aviation Administrator to have had, during
the two most recent consecutive fiscal years prior to
the date of enactment of this Act, the number of
hours actually utilized be less than 75 percent of the
number of hours the area was activated, discounted
for weather cancellations and delays, loss of use for
reasons beyond the control of the Federal agency
using the area, and other factors determined appro-
priate by the Administrator.

SEC. 1751. DUTIES OF SECRETARY UNDER UNIFORMED AND
OVERSEAS CITIZENS ABSENTEE VOTING ACT.

(a) Ensuring Ability of Absent Uniformed
Services Voters Serving at Diplomatic and Con-
sular Posts to Receive and Transmit Balloting
Materials.—In carrying out the Secretary’s duties as
the Presidential designee under the Uniformed and Over-
seas Citizens Absentee Voting Act (52 U.S.C. 20301 et
seq.), the Secretary shall take such actions as may be nec-
essary to ensure that an absent uniformed services voter
under such Act who is absent from the United States by
reason of active duty or service at a diplomatic and con-
sular post of the United States is able to receive and
transmit balloting materials in the same manner and with
the same rights and protections as an absent uniformed
services voter under such Act who is absent from the
United States by reason of active duty or service at a military installation.

(b) EFFECTIVE DATE.—This section shall apply with respect to elections held on or after the date of the enactment of this Act.

SEC. 1752. PUBLICLY AVAILABLE DATABASE OF CASUALTIES OF MEMBERS OF THE ARMED FORCES.

(a) IN GENERAL.—The Secretary of Defense shall publish on an appropriate publicly available website of the Department of Defense a database of all casualties of members of the Armed Forces of the United States that occur during military operations that take place during 1990 or any subsequent year.

(b) REQUIREMENTS.—The Secretary shall ensure that the database published under subsection (a) has the following capabilities:

(1) The capability of generating a machine readable report, to the extent practicable, through searches based on each, and any combination, of the casualty attributes.

(2) The capability of downloading individual records as the result of a search based on each, and any combination, of the casualty attributes.

(c) NEXT-OF-KIN OPT OUT.—The Secretary shall develop a mechanism under which the next-of-kin (as deter-
mined by the Secretary) of any individual whose information would be included in the database required under subsection (a) may elect to have such information excluded from the database.

(d) CASUALTY ATTRIBUTES.—In this section, the term “casualty attributes” means each of the following with respect to the casualty of a member of the Armed Forces:

(1) The conflict in which the casualty occurred.

(2) The country where the casualty occurred.

(3) The attributes of the member of the Armed Forces, including—

(A) service;

(B) component;

(C) name;

(D) rank;

(E) date of death; and

(F) any other information as determined by the Secretary.

SEC. 1753. NOTICE AND COMMENT FOR PROPOSED ACTIONS OF THE SECRETARY OF DEFENSE RELATING TO FOOD AND BEVERAGE INGREDIENTS.

(a) NOTICE AND COMMENT.—Before promulgating any service-wide or Department-wide final rule, statement,
or determination relating to the limitation or prohibition
of an ingredient in a food or beverage item provided to
members of the Armed Forces by the Department of De-
fense (including an item provided through a commissary
store, a dining facility on a military installation, or a mili-
tary medical treatment facility), the Secretary of Defense
shall—

(1) publish in the Federal Register a notice of
the proposed rule, statement, or determination (in
this section referred to as a “proposed action’’); and

(2) provide interested persons an opportunity to
submit public comments with respect to the pro-
posed action.

(b) Matters to Be Included in Notice.—The
Secretary shall include in any notice published under sub-
section (a)(2) the following:

(1) A summary of the notice.

(2) The date of publication of the notice.

(3) The contact information for the office of the
Department of Defense responsible for the proposed
action.

(4) The deadline for comments to be submitted
with respect to the proposed action and a description
of the method to submit such comments.

(5) A description of the proposed action.
(6) Findings and a statement of reason supporting the proposed action.

(c) WAIVER AUTHORITY.—The Director of the Defense Logistics Agency may waive subsections (a) and (b) if the Director determines such waiver is necessary for military operations or for the response to a national emergency declared by the President under the National Emergencies Act (50 U.S.C. 1601 et seq.), a medical emergency, or a pandemic.

(d) REPORTS.—

(1) REPORTS.—On a quarterly basis, the Director of the Defense Logistics Agency shall submit to the congressional defense committees a report containing an identification of any waiver under subsection (c) issued or in effect during the quarter preceding submission of the report.

(2) MATTERS.—A report under paragraph (1) shall include, with respect to each waiver identified, the following:

(A) The date, time, and location of the issuance of such waiver.

(B) A detailed justification for the issuance of such waiver.

(C) An identification of the rule, statement, or determination for which the Director
issued such waiver, including the proposed duration of such rule, statement, or determination.

SEC. 1754. SPACE STRATEGIES AND ASSESSMENT.

(a) SENSE OF CONGRESS.—It is the sense of Congress that the United States Government should support activities in space by—

(1) ensuring robust, innovative, and increasingly capable civil and national security space programs;

(2) supporting effective and stable space partnerships with allies of the United States;

(3) leveraging, to the greatest extent practicable and appropriate, commercial space capabilities; and

(4) ensuring freedom of navigation and providing measures to assure the supply chain related to such space assets and manufacturing processes of such assets.

(b) STRATEGY REQUIRED.—Not later than 270 days after the date of the enactment of this Act, the President, in consultation with the National Space Council, shall develop and maintain a strategy to ensure that the United States, as appropriate, strengthens civil and national security capabilities and operations in space through—
(1) challenging and inspiring civil space goals
and programs;

(2) partnerships with allies of the United States;

(3) leveraging of commercial space capabilities;

(4) ensuring supply chain and manufacturing processes for space assets;

(5) sustaining a highly skilled, world-class workforce; and

(6) considering the financial security and cyber-security concerns threatening commercial and Federal Government launch sites of the United States.

(c) SUBMISSION OF STRATEGY AND PLAN.—Not later than one year after the date of the enactment of this Act, the Chair of the National Space Council, in consultation with relevant departments and agencies of the Federal Government, shall submit to the appropriate congressional committees a report setting forth—

(1) the strategy under subsection (b); and

(2) a plan to implement the strategy, including to—

(A) ensure the freedom of navigation of space assets and protect the supply chain relating to such assets and manufacturing process of such assets from threats from the People’s Re-
public of China and the Russian Federation, which may include protection from intellectual property theft and threats with respect to electronic warfare capabilities;

(B) identify capabilities required to ensure civil and national security space leadership;

(C) provide contingency and resiliency for civil and national security space operations; and

(D) strengthen relations with the allies of the United States with respect to space.

(d) ASSESSMENT AND REPORT.—

(1) ASSESSMENT AND REPORT REQUIREMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Administrator of the National Aeronautics and Space Administration, shall submit to the appropriate congressional committees a report that includes—

(A) an assessment of the capabilities and role of relevant departments and agencies of the Federal Government to—

(i) ensure access to launch, communications, and freedom of navigation and other relevant infrastructure and services
for civil and national security space programs and activities; and

(ii) identify vulnerabilities that could affect access to space infrastructure; and

(iii) address financial security and cybersecurity concerns threatening commercial and Federal Government launch sites of the United States; and

(B) recommendations and costs to improve the capabilities assessed pursuant to subparagraph (A), including recommendations with respect to—

(i) the electronic warfare capabilities of China and Russia; and

(ii) the use of counterspace weapons and cyber attacks by China and Russia.

(2) FORM.—The report under paragraph (1) may include a classified annex.

(e) DEFINITIONS.—In this section:

(1) The term “appropriate congressional committees” means—

(A) the Committee on Armed Services of the House of Representatives;

(B) the Committee on Science, Space, and Technology of the House of Representatives;
(C) the Committee on Foreign Affairs of the House of Representatives;

(D) the Committee on Energy and Commerce of the House of Representatives;

(E) the Committee on Armed Services of the Senate;

(F) the Committee on Foreign Relations of the Senate; and

(G) the Committee on Commerce, Science, and Transportation of the Senate.

(2) The term “launch site” has the meaning given that term under section 50902 of title 51, United States Code.

SEC. 1755. NONIMMIGRANT STATUS FOR CERTAIN NATIONALS OF PORTUGAL.

For purposes of clauses (i) and (ii) of section 101(a)(15)(E) of the Immigration and Nationality Act (8 U.S.C. 1101(a)(15)(E)), Portugal shall be considered to be a foreign state described in such section if the Government of Portugal provides similar nonimmigrant status to nationals of the United States.

SEC. 1756. SENSE OF CONGRESS ON EXTENSION OF LIMITATIONS ON IMPORTATION OF URANIUM FROM RUSSIAN FEDERATION.

It is the sense of Congress that—
(1) a secure nuclear fuel supply chain is essential to the economic and national security of the United States;

(2) the Government of the Russian Federation uses its control over energy resources, including in the civil nuclear sector, to exert political influence and create economic dependency in other countries;

(3) the Agreement Suspending the Antidumping Investigation on Uranium from the Russian Federation (commonly referred to as the “Russian Suspension Agreement”), which limits imports of Russian uranium to 20 percent of the market share, is vital to averting American dependence on Russian energy;

(4) the United States should—

(A) expeditiously complete negotiation of an extension of the Russian Suspension Agreement to cap the market share for Russian uranium at 20 percent or lower; or

(B) if an agreement to extend the Russian Suspension Agreement cannot be reached, complete the antidumping investigation under title VII of the Tariff Act of 1930 (19 U.S.C. 1671 et seq.) with respect to imports of uranium from the Russian Federation—
(i) to avoid unfair trade in uranium and maintain a nuclear fuel supply chain in the United States, consistent with the national security and nonproliferation goals of the United States; and

(ii) to protect the United States nuclear fuel supply chain from the continued manipulation of the global and United States uranium markets by the Russian Federation and Russian-influenced competitors;

(5) a renegotiated, long-term extension of the Russian Suspension Agreement can prevent adversaries of the United States from monopolizing the nuclear fuel supply chain;

(6) as was done in 2008, upon completion of a new negotiated long-term extension of the Russian Suspension Agreement, Congress should enact legislation to codify the terms of extension into law to ensure long-term stability for the domestic nuclear fuel supply chain; and

(7) if the negotiations to extend the Russian Suspension Agreement prove unsuccessful, Congress should be prepared to enact legislation to prevent the manipulation by the Russian Federation of glob-
al uranium markets and potential domination by the Russian Federation of the United States uranium market.

SEC. 1757. AUTHORITY TO ESTABLISH A MOVEMENT CO-ORDINATION CENTER PACIFIC IN THE INDOPACIFIC REGION.

(a) Authority to Establish.—

(1) In general.—The Secretary of Defense, with the concurrence of the Secretary of State, may authorize—

(A) the establishment of a Movement Co-ordination Center Pacific (in this section referred to as the “Center”); and

(B) participation of the Department of Defense in an Air Transport and Air-to-Air refueling and other Exchanges of Services program (in this section referred to as the “ATARES program”) of the Center.

(2) Scope of Participation.—Participation in the ATARES program under paragraph (1)(B) shall be limited to the reciprocal exchange or transfer of air transportation and air refueling services on a reimbursable basis or by replacement-in-kind or the exchange of air transportation or air refueling services of an equal value with foreign militaries.
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(3) LIMITATIONS.—The Department of Defense’s balance of executed transportation hours, whether as credits or debits, in participation in the ATARES program under paragraph (1)(B) may not exceed 500 hours. The Department of Defense’s balance of executed flight hours for air refueling in the ATARES program under paragraph (1)(B) may not exceed 200 hours.

(b) WRITTEN ARRANGEMENT OR AGREEMENT.—

(1) ARRANGEMENT OR AGREEMENT REQUIRED.—The participation of the Department of Defense in the ATARES or exchange like program under subsection (a) shall be in accordance with a written arrangement or agreement entered into by the Secretary of Defense, with the concurrence of the Secretary of State.

(2) FUNDING ARRANGEMENTS.—If Department of Defense facilities, equipment, or funds are used to support the ATARES program, the written arrangement or agreement under paragraph (1) shall specify the details of any equitable cost-sharing or other funding arrangement.

(3) OTHER ELEMENTS.—Any written arrangement or agreement entered into under paragraph (1) shall require that any accrued credits and liabilities
resulting from an unequal exchange or transfer of
air transportation or air refueling services shall be
liquidated, not less than once every five years,
through the ATARES program.

(c) IMPLEMENTATION.—In carrying out any written
arrangement or agreement entered into under subsection
(b), the Secretary of Defense may—

(1) pay the Department of Defense’s equitable
share of the operating expenses of the Center and
the ATARES program from funds available to the
Department of Defense for operation and mainte-
nance; and

(2) assign members of the Armed Forces or De-
partment of Defense civilian personnel, within billets
authorized for the United States Indo-Pacific Com-
mand, to duty at the Center as necessary to fulfill
the Department of Defense obligations under that
arrangement or agreement.

(d) REPORT.—Not later than March 1, 2021, the
Secretary of Defense shall submit to the congressional de-
fense committees a report that contains—

(1) a summary of the coordination structure of
the center and program, and details related to its
formation and implementation;
(2) list of the military services, by country, participating or seeking to participate in the program;

(3) for each country on the list under paragraph (2), a description of completed agreements and those still to be completed with host nations, as applicable; and

(4) any other relevant matters that the Secretary determines should be included.

SEC. 1758. ESTABLISHMENT OF VETTING PROCEDURES AND MONITORING REQUIREMENTS FOR CERTAIN MILITARY TRAINING.

(a) Establishment of Vetting Procedures.—

(1) In General.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall establish procedures to vet covered individuals for eligibility for physical access to Department of Defense installations and facilities within the United States.

(2) Criteria for Procedures.—The procedures established under paragraph (1) shall include biographic and biometric screening of covered individuals, continuous review of whether covered individuals should continue to be authorized for physical access, biographic checks of the immediate family members of covered individuals, and any other meas-
asures that the Secretary determines appropriate for vetting.

(3) COLLECTION OF INFORMATION.—The Secretary shall—

(A) collect the information required to vet individuals under the procedures established under this subsection;

(B) as required for the effective implementation of this section, seek to enter into agreements with the relevant departments and agencies of the United States to facilitate the sharing of information in the possession of such departments and agencies concerning covered individuals; and

(C) ensure that the initial vetting of covered individuals is conducted as early and promptly as practicable, to minimize disruptions to United States programs to train foreign military students.

(b) DETERMINATION AUTHORITY.—

(1) REVIEW OF VETTING RESULTS.—The Secretary shall assign to an organization within the Department with responsibility for security and counterintelligence the responsibility of—
(A) reviewing the results of the vetting of a covered individual conducted under subsection (a); and

(B) making a recommendation regarding whether such individual should be given physical access to a Department of Defense installation or facility.

(2) NEGATIVE RECOMMENDATION.—If the recommendation with respect to a covered individual under paragraph (1)(B) is that the individual should not be given physical access to a Department of Defense installation or facility—

(A) such individual may only be given such access if such access is authorized by the Secretary of Defense or the Deputy Secretary of Defense; and

(B) the Secretary of Defense shall ensure that the Secretary of State is promptly provided with notification of such recommendation.

(c) ADDITIONAL SECURITY MEASURES.—

(1) SECURITY MEASURES REQUIRED.—The Secretary of Defense shall ensure that—

(A) all Department of Defense common access cards issued to foreign nationals in the United States comply with the credentialing
standards issued by the Office of Personnel Management;

(B) all such common access cards issued to foreign nationals in the United States include a visual indicator as required by the standard developed by the Department of Commerce National Institute of Standards and Technology;

(C) physical access by covered individuals is limited, as appropriate, to those Department of Defense installations or facilities within the United States directly associated with the training or education or necessary for such individuals to access authorized benefits;

(D) a policy is in place covering possession of firearms on Department of Defense property by covered individuals;

(E) covered individuals who have been granted physical access to Department of Defense installations and facilities are incorporated into the Insider Threat Program of the Department of Defense; and

(F) covered individuals are prohibited from transporting, possessing, storing, or using personally owned firearms on Department of Defense installations or property consistent with

(2) EFFECTIVE DATE.—The security measures required under paragraph (1) shall take effect on the date that is 181 days after the date of the enactment of this Act.

(3) NOTIFICATION REQUIRED.—Upon the establishment of the security measures required under paragraph (1), the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives notice of the establishment of such security measures.

(d) REPORTING REQUIREMENTS.—

(1) BRIEFING REQUIREMENT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the Committee on Armed Services of the Senate and the Committees on Armed Services and Foreign Affairs of the House of Representative a briefing on the establishment of any policy or guidance related to the implementation of this section.

(2) REPORT.—Not later than two years after the date of the enactment of this Act, the Secretary of Defense shall submit to such committees a report
on the implementation and effects of this section. Such report shall include a description of—

(A) any positive or negative effects on the training of foreign military students as a result of this section;

(B) the effectiveness of the vetting procedures implemented pursuant to this section in preventing harm to members of the Armed Forces and United States persons;

(C) any mitigation strategies used to address any negative effects of the implementation of this section; and

(D) a proposed plan to mitigate any ongoing negative effects to the vetting and training of foreign military students by the Department of Defense.

(e) DEFINITIONS.—In this section:

(1) The term “covered individual” means any foreign national (except foreign nationals of Australia, Canada, New Zealand, and the United Kingdom who have been granted a security clearance that is reciprocally accepted by the United States for access to classified information) who—
(A) is seeking physical access to a Department of Defense installation or facility within the United States; and

(B) is—

(i) selected, nominated, or accepted for training or education for a period of more than 14 days occurring on a Department of Defense installation or facility within the United States; or

(ii) an immediate family member accompanying any foreign national who has been selected, nominated, or accepted for such training or education.

(2) The term “United States” means the several States, the District of Columbia, the Commonwealth of Puerto Rico, and Guam.

(3) The term “immediate family member” with respect to any individual means the parent, step-parent, sibling, step-sibling, half-sibling, child, or step-child of the individual.

SEC. 1759. WOMEN, PEACE, AND SECURITY ACT IMPLEMENTATION.

(a) Sense of Congress.—It is the sense of Congress that $15,000,000 annually is an appropriate allocation of funding to be made available for activities con-
sistent with the Women, Peace, and Security Act of 2017 (Public Law 115–68; 131 Stat. 1202) and with any guidance specified in this section, in order to fully implement such Act and in furtherance of the national security priorities of the United States.

(b) IN GENERAL.—During the period beginning on the date of the enactment of this Act and ending on September 30, 2025, the Secretary of Defense shall carry out activities consistent with the Women, Peace, and Security Act of 2017 and with the guidance specified in this section, including by carrying out—

(1) any Defense-wide directives and programs that advance the implementation of the Women, Peace, and Security Act of 2017, including directives relating to military doctrine, programs that are applicable across the Department, and programs that are specific to a combatant command;

(2) the hiring and training of full-time equivalent personnel as gender advisors of the Department;

(3) the integration of gender analysis into training for military personnel across ranks, to include special emphasis on senior level training and support for women, peace, and security; and
(4) security cooperation activities that further implement the Women, Peace, and Security Act of 2017.

(c) SECURITY COOPERATION ACTIVITIES.—Consistent with the Women, Peace, and Security Act of 2017, the Secretary of Defense, in coordination with the Secretary of State, shall incorporate gender analysis and participation by women into security cooperation activities conducted with the national security forces of foreign countries pursuant to subsection (b)(4), including by—

(1) incorporating gender analysis (including data disaggregated by sex) and priorities for women, peace, and security into educational, training, and capacity-building materials and programs, including as authorized by section 333 of title 10, United States Code;

(2) advancing and advising on the recruitment, employment, development, retention, and promotion of women in the national security forces of such foreign countries, including by—

(A) identifying available military career opportunities for women;

(B) promoting such career opportunities among women and girls;
(C) promoting the skills necessary for such careers;

(D) encouraging the interest of women and girls in such careers, including by highlighting as role models women in such careers in the United States or in applicable foreign countries; and

(E) advising on best practices to prevent the harassment and abuse of women serving in the national security forces of such foreign countries;

(3) incorporating training and advising to address sexual harassment and abuse against women within such national security forces;

(4) integrating gender analysis into policy and planning; and

(5) ensuring any infrastructure constructed pursuant to the security cooperation activity addresses the requirements of women serving in such national security forces, including by addressing appropriate equipment.

(d) PARTNER COUNTRY ASSESSMENTS.—The Secretary of Defense shall include in any partner country assessment conducted in the course of carrying out security cooperation activities specified in subsection (b)(4) consid-
eration of any barriers or opportunities with respect to
women in the national security forces of such partner
countries, including any barriers or opportunities relating
to—

(1) protections against exploitation, abuse, and
harassment; or

(2) recruitment, employment, development, re-
tention, or promotion of the women.

(e) STANDARDIZATION OF POLICIES.—

(1) IN GENERAL.—Not later than 90 days after
the date of the enactment of this Act, the Secretary
of Defense shall initiate a process to standardize
policies relating to women, peace, and security
across the Department of Defense.

(2) ROLES, RESPONSIBILITIES, AND REQUIRE-
MENTS.—In carrying out the process initiated under
paragraph (1), the Secretary shall establish roles, re-
sponsibilities, and requirements for gender advisors,
gender focal points, and women, peace, and security
subject matter experts, including with respect to
commander and senior official-level engagement and
support for women, peace, and security commit-
ments.

(f) DEPARTMENT EDUCATION, AND TRAINING.—The

Secretary of Defense shall—
(1) integrate gender analysis into relevant training for all members of the Armed Forces and civilian employees of the Department of Defense;

(2) develop standardized training, across the Department, for gender advisors, gender focal points, and women, peace, and security subject matter experts; and

(3) ensure that gender analysis and the meaningful participation of women and their relationship to security outcomes is addressed in professional military education curriculum.

(g) BRIEFING.—Not later than one year after the date of the enactment of this Act, the Director of the Defense Security Cooperation Agency shall provide a briefing to the appropriate committees of Congress on the efforts to build partner defense institution and security force capacity pursuant to this section.

(h) REPORTS.—During the period beginning on the date of the enactment and ending on January 1, 2025, on a basis that is not less frequently than annually, the Secretary of Defense shall submit to the appropriate committees of Congress reports on the steps the Department has taken to implement the Women, Peace, and Security Act of 2017, including with respect to activities carried out under this section.
(i) DEFINITIONS.—In this section:

(1) The term “appropriate committees of Congress” means—

(A) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives; and

(B) the Committee on Armed Services and the Committee on Foreign Relations of the Senate.

(2) The term “gender analysis” has the meaning given that term in the Women’s Entrepreneurship and Economic Empowerment Act of 2018 (Public Law 115–428; 132 Stat. 5509).

SEC. 1760. DEVELOPING CRISIS CAPABILITIES TO MEET NEEDS FOR HOMELAND SECURITY-CRITICAL SUPPLIES.

(a) IN GENERAL.—The Secretary of Homeland Security shall coordinate with the Secretary of Health and Human Services, the Administrator of the Environmental Protection Agency, and the heads of other relevant Federal departments and agencies—

(1) to identify categories of homeland security-critical supplies that would be needed to address potential national emergencies or disasters, including any public health emergency, act of terrorism (as de-
fined in section 3077 of title 18, United States Code), cyber attack, and other attack;

(2) to develop plans, designs, and guidance relating to the production, in accordance with other applicable law, of the categories of homeland security-critical supplies identified pursuant to paragraph (1) to address the respective national emergencies and disasters, including such production by nontraditional manufacturers; and

(3) based on such final plans, designs, and guidance, to enter into such contingent arrangements with governmental and private entities, in accordance with other applicable law, as may be necessary to expedite the production of homeland security-critical supplies in the event of a national emergency or disaster.

(b) PROCESS.—In coordinating the development or revision of a plan, design, or guidance with respect to any homeland security-critical supply under this section:

(1) The Secretary of Homeland Security shall give each Federal department or agency with responsibility for regulating the supply an opportunity—

(A) to contribute to the development or revision of the plan, design, or guidance; and
(B) to approve or disapprove the plan, design, or guidance under regulations appropriate to approving the supply for emergency or disaster use.

(2) If a Federal department or agency with responsibility for regulating the homeland security-critical supply disapproves of the plan, design, or guidance with respect to the supply, the head of the disapproving department or agency shall provide to the Secretary of Homeland Security the rationale for the disapproval.

(3) The Secretary of Homeland Security may—

(A) if no Federal department or agency disapproves a plan, design, or guidance as described in paragraphs (1)(B) and (2), finalize the plan, design, or guidance for purposes of subsections (a)(3) and (e); and

(B) if a Federal department or agency does disapprove a plan, design, or guidance as described in paragraphs (1)(B) and (2), provide an updated plan, design, or guidance for review and approval or disapproval in accordance with paragraphs (1) and (2).

(c) PUBLIC POSTING.—The Secretary of Homeland Security shall publish each final plan, design, or guidance
that is developed under this section on a public Internet
website, except that the Secretary may withhold publica-
tion of, or redact information from the publication of, a
plan, design, or guidance if—

(1) publicly posting the information would not
be in the interest of homeland security;

(2) the information is protected from public dis-
closure by other applicable law; or

(3) the information is protected from public dis-
closure by contract.

(d) RELATION TO OTHER LAW.—Nothing in this sec-
tion shall be construed to expand, repeal, limit, or other-
wise affect the provisions of other applicable law per-
taining to the regulation of a homeland security-critical
supply.

(e) BIENNIAL REVIEW.—Not less than every two
years, in accordance with subsections (a) through (e), the
Secretary of Homeland Security shall coordinate the re-
view and, as needed, revision of each plan, design, and
guidance in effect under this section.

(f) DEFINITION.—In this section:

(1) The term “homeland security-critical sup-
ply”—

(A) means any supply needed to ensure
public safety and welfare during—
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(i) a national emergency or disaster,

including any public health emergency, act

of terrorism (as defined in section 3077 of

title 18, United States Code), cyber attack,

and other attack; or

(ii) any other reasonably foreseeable

contingency of grave consequence to the

United States during which shortages are

reasonably anticipated; and

(B) includes a vaccine, a medication, med-

ical equipment, and personal protective equip-

ment.

(2) The term “nontraditional manufacturer”

may include (as determined by the Secretary)—

(A) a home craftsperson;

(B) a distiller;

(C) a cosmetic manufacturer;

(D) a manufacturing facility primarily de-

signed for an industry other than manufac-
turing homeland security-critical supplies;

(E) an institution of higher education;

(F) an advanced manufacturing facility;

(G) a machine shop; and

(H) a research laboratory.
SEC. 1761. ESTABLISHMENT OF WESTERN EMERGENCY Refined Petroleum Products Reserve.

(a) Establishment.—The Secretary of Defense, acting through the Director of the Defense Logistics Agency, shall establish a reserve, to be known as the “Western Emergency Refined Petroleum Products Reserve” (in this section referred to as the “Reserve”), to store refined petroleum products that may be made available to military and governmental entities during an emergency situation, as determined appropriate by the Secretary of Defense.

(b) Use of Reserve.—In accordance with subsection (a), the Secretary of Defense may make refined petroleum products stored in the Reserve available to other Federal agencies, State and local governments, and any other public entity determined appropriate by the Secretary of Defense.

(c) Reimbursement.—The Secretary of Defense shall require reimbursement for associated costs for storage capacity or refined petroleum products made available to other Federal agencies, State or local governments, or any other public entity pursuant to this section.

(d) Location.—The Reserve shall—

(1) be located in the western region of the United States;

(2) utilize salt cavern storage; and
(3) be in immediate proximity to existing pipeline, rail, and highway infrastructure.

(e) CONDITION ON COMMENCEMENT.—Commencement of the program shall be subject to the availability of appropriations for the program.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

SEC. 2001. SHORT TITLE.

This division may be cited as the “Military Construction Authorization Act for Fiscal Year 2021”.

SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND AMOUNTS REQUIRED TO BE SPECIFIED BY LAW.

(a) Expiration of Authorizations After Three Years.—Except as provided in subsection (b), all authorizations contained in titles XXI through XXVII and title XXIX for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor) shall expire on the later of—

(1) October 1, 2023; or
(2) the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024.

(b) EXCEPTION.—Subsection (a) shall not apply to authorizations for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor), for which appropriated funds have been obligated before the later of—

(1) October 1, 2023; or

(2) the date of the enactment of an Act authorizing funds for military construction projects, land acquisition, family housing projects and facilities, or contributions to the North Atlantic Treaty Organization Security Investment Program.

SEC. 2003. EFFECTIVE DATE.

Titles XXI through XXVII and title XXIX shall take effect on the later of—

(1) October 1, 2020; or

(2) the date of the enactment of this Act.
TITLE XXI—ARMY MILITARY CONSTRUCTION

SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>Fort Wainwright</td>
<td>$91,500,000</td>
</tr>
<tr>
<td>Arizona</td>
<td>Yuma Proving Ground</td>
<td>$14,000,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Fort Carson</td>
<td>$28,000,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Fort Gillem</td>
<td>$71,000,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Schofield Barracks</td>
<td>$39,000,000</td>
</tr>
<tr>
<td>Louisiana</td>
<td>Fort Polk</td>
<td>$25,000,000</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>McAlester Army Ammunition Plant</td>
<td>$35,000,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Humphreys Engineer Center</td>
<td>$51,000,000</td>
</tr>
</tbody>
</table>

SEC. 2102. FAMILY HOUSING.

(a) CONSTRUCTION AND ACQUISITION.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may construct or acquire family housing units (including land acquisition...
1 and supporting facilities) at the installations, and in the
2 amounts, set forth in the following table:

**Army: Family Housing**

<table>
<thead>
<tr>
<th>State/Country</th>
<th>Installation</th>
<th>Units</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy</td>
<td>Vicenza</td>
<td>Family Housing New Construction</td>
<td>$84,100,000</td>
</tr>
<tr>
<td>Kwajalein</td>
<td>Kwajalein Atoll</td>
<td>Family Housing Replacement Construction</td>
<td>$32,000,000</td>
</tr>
</tbody>
</table>

3 (b) **PLANNING AND DESIGN.**—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $3,300,000.

**SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.**

12 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2020, for military construction, land acquisition, and military family housing functions of the Department of the Army as specified in the funding table in section 4601.

18 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.**—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost
of all projects carried out under section 2101 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2104. LIMITATION ON MILITARY CONSTRUCTION PROJECT AT KWAJALEIN ATOLL.

The Secretary of the Army may not commence the military construction project authorized by section 2101(b) at Kwajalein Atoll, as specified in the funding table in section 4601, and none of the funds authorized to be appropriated by this Act for that military construction project may be obligated or expended, until the Secretary submits to Committees on Armed Services of the House of Representatives and the Senate a design plan for the project that ensures that, upon completion of the project, the project will be resilient to 15 inches of sea level rise and periods of complete inundation and wave-overwash predicted during the 10-year period beginning on the date of the enactment of this Act.

SEC. 2105. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECT.

In the case of the authorization contained in the table in section 2102(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2689) for Camp Walker, Korea, for family housing new
construction, as specified in the funding table in section 4601 of such Act (130 Stat. 2883), the Secretary of the Army may construct an elevated walkway between two existing parking garages to connect children’s playgrounds.

**TITLE XXII—NAVY MILITARY CONSTRUCTION**

**SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

(a) **INSIDE THE UNITED STATES.**—Using amounts appropriated pursuant to the authorization of appropriations in section 2203(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>Marine Corps Air Station Yuma</td>
<td>$99,600,000</td>
</tr>
<tr>
<td>California</td>
<td>Marine Corps Base Camp Pendleton</td>
<td>$68,530,000</td>
</tr>
<tr>
<td></td>
<td>Naval Air Station Lemoore</td>
<td>$187,220,000</td>
</tr>
<tr>
<td></td>
<td>Naval Base San Diego</td>
<td>$128,500,000</td>
</tr>
<tr>
<td></td>
<td>Marine Corps Air Ground Combat Center</td>
<td>$76,500,000</td>
</tr>
<tr>
<td></td>
<td>Twentynine Palms</td>
<td>$76,500,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Andersen Air Force Base</td>
<td>$21,280,000</td>
</tr>
<tr>
<td></td>
<td>Joint Region Marianas</td>
<td>$546,550,000</td>
</tr>
<tr>
<td>Hawaii</td>
<td>Joint Base Pearl Harbor-Hickam</td>
<td>$114,900,000</td>
</tr>
<tr>
<td>Maine</td>
<td>Portsmouth Naval Shipyard</td>
<td>$715,000,000</td>
</tr>
<tr>
<td>Nevada</td>
<td>Fallon Range Training Complex</td>
<td>$29,040,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Naval Station Norfolk</td>
<td>$30,400,000</td>
</tr>
</tbody>
</table>

(b) **OUTSIDE THE UNITED STATES.**—Using amounts appropriated pursuant to the authorization of appropria-
tions in section 2203(a) and available for military con-
struction projects outside the United States as specified
in the funding table in section 4601, the Secretary of the
Navy may acquire real property and carry out military
construction projects for the installations or locations out-
side the United States, and in the amounts, set forth in
the following table:

Navy: Outside the United States

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahrain</td>
<td>Naval Support Activity Bahrain</td>
<td>$68,340,000</td>
</tr>
<tr>
<td>Greece</td>
<td>Naval Support Activity Souda Bay</td>
<td>$50,180,000</td>
</tr>
<tr>
<td>Spain</td>
<td>Naval Station Rota</td>
<td>$60,110,000</td>
</tr>
</tbody>
</table>

SEC. 2202. FAMILY HOUSING AND IMPROVEMENTS TO MILI-
TARY FAMILY HOUSING UNITS.

(a) FAMILY HOUSING.—Using amounts appropriated
pursuant to the authorization of appropriations in section
2203(a) and available for military family housing func-
tions as specified in the funding table in section 4601, the
Secretary of the Navy may carry out architectural and en-
gineering services and construction design activities with
respect to the construction or improvement of family hous-
ing units in an amount not to exceed $5,854,000.

(b) IMPROVEMENTS TO MILITARY FAMILY HOUSING
UNITS.—Subject to section 2825 of title 10, United States
Code, and using amounts appropriated pursuant to the
authorization of appropriations in section 2203(a) and
available for military family housing functions as specified
in the funding table in section 4601, the Secretary of the Navy may improve existing military family housing units in an amount not to exceed $37,043,000.

SEC. 2203. AUTHORIZATION OF APPROPRIATIONS, NAVY.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2020, for military construction, land acquisition, and military family housing functions of the Department of the Navy, as specified in the funding table in section 4601.

(b) Limitation on Total Cost of Construction Projects.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2201 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

TITLE XXIII—AIR FORCE
MILITARY CONSTRUCTION

SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) Inside the United States.—Using amounts appropriated pursuant to the authorization of appropriations in section 2303(a) and available for military con-
struction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

**Air Force: Inside the United States**

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>Edwards Air Force Base</td>
<td>$40,000,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$56,000,000</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Joint Base McGuire-Dix-Lakehurst</td>
<td>$22,000,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Joint Base San Antonio</td>
<td>$19,500,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Joint Base Langley-Eustis</td>
<td>$19,500,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2303(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installation or location outside the United States, and in the amount, set forth in the following table:

**Air Force: Outside the United States**

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qatar</td>
<td>Al Udeid</td>
<td>$26,000,000</td>
</tr>
</tbody>
</table>
SEC. 2302. FAMILY HOUSING AND IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

(a) FAMILY HOUSING.—Using amounts appropriated pursuant to the authorization of appropriations in section 2303(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $2,969,000.

(b) IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.—Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2303(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed $94,245,000.

SEC. 2303. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2020, for military construction, land acquisition, and military family housing functions of the Department of the Air Force, as specified in the funding table in section 4601.
(b) LIMITATION ON TOTAL COST OF CONSTRUCTION
PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2301 may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2304. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.

(a) MODIFICATION OF PROJECT AUTHORITY.—In the case of the authorization contained in the table in section 2301(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1826) for Royal Air Force Lakenheath, United Kingdom, for construction of a 2,384 square-meter Consolidated Corrosion Control Facility, as specified in the funding table in section 4601 of such Act (131 Stat. 2004), the Secretary of the Air Force may construct a 2,700 square-meter Consolidated Corrosion Control and Wash Rack Facility.

(b) MODIFICATION OF PROJECT AMOUNTS.—

(1) DIVISION B TABLE.—The authorization table in section 2301(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1826) is amended in the item re-
lating to Royal Air Force Lakenheath, United King-
dom, by striking “$136,992,000” and inserting
“$172,292,000” to reflect the project modification
made by subsection (a).

(2) DIVISION D TABLE.—The funding table in
section 4601 of the National Defense Authorization
Act for Fiscal Year 2018 (Public Law 115–91; 131
Stat. 2004) is amended in the item relating to Royal
Air Force Lakenheath, Consolidated Corrosion Con-
trol Facility, by striking “$20,000” in the Con-
ference Authorized column and inserting “$55,300”
to reflect the project modification made by sub-
section (a).

SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT
CERTAIN FISCAL YEAR 2019 PROJECTS.

(a) EIELSON AIR FORCE BASE, ALASKA.—In the
case of the authorization contained in the table in section
2301(a) of the National Defense Authorization Act for
Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2246)
for Eielson Air Force Base, Alaska, for construction of
a F-35 CATM Range, as specified in the funding table
in section 4601 of such Act (132 Stat. 2404), the Sec-
retary of the Air Force may construct a 426 square-meter
outdoor range with covered and heated firing lines.

(b) BARKSDALE AIR FORCE BASE, LOUISIANA.—
(1) MODIFICATION OF PROJECT AUTHORITY.—

In the case of the authorization contained in table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2246) for Barksdale Air Force Base, Louisiana, for construction of an Entrance Road and Gate Complex the Secretary of the Air Force may construct a 190 square meter visitor control center, 44 square meter gate house, 124 square meter privately owned vehicle inspection facility, 338 square meter truck inspection facility and a 45 square meter gatehouse.

(2) PROJECT CONDITIONS.—The military construction project referred to in paragraph (1) shall be carried out consistent with the Unified Facilities Criteria relating to Entry Control Facilities and applicable construction guidelines of the Department of the Air Force. Construction in a flood plain is authorized, subject to the condition that the Secretary of the Air Force include appropriate mitigation measures.

(3) MODIFICATION OF PROJECT AMOUNTS.—

(A) DIVISION B TABLE.—The authorization table in section 2301(a) of the National Defense Authorization Act for Fiscal Year 2019
amended in the item relating to Barksdale Air
Force Base, Louisiana, by striking
“$12,250,000” and inserting “$48,000,000” to
reflect the project modification made by para-
graph (1).

(B) DIVISION D TABLE.—The funding
table in section 4601 of the National Defense
Authorization Act for Fiscal Year 2019 (Public
Law 115–232; 132 Stat. 2404) is amended in
the item relating to Barksdale Air Force Base,
Louisiana, by striking “$12,250” in the Con-
ference Authorized column and inserting
“$48,000” to reflect the project modification
made by paragraph (1).

(c) ROYAL AIR FORCE LAKENHEATH, UNITED KING-
DOM.—In the case of the authorization contained in the
table in section 2301(b) of the National Defense Author-
ization Act for Fiscal Year 2019 (Public Law 115–232;
132 Stat. 2247) for Royal Air Force Lakenheath, United
Kingdom, for construction of a 485 square-meter F-35A
ADAL Conventional Munitions MX, as specified in the
funding table of section 4601 of such Act (132 Stat.
2405), the Secretary of the Air Force may construct a
1,206 square-meter maintenance facility for such purpose.
(d) FORCE PROTECTION AND SAFETY.—The funding table in section 4601 of the National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2406) is amended in the item relating to Force Protection and Safety under Military Construction, Air Force, by striking “$35,000” in the Conference Authorized column and inserting “$50,000” to reflect amounts appropriated for such purpose.

SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2020 PROJECTS.

(a) TYNDALL AIR FORCE BASE, FLORIDA.—In the case of the authorizations contained in the table in section 2912(a) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1913) for Tyndall Air Force Base, Florida—

(1) for construction of an Auxiliary Ground Equipment Facility, as specified in the funding table in section 4603 of such Act (133 Stat. 2103), the Secretary of the Air Force may construct up to 4,770 square meters of aircraft support equipment storage;

(2) for construction of Dorm Complex Phase 1, as specified in such funding table, the Secretary of the Air Force may construct up to 18,770 square meters of visiting quarters;
(3) for construction of Lodging Facilities Phase 1, as specified in such funding table, the Secretary of the Air Force may construct up to 12,471 meters of visiting quarters.

(4) for construction of an Operations Group/Maintenance Group HQ at the installation, as specified in such funding table, the Secretary of the Air Force may construct up to 3,420 square meters of headquarters;

(5) for construction of Ops/Aircraft Maintenance Unit/Hangar number 2 and Ops/Aircraft Maintenance Unit/Hangar number 3, as specified in such funding table, the Secretary of the Air Force may construct 2,127 square meters of squadron operations and 2,875 square meters of aircraft maintenance unit for each project;

(6) for construction of a Security Forces Mobility Storage Facility, as specified in such funding table, the Secretary of the Air Force may construct up to 930 square meters of equipment storage; and

(7) for construction of Site Development, Utilities, and Demolition Phase 2, as specified in such funding table, the Secretary of the Air Force may construct up to 7,000 meters of storm water piping,
box culverts, underground detention, and grading for surface detention.

(b) Offutt Air Force Base, Nebraska.—In the case of the authorizations contained in the table in section 2912(a) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1913) for Offutt Air Force Base, Nebraska—

(1) for construction of an Emergency Power Microgrid, as specified in the funding table in section 4603 of such Act (133 Stat. 2104), the Secretary of the Air Force may construct seven 2.5-megawatt diesel engine generators, seven diesel exhaust fluid systems, 15-kV switchgear, two import/export inter-ties, five import-only inter-ties, and 800 square meters of switchgear facility;

(2) for construction of a Flightline Hangars Campus, as specified in such funding table, the Secretary of the Air Force may construct 445 square meter of petroleum operations center, 268 square meters of de-icing liquid storage, and 173 square meters of warehouse; and

(3) for construction of a Lake Campus, as specified in such funding table, the Secretary of the Air Force may construct 240 square meters of recreation complex and 270 square meters of storage;
(4) for construction of a Logistics Readiness Squadron Campus, as specified in such funding table, the Secretary of the Air Force may construct 2,536 square meters of warehouse; and

(5) for construction of a Security Campus, as specified in such funding table, the Secretary of the Air Force may construct 4,218 square meters of operations center and 1,343 square meters of military working dog kennel.

(c) JOINT BASE LANGLEY-EUSTIS, VIRGINIA.—In the case of the authorization contained in the table in section 2912(a) of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1913) for Joint Base Langley-Eustis, Virginia, for construction of a Dormitory at the installation, as specified in the funding table in section 4603 of such Act (133 Stat. 2104), the Secretary of the Air Force may construct up to 6,720 square meters of dormitory.

SEC. 2307. TECHNICAL CORRECTIONS RELATED TO AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2020 FAMILY HOUSING PROJECTS.

(a) AUTHORIZATION OF OMITTED SPANGDAHLEM AIR BASE FAMILY HOUSING PROJECT.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) of the National Defense Author-
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1. Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133
2. Stat. 1869) and available for military family housing func-
3. tions, the Secretary of the Air Force may carry out the
4. military family housing project at Spangdahlem Air Base,
5. Germany, as specified in the funding table in section 4601
6. of such Act (133 Stat. 2099).
7. (b) Correction of Amount Authorized for
8. Family Housing Improvements.—Section 2303 of the
10. (Public Law 116–92; 133 Stat. 1869) is amended by strik-
11. ing “$53,584,000” and inserting “$46,638,000” to reflect
12. the amount specified in the funding table in section 4601
13. of such Act (133 Stat. 2099) for Construction Improve-
14. ments under Family Housing Construction, Air Force.

TITLE XXIV—DEFENSE AGEN-
CIES MILITARY CONSTRUC-
TION

SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUC-
TION AND LAND ACQUISITION PROJECTS.

(a) Inside the United States.—Using amounts
appropriated pursuant to the authorization of appropria-
tions in section 2403(a) and available for military con-
struction projects inside the United States as specified in
the funding table in section 4601, the Secretary of De-
defense may acquire real property and carry out military
construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

**Defense Agencies: Inside the United States**

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Anniston Army Depot</td>
<td>$18,000,000</td>
</tr>
<tr>
<td>Alaska</td>
<td>Fort Greely</td>
<td>$48,000,000</td>
</tr>
<tr>
<td>Arizona</td>
<td>Marine Corps Air Station Yuma</td>
<td>$49,500,000</td>
</tr>
<tr>
<td>California</td>
<td>Beale Air Force Base</td>
<td>$22,800,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Fort Carson</td>
<td>$15,600,000</td>
</tr>
<tr>
<td>CONUS Unspecified</td>
<td>CONUS Unspecified</td>
<td>$14,400,000</td>
</tr>
<tr>
<td>Florida</td>
<td>Hurlburt Field</td>
<td>$83,120,000</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Fort Knox</td>
<td>$69,310,000</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Kirtland Air Force Base</td>
<td>$46,600,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Fort Bragg</td>
<td>$113,800,000</td>
</tr>
<tr>
<td>Ohio</td>
<td>Wright-Patterson Air Force Base</td>
<td>$23,500,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Fort Hood</td>
<td>$32,700,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Joint Expeditionary Base Little Creek-Story</td>
<td>$112,500,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Joint Base Lewis-McChord</td>
<td>$21,800,000</td>
</tr>
<tr>
<td>Washington</td>
<td>Navy Fuel Depot Manchester</td>
<td>$82,000,000</td>
</tr>
</tbody>
</table>

(b) **OUTSIDE THE UNITED STATES.—** Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installation or location outside the United States, and in the amount, set forth in the following table:

**Defense Agencies: Outside the United States**

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>Defense Fuel Support Point Tsurumi</td>
<td>$49,500,000</td>
</tr>
</tbody>
</table>
SEC. 2402. AUTHORIZED ENERGY RESILIENCE AND CONSERVATION INVESTMENT PROGRAM PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for energy conservation projects as specified in the funding table in section 4601, the Secretary of Defense may carry out energy conservation projects under chapter 173 of title 10, United States Code, for the installations or locations inside the United States, and in the amounts, set forth in the following table:

**ERCIP Projects: Inside the United States**

<table>
<thead>
<tr>
<th>State</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Fort Rucker ..................................................</td>
<td>$24,000,000</td>
</tr>
<tr>
<td>Arkansas</td>
<td>Ebbing Air National Guard Base ........................</td>
<td>$2,600,000</td>
</tr>
<tr>
<td>California</td>
<td>Marine Corps Air Ground Combat Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Twentynine Palms ...........................................</td>
<td>$11,646,000</td>
</tr>
<tr>
<td></td>
<td>Military Ocean Terminal Concord .....................</td>
<td>$29,000,000</td>
</tr>
<tr>
<td></td>
<td>Naval Support Activity Monterey .....................</td>
<td>$10,540,000</td>
</tr>
<tr>
<td></td>
<td>Naval Air Weapons Station China Lake ...............</td>
<td>$8,950,000</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>Joint Base Anacostia-Bolling .........................</td>
<td>$44,313,000</td>
</tr>
<tr>
<td>Georgia</td>
<td>Fort Benning ...............................................</td>
<td>$17,000,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>Naval Support Activity Bethesda .....................</td>
<td>$13,840,000</td>
</tr>
<tr>
<td></td>
<td>Naval Support Activity South Potomac ...............</td>
<td>$18,460,000</td>
</tr>
<tr>
<td>Missouri</td>
<td>Whiteman Air Force Base ................................</td>
<td>$17,310,000</td>
</tr>
<tr>
<td>Nevada</td>
<td>Creech Air Force Base ....................................</td>
<td>$32,000,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Fort Bragg ..................................................</td>
<td>$6,100,000</td>
</tr>
<tr>
<td>Ohio</td>
<td>Wright-Patterson Air Force Base .....................</td>
<td>$35,000,000</td>
</tr>
<tr>
<td>Tennessee</td>
<td>Memphis Air National Guard Base .....................</td>
<td>$4,780,000</td>
</tr>
<tr>
<td>Virginia</td>
<td>Naval Medical Center Portsmouth ....................</td>
<td>$611,000</td>
</tr>
<tr>
<td></td>
<td>Surface Combat Systems Center Wallops Island ......</td>
<td>$9,100,000</td>
</tr>
</tbody>
</table>

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for energy conservation projects as specified in the funding table in section
1136

4601, the Secretary of Defense may carry out energy con-

servation projects under chapter 173 of title 10, United

States Code, for the installation or location outside the

United States, and in the amount, set forth in the fol-

lowing table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Installation or Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy</td>
<td>Naval Support Activity Naples</td>
<td>$3,490,000</td>
</tr>
</tbody>
</table>

SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DEF-

FENSE AGENCIES.

(a) Authorization of Appropriations.—Funds

are hereby authorized to be appropriated for fiscal years

beginning after September 30, 2020, for military con-

struction, land acquisition, and military family housing

functions of the Department of Defense (other than the

military departments), as specified in the funding table

in section 4601.

(b) Limitation on Total Cost of Construction

Projects.—Notwithstanding the cost variations author-

ized by section 2853 of title 10, United States Code, and

any other cost variation authorized by law, the total cost

of all projects carried out under section 2401 of this Act

may not exceed the total amount authorized to be appro-

priated under subsection (a), as specified in the funding

table in section 4601.
SEC. 2404. MILITARY CONSTRUCTION INFRASTRUCTURE AND WEAPON SYSTEM SYNCHRONIZATION FOR GROUND BASED STRATEGIC DETERRENT.

(a) AUTHORIZATION FOR PLANNING AND DESIGN.—Of the amounts authorized to be appropriated for research, development, test, and evaluation, Air Force, for fiscal year 2021, for the Ground Based Strategic Deterrent, as specified in the funding table in section 4201, the Secretary of the Air Force may use not more than $15,000,000 for the purpose of obtaining or carrying out necessary planning and construction design in connection with military construction projects and other infrastructure projects necessary to support the development and fielding of the Ground Based Strategic Deterrent weapon system.

(b) AIR FORCE PROJECT MANAGEMENT AND SUPERVISION.—Each contract entered into by the United States for a military construction project or other infrastructure project in connection with the development and fielding of the Ground Based Strategic Deterrence weapon system shall be carried out under the direction and supervision of the Secretary of the Air Force. The Secretary may utilize and consult with the Air Force Civil Engineer Center, the Army Corps of Engineers, and the Naval Facilities Engineering Command for subject matter expertise, con-
tracting capacity, and other support as determined to be necessary by the Secretary to carry out this section.

(c) USE OF SINGLE PRIME CONTRACTOR.—The Secretary of the Air Force may award contracts for planning and construction design and for military construction projects and other infrastructure projects authorized by law in connection with the development and fielding of the Ground Based Strategic Deterrent weapon system to a single prime contractor if the Secretary determines that awarding the contracts to a single prime contractor—

(1) is in the best interest of the Government;

and

(2) is necessary to ensure the proper synchronization and execution of work related to the development and fielding of the Ground Based Strategic Deterrent weapon system and its associated military construction projects and other infrastructure projects.

(d) EXCEPTIONS TO CURRENT LAW.—The Secretary of the Air Force may carry out this section without regard to the following provisions of law:

(1) Section 2304 of title 10, United States Code.

(2) Section 2807(a) of such title.

(3) Section 2851(a) of such title.
(e) Expiration of Authority.—The authorities provided by this section shall expire upon the earlier of the following:

(1) The date that is 15 years after the date of the enactment of this Act.

(2) The date on which the Secretary of the Air Force submits to the congressional defense committees a certification that the fielding of the Ground Based Strategic Deterrent weapon system is complete.

(f) Report Required.—Not later than one year after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report describing the plans to synchronize the development and fielding of the Ground Based Strategic Deterrent weapon system and its associated military construction projects and other infrastructure projects. The report shall contain, at minimum, the following elements:

(1) A description of the estimated total cost, scope of work, location, and schedule for the planning and design, military construction, and other infrastructure investments necessary to support the development and fielding of the Ground Based Strategic Deterrent weapon system.
(2) A recommendation regarding the methods by which a programmatic military construction authorization, authorization of appropriations, and appropriation, on an installation-by-installation basis, could be used to support the synchronized development and fielding of the Ground Based Strategic Deterrent and its associated military construction projects and other infrastructure projects.

(3) Identification of the specific provisions of law, if any, that the Secretary determines may adversely impact or delay the development and fielding of the Ground Based Strategic Deterrent weapon system and its associated construction projects, assuming, as described in paragraph (2), the use of a programmatic military construction authorization on an installation-by-installation basis.

(4) A plan to ensure sufficient capability and capacity to cover civilian and military Manning for oversight and contract management related to the development and fielding of the Ground Based Strategic Deterrent weapon system and its associated construction projects.
TITLE XXV—INTERNATIONAL PROGRAMS

Subtitle A—North Atlantic Treaty Organization Security Investment Program

SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may make contributions for the North Atlantic Treaty Organization Security Investment Program as provided in section 2806 of title 10, United States Code, in an amount not to exceed the sum of the amount authorized to be appropriated for this purpose in section 2502 and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.

SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.

(a) AUTHORIZATION.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2020, for contributions by the Secretary of Defense under section 2806 of title 10, United States Code, for the share of the United States of the cost of projects for the North Atlantic Treaty Organization Security Investment Program authorized by section 2501 as specified in the funding table in section 4601.
(b) Authority to Carry Out Project and 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 carry out the project and 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**

<table>
<thead>
<tr>
<th>Component</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td>Camp Carroll</td>
<td>Site Development</td>
<td>$49,000,000</td>
</tr>
<tr>
<td>Army</td>
<td>Camp Humphreys</td>
<td>Attack Reconnaissance Battalion</td>
<td>$99,000,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hangar</td>
<td></td>
</tr>
<tr>
<td>Army</td>
<td>Camp Humphreys</td>
<td>Hot Refuel Point</td>
<td>$35,000,000</td>
</tr>
<tr>
<td>Navy</td>
<td>COMROKFLT Naval Base, Busan</td>
<td>Maritime Operations Center</td>
<td>$26,000,000</td>
</tr>
<tr>
<td>Air Force</td>
<td>Daegu Air Base</td>
<td>ΔGE Facility and Parking Apron</td>
<td>$14,000,000</td>
</tr>
<tr>
<td>Air Force</td>
<td>Kunsan Air Base</td>
<td>Backup Generator Plant</td>
<td>$19,000,000</td>
</tr>
</tbody>
</table>
Republic of Korea Funded Construction Projects—Continued

<table>
<thead>
<tr>
<th>Component</th>
<th>Installation or Location</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Force ...</td>
<td>Osan Air Base ...</td>
<td>Aircraft Corrosion Control Facility (Phase 3)</td>
<td>$12,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td>Osan Air Base ...</td>
<td>Child Development Center</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td>Osan Air Base ...</td>
<td>Munitions Storage Area Delta (Phase 1)</td>
<td>$84,000,000</td>
</tr>
<tr>
<td>Defense-Wide</td>
<td>Camp Humphreys ....</td>
<td>Elementary School</td>
<td>$58,000,000</td>
</tr>
</tbody>
</table>

1 SEC. 2512. STATE OF QATAR FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the State of Qatar for required in-kind contributions, the Secretary of Defense may accept military construction projects for Al Udeid Air Base in the State of Qatar, and in the amounts, set forth in the following table:

State of Qatar Funded Construction Projects

<table>
<thead>
<tr>
<th>Component</th>
<th>Installation</th>
<th>Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Force ...</td>
<td>Al Udeid .....</td>
<td>Billet (A12)</td>
<td>$63,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (B12)</td>
<td>$63,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (D10)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (009)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (007)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Armory/Mount</td>
<td>$7,200,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (A07)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Dining Facility</td>
<td>$14,600,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (BOS)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (B04)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (A04)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Billet (A08)</td>
<td>$77,000,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>Dining Facility</td>
<td>$14,600,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>MSG (Base Operations Support Facility)</td>
<td>$9,300,000</td>
</tr>
<tr>
<td>Air Force ...</td>
<td></td>
<td>ITN (Communications Facility)</td>
<td>$3,500,000</td>
</tr>
</tbody>
</table>
TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army National Guard locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>National Guard Armory Tucson</td>
<td>$18,100,000</td>
</tr>
<tr>
<td>Colorado</td>
<td>Peterson Air Force Base</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Indiana</td>
<td>Army Aviation Support Facility Shelbyville</td>
<td>$12,000,000</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Boone National Guard Center Frankfort</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Mississippi</td>
<td>National Guard Armory Brandon</td>
<td>$10,400,000</td>
</tr>
<tr>
<td>Nebraska</td>
<td>National Guard Armory North Platte</td>
<td>$9,300,000</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Joint Base McGuire-Dix-Lakehurst</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Ohio</td>
<td>Beightler Armory Columbus</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Oregon</td>
<td>Hermiston National Guard Armory</td>
<td>$25,035,000</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>Fort Allen</td>
<td>$37,000,000</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Joint Base Charleston</td>
<td>$15,000,000</td>
</tr>
<tr>
<td>Tennessee</td>
<td>National Guard Armory McMinnville</td>
<td>$11,200,000</td>
</tr>
<tr>
<td>Texas</td>
<td>National Guard Readiness Center Fort Worth</td>
<td>$13,800,000</td>
</tr>
<tr>
<td>Utah</td>
<td>National Guard Armory Nephi</td>
<td>$12,000,000</td>
</tr>
<tr>
<td>Virgin Islands</td>
<td>LTC Lionel A. Jackson Armory St. Croix</td>
<td>$39,400,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>National Guard Armory Appleton</td>
<td>$11,600,000</td>
</tr>
</tbody>
</table>

SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for
the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army Reserve locations inside the United States, and in the amounts, set forth in the following table:

**Army Reserve**

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida</td>
<td>Reserve Center Gainesville</td>
<td>$36,000,000</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>Deven's Reserve Forces Training Area</td>
<td>$8,700,000</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Reserve Center Asheville</td>
<td>$24,000,000</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Fort McCoy</td>
<td>$14,600,000</td>
</tr>
</tbody>
</table>

SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE CORPS RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out the military construction projects for the Navy Reserve and Marine Corps Reserve locations inside the United States, and in the amounts, set forth in the following table:

**Navy Reserve and Marine Corps Reserve**

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maryland</td>
<td>Reserve Training Center, Camp Fretterd</td>
<td>$39,500,000</td>
</tr>
<tr>
<td></td>
<td>Reisterstown</td>
<td></td>
</tr>
<tr>
<td>Utah</td>
<td>Hill Air Force Base</td>
<td>$25,010,000</td>
</tr>
</tbody>
</table>
SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air National Guard locations inside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>Montgomery Regional Airport Air National Guard Base</td>
<td>$11,600,000</td>
</tr>
<tr>
<td>Guam</td>
<td>Joint Region Marianas</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Maryland</td>
<td>Joint Base Andrews</td>
<td>$9,400,000</td>
</tr>
<tr>
<td>Texas</td>
<td>Joint Base San Antonio</td>
<td>$10,800,000</td>
</tr>
</tbody>
</table>

SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air Force Reserve location inside the United States, and in the amount, set forth in the following table:
Air Force Reserve

<table>
<thead>
<tr>
<th>State</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas</td>
<td>Naval Air Station Joint Reserve Base</td>
<td>$14,200,000</td>
</tr>
<tr>
<td></td>
<td>Fort Worth</td>
<td></td>
</tr>
</tbody>
</table>

SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NA- TIONAL GUARD AND RESERVE.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2020, for the costs of acquisition, architectural and engineering services, and construction of facilities for the Guard and Reserve Forces, and for contributions therefor, under chapter 1803 of title 10, United States Code (including the cost of acquisition of land for those facilities), as specified in the funding table in section 4601.

SEC. 2607. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2020 PROJECT.

In the case of the authorization contained in the table in section 2601 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat. 1875) for Anniston Army Depot, Alabama, for construction of an Enlisted Transient Barracks, as specified in the funding table in section 4601 of such Act (133 Stat. 2096), the Secretary of the Army may carry out the project at Fort McClellan, Alabama.
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.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2020, for base realignment and closure activities, including real property acquisition and military construction projects, as authorized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note) and funded through the Department of Defense Base Closure Account established by section 2906 of such Act (as amended by section 2711 of the Military Construction Authorization Act for Fiscal Year 2013 (division B of Public Law 112–239; 126 Stat. 2140)), as specified in the funding table in section 4601.
TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

Subtitle A—Military Construction Program Changes

SEC. 2801. MODIFICATION AND CLARIFICATION OF CONSTRUCTION AUTHORITY IN THE EVENT OF A DECLARATION OF WAR OR NATIONAL EMERGENCY.

(a) LIMITATION ON AMOUNT OF FUNDS AVAILABLE FOR NATIONAL EMERGENCY.—Section 2808 of title 10, United States Code, is amended—

(1) by redesignating subsections (b) and (c) as subsections (e) and (f), respectively; and

(2) by inserting after subsection (a) the following new subsection:

“(c) LIMITATION ON AMOUNT OF FUNDS AVAILABLE FOR NATIONAL EMERGENCY.—(1) Except as provided in paragraph (2), in the event of a declaration by the President of a national emergency in which the construction authority described in subsection (a) is used, the total cost of all military construction projects undertaken using that authority during the national emergency may not exceed $500,000,000.

(2) LIMITATION ON AMOUNT OF FUNDS AVAILABLE FOR NATIONAL EMERGENCY.—(1) Except as provided in paragraph (2), in the event of a declaration by the President of a national emergency in which the construction authority described in subsection (a) is used, the total cost of all military construction projects undertaken using that authority during the national emergency may not exceed $500,000,000.
“(2) In the event of a national emergency declaration
in which the construction authority described in subsection
(a) will be used only within the United States, the total
cost of all military construction projects undertaken using
that authority during the national emergency may not ex-
ceed $100,000,000.”.

(b) ADDITIONAL CONDITIONS ON SOURCE OF
FUNDS.—Section 2808(a) of title 10, United States Code,
is amended by striking the second sentence and inserting
the following new subsection:

“(b) CONDITIONS ON SOURCES OF FUNDS.—A mili-
tary construction project to be undertaken using the con-
struction authority described in subsection (a) may be un-
dertaken only within the total amount of funds that have
been appropriated for military construction, including
funds appropriated for family housing, that—

“(1) remain unobligated as of the date on
which the first contract would be entered into in
connection with that military construction project
undertaken using such authority; and

“(2) are available because the military construc-
tion project for which the funds were appropriated—

“(A) has been canceled; or

“(B) has reduced costs as a result of
project modifications or other cost savings.”.
(c) Waiver of Other Provisions of Law.—Section 2808 of title 10, United States Code, is amended by inserting after subsection (c), as added by subsection (a), the following new subsection:

“(d) Waiver of Other Provisions of Law in Event of National Emergency.—In the event of a declaration by the President of a national emergency in which the construction authority described in subsection (a) is used, the authority provided by such subsection to waive or disregard another provision of law that would otherwise apply to a military construction project authorized by this section may be used only if—

“(1) such other provision of law does not provide a means by which compliance with the requirements of the law may be waived, modified, or expedited; and

“(2) the Secretary of Defense determines that the nature of the national emergency necessitates the noncompliance with the requirements of the law.”.

(d) Additional Notification Requirements.—Subsection (e) of section 2808 of title 10, United States Code, as redesignated by subsection (a)(1), is amended—
(1) by striking “of the decision” and all that follows through the end of the subsection and insert-
ing the following: “of the following:

“(A) The reasons for the decision to use the construction authority described in subsection (a), including, in the event of a declaration by the President of a national emergency, the reasons why use of the armed forces is required in response to the declared national emergency.

“(B) The construction projects to be under-
taken using the construction authority described in subsection (a), including, in the event of a declara-
tion by the President of a national emergency, an explanation of how each construction project directly supports the immediate security, logistical, or short-
term housing and ancillary supporting facility needs of the members of the armed forces used in the na-
tional emergency.

“(C) The estimated cost of the construction projects to be undertaken using the construction au-
thority described in subsection (a), including the cost of any real estate action pertaining to the con-
struction projects, and certification of compliance with the funding conditions imposed by subsections (b) and (c).
“(D) Any determination made pursuant to subsection (d)(2) to waive or disregard another provision of law to undertake any construction project using the construction authority described in subsection (a).

“(E) The military construction projects, including any military family housing and ancillary supporting facility projects, whose cancellation, modification, or other cost savings result in funds being available to undertake construction projects using the construction authority described in subsection (a) and the possible impact of the cancellation or modification of such military construction projects on military readiness and the quality of life of members of the armed forces and their dependents.”; and

(2) by adding at the end the following new paragraph:

“(2) In the event of a declaration by the President of a national emergency in which the construction authority described in subsection (a) is used, a construction project to be undertaken using such construction authority may be carried out only after the end of the five-day period beginning on the date the notification required by paragraph (1) is received by the appropriate committees of Congress.”.
(e) Clerical Amendments.—Section 2808 of title 10, United States Code, is further amended—

(1) in subsection (a), by inserting “Construction Authorized.—” after “(a)”;

(2) in subsection (e), as redesignated by subsection (a)(1), by inserting “Notification Requirement.—(1)” after “(e)”;

(3) in subsection (f), as redesignated by subsection (a)(1), by inserting “Termination of Authority.—” after “(f)”.

(f) Exception for Pandemic Mitigation and Response Projects.—Subsections (b), (c), (d) of section 2808 of title 10, United States Code, as added by this section, shall not apply to a military construction project commenced under the authority of subsection (a) of such section 2808 during the emergency period described in section 1135(g)(1)(B) of the Social Security Act (42 U.S.C. 1320b–5(g)(1)(B)) if the Secretary of Defense determines that the military construction project will directly support pandemic mitigation and response efforts of health care providers or support members of the Armed Forces directly participating in such pandemic mitigation and response efforts. Subsection (e) of section 2808 of title 10, United States Code, as redesignated by subsection
(a) (1) and amended by subsection (d) of this section, shall still apply to any such military construction project.

SEC. 2802. EXTENSION OF SUNSET FOR ANNUAL LOCALITY ADJUSTMENT OF DOLLAR THRESHOLDS APPLICABLE TO UNSPECIFIED MINOR MILITARY CONSTRUCTION AUTHORITIES.

Section 2805(f)(3) of title 10, United States Code, is amended by striking “2022” and inserting “2027”.

SEC. 2803. MODIFICATION OF REPORTING REQUIREMENT REGARDING COST INCREASES ASSOCIATED WITH CERTAIN MILITARY CONSTRUCTION PROJECTS AND MILITARY FAMILY HOUSING PROJECTS.

(a) Elimination of Submission to Comptroller General.—Section 2853(f) of title 10, United States Code, is amended—

(1) in paragraphs (1) and (3), by striking “and the Comptroller General of the United States”; and

(2) by striking paragraph (6).

(b) Synchronization of Notification Requirements.—Section 2853(e)(1) of title 10, United States Code, is amended by inserting after “cost increase” in the matter preceding subparagraph (A) the following: “(subject to subsection (f))”.

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SEC. 2804. EXPANSION OF DEPARTMENT OF DEFENSE LAND EXCHANGE AUTHORITY.

(a) ADDITIONAL PURPOSES AUTHORIZED.—Paragraph (1) of section 2869(a) of title 10, United States Code, is amended by striking “the real property, to transfer” and all that follows through the end of the paragraph and inserting the following: “the real property—

“(A) to transfer to the United States all right, title, and interest of the person in and to a parcel of real property, including any improvements thereon under the person’s control;

“(B) to carry out a land acquisition, including the acquisition of all right, title, and interest or a lesser interest in real property under an agreement entered into under section 2684a of this title to limit encroachments and other constraints on military training, testing, and operations; or

“(C) to provide installation-support services (as defined in 2679(e) of this title), a replacement facility, or improvements to an existing facility, as agreed upon between the Secretary concerned and the person.”.

(b) REQUIREMENTS FOR ACCEPTANCE OF REPLACEMENT FACILITIES.—Section 2869(a) of title 10, United States Code, is further amended by adding at the end the following new paragraph:
“(3) The Secretary concerned may agree to accept a replacement facility or improvements to an existing facility under paragraph (1)(C) only if the Secretary concerned determines that the replacement facility or improvements—

“(A) are completed and usable, fully functional, and ready for occupancy;

“(B) satisfy all operational requirements; and

“(C) meet all Federal, State, and local requirements applicable to the facility relating to health, safety, and the environment.”.

(c) Fair Market Value Requirement.—Section 2869(b)(1) of title 10, United States Code, is amended—

(1) in the first sentence, by striking “of the land to be” and inserting “of the real property, installation-support services, replacement facility, or improvements to an existing facility”; and

(2) in the second sentence, by striking “of the land is less than the fair market value of the real property to be conveyed” and inserting “of the real property conveyed by the Secretary concerned exceeds the fair market value of the real property, installation-support services, replacement facility, or improvements received by the Secretary”.

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(d) RELATION TO OTHER MILITARY CONSTRUCTION

REQUIREMENTS.—Section 2869 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(h) RELATION TO OTHER MILITARY CONSTRUCTION

REQUIREMENTS.—The acquisition of real property or an interest therein, a replacement facility, or improvements to an existing facility using the authority provided by this section shall not be treated as a military construction project for which an authorization is required by section 2802 of this title.”.

(e) DELAYED IMPLEMENTATION OF AMENDMENTS.—The amendments made by this section shall take effect on the date of the enactment of this Act, but the Secretary concerned (as defined in section 2801(c)(5) of title 10, United States Code) may not enter into any real estate transaction authorized by such amendments until after the date on which the Secretary of Defense issues final regulations providing for the implementation of such amendments by the Department of Defense.
SEC. 2805. CONGRESSIONAL PROJECT AUTHORIZATION REQUIRED FOR MILITARY CONSTRUCTION PROJECTS FOR ENERGY RESILIENCE, ENERGY SECURITY, AND ENERGY CONSERVATION.

(a) Replacement of Notice and Wait Authority.—Section 2914 of title 10, United States Code, is amended to read as follows:

“§ 2914. Military construction projects for energy resilience, energy security, and energy conservation

“(a) Project Authorization Required.—The Secretary of Defense may carry out such military construction projects for energy resilience, energy security, and energy conservation as are authorized by law, using funds appropriated or otherwise made available for that purpose.

“(b) Submission of Project Proposals.—(1) As part of the Department of Defense Form 1391 submitted to the appropriate committees of Congress for a military construction project covered by subsection (a), the Secretary of Defense shall include the following information:

“(A) The project title.

“(B) The location of the project.

“(C) A brief description of the scope of work.
“(D) The original project cost estimate and the current working cost estimate, if different.

“(E) Such other information as the Secretary considers appropriate.

“(2) In the case of a military construction project for energy conservation, the Secretary also shall include the following information:

“(A) The original expected savings-to-investment ratio and simple payback estimates and measurement and verification cost estimate.

“(B) The most current expected savings-to-investment ratio and simple payback estimates and measurement and verification plan and costs.

“(C) A brief description of the measurement and verification plan and planned funding source.

“(3) In the case of a military construction project for energy resilience or energy security, the Secretary also shall include the rationale for how the project would enhance mission assurance, support mission critical functions, and address known vulnerabilities.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter I of chapter 173 of title 10, United States Code, is amended by striking the item relating to section 2914 and inserting the following new item:
SEC. 2806. ONE-YEAR EXTENSION OF TEMPORARY, LIMITED AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CONSTRUCTION PROJECTS IN CERTAIN AREAS OUTSIDE THE UNITED STATES.


(1) in paragraph (1), by striking “December 31, 2020” and inserting “December 31, 2021”; and

(2) paragraph (2), by striking “fiscal year 2021” and inserting “fiscal year 2022”.

(b) Continuation of Limitation on Use of Authority.—Subsection (e) of section 2808 of the Military Construction Authorization Act for Fiscal Year 2004 (division B of Public Law 108–136; 117 Stat. 1723), as most recently amended by section 2807(b) of the Military Construction Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2264), is further amended—
(1) by striking “either” and inserting “each”; and

(2) by inserting after the first paragraph (2) the following new subparagraph:

“(C) The period beginning October 1, 2020, and ending on the earlier of December 31, 2021, or the date of the enactment of an Act authorizing funds for military activities of the Department of Defense for fiscal year 2022.”.

(c) TECHNICAL CORRECTIONS.—Subsection (c) of section 2808 of the Military Construction Authorization Act for Fiscal Year 2004 (division B of Public Law 108–136; 117 Stat. 1723), as most recently amended by section 2807(b) of the Military Construction Authorization Act for Fiscal Year 2019 (Public Law 115–232; 132 Stat. 2264) and subsection (b) of this section, is further amended—

(1) by redesignating the second paragraph (1) as subparagraph (A); and

(2) by redesignating the first paragraph (2) as subparagraph (B).
SEC. 2807. PILOT PROGRAM TO SUPPORT COMBATANT COMMAND MILITARY CONSTRUCTION PRIORITIES.

(a) PILOT PROGRAM.—The Secretary of Defense shall conduct a pilot program to evaluate the usefulness of reserving a portion of the military construction funds of the military departments to help the combatant commands satisfy their military construction priorities in a timely manner.

(b) LOCATION.—The Secretary of Defense shall conduct the pilot program for the benefit of the United States Indo-Pacific Command in the area of responsibility of the United States Indo-Pacific Command.

(c) REQUIRED INVESTMENT.—For each fiscal year during which the pilot program is conducted, the Secretary of Defense shall reserve to carry out military construction projects under the pilot program an amount equal to 10 percent of the total amount authorized to be appropriated for military construction projects by titles XXI, XXII, and XXIII of the Military Construction Authorization Act for that fiscal year.

(d) COMMENCEMENT AND DURATION.—

(1) COMMENCEMENT.—The Secretary of Defense shall commence the pilot program no later than October 1, 2023. The Secretary may commence the pilot program as early as October 1, 2022, if the
Secretary determines that compliance with the reservation of funds requirement under subsection (e) is practicable beginning with fiscal year 2023.

(2) DURATION.—The pilot program shall be in effect for the fiscal year in which the Secretary commences the pilot program, as described in paragraph (1), and the subsequent two fiscal years. Any construction commenced under the pilot program before the expiration date may continue to completion.

(e) PROGRESS REPORT.—Not later than February 15 of the final fiscal year of the pilot program, the Secretary of Defense shall submit to the congressional defense committees a report evaluating the success of the pilot program in improving the timeliness of the United States Indo-Pacific Command in achieving its military construction priorities. The Secretary shall include in the report—

(1) an evaluation of the likely positive and negative impacts were the pilot program extended or made permanent and, if extended or made permanent, the likely positive and negative impacts of expansion to cover all or additional combatant commands; and

(2) the recommendations of the Secretary regarding whether the pilot program should be extended or made permanent and expanded.
SEC. 2808. BIANNUAL REPORT REGARDING MILITARY INSTALLATIONS SUPPORTED BY DISASTER RELIEF APPROPRIATIONS.

(a) REPORT REQUIRED.—Biannually through September 30, 2025, both the Secretary of the Air Force and the Secretary of the Navy shall submit to the relevant congressional committees a report regarding the obligation and expenditure at military installations under the jurisdiction of the Secretary concerned of appropriations made available to the Secretary concerned in title V of the Military Construction, Veterans Affairs, and Related Agencies Appropriations Act, 2020 (division F of Public Law 116–94).

(b) ELEMENTS OF REPORT.—Each report under subsection (a) shall include for the period covered by the report the following elements:

(1) The timeline for award of contracts for each military construction project to be funded with appropriations referred to in subsection (a).

(2) The status, including obligations and expenditures, of each contract already awarded for such military construction projects.

(3) An assessment of the contracting capacity of the communities in the vicinity of such military installations to support such contracts.
(4) The expectations that such local communities will be required to address.

(c) Public Availability of Report.—The information in each report specific to a particular military installation shall be made available online using a public forum commonly used in the locality in which the installation is located.

(d) Early Termination.—Notwithstanding the date specified in subsection (a), the Secretary of the Air Force and the Secretary of the Navy may terminate the reporting requirement applicable to the Secretary concerned under such subsection effective on the date on which the Secretary concerned certifies to the relevant congressional committees that at least 90 percent of the appropriations referred to in such subsection and made available to the Secretary concerned have been expended.

(e) Relevant Congressional Committees Defined.—In this section, the term “relevant congressional committees” means—

(1) the Committee on Armed Services and the Subcommittee on Military Construction, Veterans Affairs, and Related Agencies of the Committee on Appropriations of the House of Representatives; and
(2) the Committee on Armed Services and the Subcommittee on Military Construction, Veterans Affairs, and Related Agencies of the Senate.

Subtitle B—Military Family Housing Reforms

SEC. 2811. EXPENDITURE PRIORITIES IN USING DEPARTMENT OF DEFENSE FAMILY HOUSING IMPROVEMENT FUND.

(a) In general.—Section 2883(d)(1) of title 10, United States Code, is amended—

(1) by inserting “(A)” after “(1)”;

(2) by adding at the end the following new subparagraph:

“(B) The Secretary of Defense shall require that eligible entities receiving amounts from the Department of Defense Family Housing Improvement Fund prioritize the use of such amounts for expenditures related to operating expenses, debt payments, and asset recapitalization before other program management-incentive fee expenditures.”.

(b) Effective date.—The requirements set forth in subparagraph (B) of section 2883(d)(1) of title 10, United States Code, as added by subsection (a), shall apply to appropriate legal documents entered into or renewed on or after the date of the enactment of this Act between the Secretary of a military department and a
landlord regarding privatized military housing. In this subsection, the terms “landlord” and “privatized military housing” have the meanings given those terms in section 3001(a) of the Military Construction Authorization Act for Fiscal Year 2020 (division B of Public Law 116–92; 133 Stat. 1916; 10 U.S.C. 2821 note).

SEC. 2812. PROMULGATION OF GUIDANCE TO FACILITATE RETURN OF MILITARY FAMILIES DISPLACED FROM PRIVATIZED MILITARY HOUSING.

(a) GUIDANCE REQUIRED.—The Secretary of Defense shall promulgate guidance for commanders of military installations and installation housing management offices to facilitate and manage the return of tenants who are displaced from privatized military housing—

(1) as a result of an environmental hazard or other damage adversely affecting the habitability of the privatized military housing; or

(2) during remediation or repair activities in response to the hazard or damages.

(b) AVAILABILITY OF REIMBURSEMENT.—As part of the guidance, the Secretary of Defense shall identify situations in which a tenant of privatized military housing should be reimbursed for losses to personal property of the tenant that are not covered by insurance and are in-
curred by the tenant in the situations described in sub-
section (a).

(c) CONSULTATION.—The Secretary of Defense shall
promulgate the guidance in consultation with the Secre-
taries of the military departments, the Chief Housing Offi-
cer, landlords, and other interested persons.

(d) IMPLEMENTATION.—The Secretaries of the mili-
tary departments shall be responsible for ensuring the im-
plementation of the guidance at military installations
under the jurisdiction of the Secretary concerned.

(e) DEFINITIONS.—In this section, the terms “land-
lord”, “privatized military housing”, and “tenant” have
the meanings given those terms in section 3001(a) of the
Military Construction Authorization Act for Fiscal Year
2020 (division B of Public Law 116–92; 133 Stat. 1916;

SEC. 2813. PROMULGATION OF GUIDANCE ON MOLD MITI-
GATION IN PRIVATIZED MILITARY HOUSING.

(a) GUIDANCE REQUIRED.—The Secretary of De-
fense shall establish a working group to promulgate guid-
ance regarding best practices for mold mitigation in
privatized military housing and for making the determina-
tion regarding when the presence of mold in a unit of
home privatized military housing is an emergency situa-
tion requiring the relocation of the residents of the unit.
(b) Members.—The working groups shall include the Surgeon Generals of the Armed Forces and such other subject-matter experts as the Secretary considers appropriate.

SEC. 2814. EXPANSION OF UNIFORM CODE OF BASIC STANDARDS FOR PRIVATIZED MILITARY HOUSING AND HAZARD AND HABITABILITY INSPECTION AND ASSESSMENT REQUIREMENTS TO GOVERNMENT-OWNED AND GOVERNMENT-CONTROLLED MILITARY FAMILY HOUSING.

(a) Uniform Code of Basic Standards for Military Housing.—The Secretary of Defense shall expand the uniform code of basic housing standards for safety, comfort, and habitability for privatized military housing established pursuant to section 3051(a) of the Military Construction Authorization Act for Fiscal Year 2020 (division B of Public Law 116–92; 133 Stat. 1941; 10 U.S.C. 2871 note) to include Government-owned and Government-controlled military family housing located inside or outside the United States and occupied by members of the Armed Forces.

(b) Inspection and Assessment Plan.—The Secretary of Defense shall expand the Department of Defense housing inspection and assessment plan prepared pursu-
ant to section 3051(b) of the Military Construction Au-
2 thorization Act for Fiscal Year 2020 (division B of Public
3 Law 116–92; 133 Stat. 1941; 10 U.S.C. 2871 note) to
4 include Government-owned and Government-controlled
5 military family housing located inside or outside the
6 United States and occupied by members of the Armed
7 Forces and commence inspections and assessments of such
8 military family housing pursuant to the plan.

SEC. 2815. ESTABLISHMENT OF EXCEPTIONAL FAMILY
9 MEMBER PROGRAM HOUSING LIAISON.
10
11 (a) Establishment.—Not later than September 30,
12 2021, each Secretary of a military department shall ap-
13 point at least one Exceptional Family Member Program
14 housing liaison for that military department.
15
16 (b) Duties.—The duties of a Exceptional Family
17 Member Program housing liaison are to assist military
18 families enrolled in that Program, and who are
19 disproportionally housed in facilities under the Military
20 Housing Privatization Initiative, in obtaining cost-effective
21 services needed by such families.
SEC. 2816. DEPARTMENT OF DEFENSE REPORT ON CRITERIA AND METRICS USED TO EVALUATE PERFORMANCE OF LANDLORDS OF PRIVATIZED MILITARY HOUSING THAT RECEIVE INCENTIVE FEES.

(a) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report—

(1) describing the criteria and metrics currently used by the Department of Defense to analyze the performance of landlords that receive incentive fees; and

(2) evaluating the effectiveness of such criteria and metrics in accurately judging the performance of such landlords; and

(3) containing such recommendations as the Secretary considers appropriate to revise such criteria and metrics to better evaluate the performance of such landlords.

(b) PREPARATION OF REPORT.—To prepare the report required by subsection (a), the Secretary of Defense first shall solicit the views of the Secretaries of the military departments.
(c) DEFINITIONS.—In this section, the terms “incentive fees” and “landlord” have the meanings given those terms in paragraphs (9) and (10) of section 2871 of title 10, United States Code.

SEC. 2817. REPORT ON DEPARTMENT OF DEFENSE EFFORTS REGARDING OVERSIGHT AND ROLE IN MANAGEMENT OF PRIVATIZED MILITARY HOUSING.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the progress made by the Department of Defense in implementing the recommendations contained in the report of the Comptroller General regarding military housing entitled “DOD Needs to Strengthen Oversight and Clarify Its Role in the Management of Privatized Housing” and dated March 2020 (GAO-20-281).
Subtitle C—Real Property and Facilities Administration

SEC. 2821. CODIFICATION OF REPORTING REQUIREMENTS REGARDING UNITED STATES OVERSEAS MILITARY ENDURING LOCATIONS AND CONTINGENCY LOCATIONS.

(a) Inclusion of Information in Existing Annual Report.—Section 2687a(a) of title 10, United States Code, is amended—

(1) in the subsection heading, by striking "MASTER PLANS" and inserting "OVERSEAS MILITARY LOCATIONS";

(2) in paragraph (1), by striking subparagraph (B) and inserting the following new subparagraph:

"(B) overseas military locations, whether such a location is designated as an enduring location or contingency location."

; and

(3) by striking paragraph (2) and inserting the following new paragraphs:

"(2) To satisfy the reporting requirement specified in paragraph (1)(B), a report under paragraph (1) shall contain the following:

"(A) A description of the strategic goal and operational requirements supported by each overseas military location."
“(B) A summary of the terms of agreements for each overseas military location, including—

“(i) the type of implementing agreement;

“(ii) any annual lease or access costs to the United States under the agreement; and

“(iii) any limitation on United States military presence, activities, or operations at the overseas military location.

“(C) A list of all infrastructure investments made at each overseas military location during the previous fiscal year, delineated by project location, project title or description, cost of project, any amount paid by a host nation to cover all or part of the project cost, and authority used to undertake the project.

“(D) A list of all infrastructure requirements for each overseas military location anticipated during the fiscal year in which the report is submitted and the next four fiscal years, delineated as described in subparagraph (C).

“(E) A list of any overseas military locations newly established during the previous fiscal year.

“(F) A description of any plans to transition an existing contingency overseas military location to an enduring overseas military location or to upgrade or
downgrade the designation of an existing enduring
or contingency overseas military location during the
fiscal year in which the report is submitted or the
next four fiscal years.

“(G) A list of any overseas military locations
that, during the previous fiscal year, were transferred to the control of security forces of the host
country or another military force, closed, or for any
other reason no longer used by the armed forces, in-
cluding a summary of any costs associated with the
transfer or closure of the overseas military location.

“(H) A summary of the impact that the estab-
ishment or maintenance of each overseas military
location has on security commitments undertaken by
the United States pursuant to any international se-
curity treaty or the current security environments in
the combatant commands, including United States
participation in theater security cooperation activi-
ties and bilateral partnership, exchanges, and train-
ing exercises.

“(I) A summary of any force protection risks
identified for each overseas military location, the ac-
tions proposed to mitigate such risks, and the
resourcing and implementation plan to implement
the mitigation actions.
“(J) An assessment of force protection measures by host nations for each overseas military location and recommendations to mitigate any potential risks identified.

“(K) Such other such matters related to overseas military locations as the Secretary of Defense considers appropriate.

“(3)(A) In this subsection, the term ‘overseas military location’ covers both enduring locations and contingency locations established outside the United States.

“(B) An enduring location is primarily characterized either by the presence of permanently assigned United States forces with robust infrastructure and quality of life amenities to support that presence, by the sustained presence of allocated United States forces with infrastructure and quality of life amenities consistent with that presence, or by the periodic presence of allocated U.S. forces with little or no permanent United States military presence or controlled infrastructure. Enduring locations include main operating bases, forward operating sites, and cooperative security locations.

“(C) A contingency location refers to a location outside of the United States that is not covered by subparagraph (B), but that is used by United States forces to support and sustain operations during named and
unnamed contingency operations or other operations as directed by appropriate authority and is categorized by mission life-cycle requirements as initial, temporary, or semi-permanent.

“(4) The Secretary of Defense shall prepare the report under paragraph (1) in coordination with the Under Secretary of Defense for Policy and the Under Secretary of Defense for Acquisition and Sustainment.

“(5) A report under paragraph (1) shall be submitted in unclassified form, but may contain a classified annex as necessary.”.

(b) CONFORMING AND CLERICAL AMENDMENTS.—

(1) CONFORMING AMENDMENTS.—Section 2687a(e)(2) of title 10, United States Code, is amended by striking “host nation” both places it appears and inserting “host country”.

(2) SECTION HEADING.—The heading of section 2687a of title 10, United States Code, is amended to read as follows:

“§2687a. Overseas base closures and realignments and status of United States overseas military locations”.

(3) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 159 of title 10, United States Code, is amended by striking the item relat-
ing to section 2687a and inserting the following new item:

“2687a. Overseas base closures and realignments and status of United States overseas military locations.”.

(c) REPEAL OF SUPERCEDED REPORTING REQUIREMENT.—Section 2816 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1176) is repealed.

SEC. 2822. LIMITATIONS ON RENEWAL OF UTILITY PRIVATIZATION CONTRACTS.

(a) CONTRACT RENEWAL AUTHORITY.—Section 2688(d)(2) of title 10, United States Code, is amended—

(1) by inserting “(A)” after “(2)”; and

(2) by inserting after the first sentence the following new subparagraph:

“(B) A longer-term contract entered into under the authority of subparagraph (A) may be renewed in the manner provided in such subparagraph, except that such a contract renewal may only be awarded during the final five years of the existing contract term.”.

(b) CONFORMING AMENDMENTS.—Section 2688(d)(2) of title 10, United States Code, is further amended—

(1) by striking “The determination of cost effectiveness” and inserting the following:
“(C) A determination of cost effectiveness under this paragraph”; and

(2) by striking “the contract” and inserting “the contract or contract renewal”.

SEC. 2823. VESTING EXERCISE OF DISCRETION WITH SERVICE SECRETARIES REGARDING ENTERING INTO LONGER-TERM CONTRACTS FOR UTILITY SERVICES.

Section 2688(d)(2) of title 10, United States Code, as amended by section 2822, is further amended—

(1) by striking “The Secretary of Defense, or the designee of the Secretary,” and inserting “The Secretary concerned”; and

(2) by striking “if the Secretary” and inserting “if the Secretary concerned”.

SEC. 2824. USE OF ON-SITE ENERGY PRODUCTION TO PROMOTE MILITARY INSTALLATION ENERGY RESILIENCE AND ENERGY SECURITY.

(a) Promotion of On-Site Energy Security and Energy Resilience.—Section 2911 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(h) Promotion of On-Site Energy Security and Energy Resilience.—(1) Consistent with the energy security and resilience goals of the Department of
Defense and the energy performance master plan referred to in this section, the Secretary concerned shall consider, when feasible, projects for the production of installation energy that benefits military readiness and promotes installation energy security and energy resilience in the following manner:

“(A) Location of the energy-production infrastructure on the military installation that will consume the energy.

“(B) Incorporation of energy resilience features, such as microgrids, to ensure that energy remains available to the installation even when the installation is not connected to energy sources located off the installation.

“(C) Reduction in periodic refueling needs from sources off the installation to not more than once every two years.

“(3) In this subsection, the term ‘microgrid’ means an integrated energy system consisting of interconnected loads and energy resources that, if necessary, can be removed from the local utility grid and function as an integrated, stand-alone system.”.

(b) Evaluation of Feasibility of Expanding Use of On-site Energy Production.—
(1) PROJECTS AUTHORIZED.—Subsection (h) of section 2911 of title 10, United States Code, as added by subsection (a), is amended by inserting after paragraph (1) the following new paragraph:

“(2)(A) Using amounts made available for military construction projects under section 2914 of this title, the Secretary of Defense shall carry out at least four projects to promote installation energy security and energy resilience in the manner described in paragraph (1).

“(B) At least one project shall be designed to develop technology that demonstrates the ability to connect an existing on-site energy generation facility that uses solar power with one or more installation facilities performing critical missions in a manner that allows the generation facility to continue to provide electrical power to these facilities even if the installation is disconnected from the commercial power supply.

“(C) At least one project shall be designed to develop technology that demonstrates that one or more installation facilities performing critical missions can be isolated, for purposes of electrical power supply, from the remainder of the installation and from the commercial power supply in a manner that allows an on-site energy generation facility that uses a renewable energy source, other than solar
energy, to provide the necessary power exclusively to these facilities.

“(D) At least two projects shall be designed to develop technology that demonstrates the ability to store sufficient electrical energy from an on-site energy generation facility that uses a renewable energy source to provide the electrical energy required to continue operation of installation facilities performing critical missions during nighttime operations.

“(E) The Secretary of Defense may not select as the site of a project under this paragraph a military installation that already has the ability to satisfy any of the project requirements described in subparagraphs (B), (C), or (D).

“(F) The authority of the Secretary of Defense to commence a project under this paragraph expires on September 30, 2025.”.

(2) BRIEFING.—Not later than March 1, 2021, the Secretary of Defense shall brief the congressional defense committees regarding the plan to carry out the on-site energy production projects authorized by paragraph (2) of section 2911 of title 10, United States Code, as added by paragraph (1).
SEC. 2825. AVAILABILITY OF ENERGY RESILIENCE AND CONSERVATION INVESTMENT PROGRAM FUNDS FOR CERTAIN ACTIVITIES RELATED TO PRIVATIZED UTILITY SYSTEMS.

Section 2914(a) of title 10, United States Code, is amended—

(1) by inserting “(1)” before “The Secretary of Defense”; and

(2) by adding at the end the following new paragraph:

“(2) For purposes of this section, a military construction project is deemed to include activities related to utility systems authorized under subsections (h), (j), and (k) of section 2688 or section 2913 of this title, notwithstanding that the United States does not own the utility system, and energy-related activities included as a separate requirement in an energy savings performance contract (as defined in section 804(3) of the National Energy Conservation Policy Act (42 U.S.C. 8287c(3))).”.

SEC. 2826. IMPROVING WATER MANAGEMENT AND SECURITY ON MILITARY INSTALLATIONS.

(a) Risk-based Approach to Installation Water Management and Security.—

(1) General requirement.—The Secretary concerned shall adopt a risk-based approach to
water management and security for each military installation under the jurisdiction of the Secretary.

(2) IMPLEMENTATION PRIORITIES.—The Secretary concerned shall begin implementation of paragraph (1) by prioritizing those military installations under the jurisdiction of the Secretary that the Secretary determines—

(A) are experiencing the greatest risks to sustainable water management and security;

and

(B) face the most severe existing or potential adverse impacts to mission assurance as a result of such risks.

(3) DETERMINATION METHOD.—Determinations under paragraph (2) shall be made on the basis of the water management and security assessments made by the Secretary concerned under subsection (b).

(b) WATER MANAGEMENT AND SECURITY ASSESSMENTS.—

(1) ASSESSMENT METHODOLOGY.—The Secretaries concerned, acting jointly, shall develop a methodology to assess risks to sustainable water management and security and mission assurance.
(2) ELEMENTS.—Required elements of the assessment methodology shall include the following:

(A) An evaluation of the water sources and supply connections for a military installation, including water flow rate and extent of competition for the water sources.

(B) An evaluation of the age, condition, and jurisdictional control of water infrastructure serving the military installation.

(C) An evaluation of the military installation’s water-security risks related to drought-prone climates, impacts of defense water usage on regional water demands, water quality, and legal issues, such as water rights disputes.

(D) An evaluation of the resiliency of the military installation’s water supply and the overall health of the aquifer basin of which the water supply is a part, including the robustness of the resource, redundancy, and ability to recover from disruption.

(E) An evaluation of existing water metering and consumption at the military installation, considered at a minimum—

(i) by type of installation activity, such as training, maintenance, medical,
housing, and grounds maintenance and landscaping; and

(ii) by fluctuations in consumption, including peak consumption by quarter.

(c) Evaluation of Installations for Potential Net Zero Water Usage.—

(1) Evaluation Required.—The Secretary concerned shall conduct an evaluation of each military installation under the jurisdiction of the Secretary to determine the potential for the military installation, or at a minimum certain installation activities, to achieve net zero water usage.

(2) Elements.—Required elements of each evaluation shall include the following:

(A) An evaluation of alternative water sources to offset use of freshwater, including water recycling and harvested rainwater for use as non-potable water.

(B) An evaluation of the practicality of implementing Department of Energy guidelines for net zero water usage, when practicable to minimize water consumption and wastewater discharge in buildings scheduled for renovation.

(C) An evaluation of the practicality of implementing net zero water usage technology into
new construction in water-constrained areas, as
determined by water management and security
assessments conducted under subsection (b).

(d) IMPROVED LANDSCAPING MANAGEMENT PRACTICES.—

(1) LANDSCAPING MANAGEMENT.—The Secretary concerned shall implement, to the maximum
extent practicable, at each military installation
under the jurisdiction of the Secretary landscaping
management practices to increase water resilience
and ensure greater quantities of water availability
for operational, training, and maintenance require-
ments.

(2) ARID OR SEMI-ARID CLIMATES.—For military installations located in arid or semi-arid cli-
mates, landscaping management practices shall in-
clude the use of xeriscaping.

(3) NON-ARID CLIMATES.—For military install-
ations located in arid or non-arid climates, land-
scaping management practices shall include the use
of plants common to the region in which the installa-
tion is located and native grasses and plants.

(4) POLLINATOR CONSERVATION REFERENCE
GUIDE.—The Secretary concerned shall follow the
recommendations of the Department of Defense Pol-
ator Conservation Reference Guide (September 2018) to the maximum extent practicable in order to reduce operation and maintenance costs related to landscaping management, while improving area management. Consistent with such guide, in the preparation of a military installation landscaping plan, the Secretary concerned should consider the following:

(A) Adding native flowering plants to sunny open areas and removing overhanging tree limbs above open patches within forested areas or dense shrub.

(B) Removing or controlling invasive plants to improve pollinator habitat.

(C) Preserving known and potential pollinator nesting and overwintering sites.

(D) Eliminating or minimizing pesticide use in pollinator habitat areas.

(E) Mowing in late fall or winter after plants have bloomed and set seed, adjusting timing to avoid vulnerable life stages of special status pollinators.

(F) Mowing mid-day when adult pollinators can avoid mowing equipment.

(e) IMPLEMENTATION REPORT.—
(1) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in coordination with the other Secretaries concerned, shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the progress made in implementing this section.

(2) REPORT ELEMENTS.—The report shall include the following:

(A) The methodology developed under subsection (b) to conduct water management and security assessments.

(B) A list of the military installations that have been assessed using such methodology and a description of the findings.

(C) A list of planned assessments for the one-year period beginning on the date of the submission of the report.

(D) An evaluation of the progress made on implementation of xeriscaping and other regionally appropriate landscaping practices at military installations.

(f) DEFINITIONS.—In this section:

(1) The term “net zero water usage”, with respect to a military installation or installation activ-
ity, means a situation in which the combination of
limitations on the consumption of water resources
and the return of water to an original water source
by the installation or activity is sufficient to prevent
any reduction in the water resources of the area in
both quantity and quality over a reasonable period
of time.

(2) The terms “Secretary concerned” and “Sec-
retary” mean the Secretary of a military department
and the Secretary of Defense with respect to the
Pentagon Reservation.

(3) The term “xeriscaping” means landscape
design that emphasizes low water use and drought-
tolerant plants that require little or no supplemental
irrigation.

SEC. 2827. PILOT PROGRAM TO TEST USE OF EMERGENCY
DIESEL GENERATORS IN A MICROGRID CON-
FIGURATION AT CERTAIN MILITARY INSTAL-
LATIONS.

(a) Pilot Program Authorized.—The Secretary
of Defense may conduct a pilot program (to be known as
the Emergency Diesel Generator Microgrid Program) to
evaluate the feasibility and cost effectiveness of connecting
existing diesel generators at a military installation selected
pursuant to subsection (c) to create and support one or
more microgrid configurations at the installation capable of providing full-scale electrical power for the defense critical facilities located at the installation during an emergency involving the loss of external electric power supply caused by an extreme weather condition, manmade intentional infrastructure damage, or other circumstances.

(b) GOAL OF PILOT PROGRAM.—The goals of the Emergency Diesel Generator Microgrid Program are—

(1) to test assumptions about lower operating and maintenance costs, parts interchangeability, lower emissions, lower fuel usage, increased resiliency, increased reliability, and reduced need for emergency diesel generators; and

(2) to establish design criteria that could be used to build and sustain emergency diesel generator microgrids at other military installations.

(c) PILOT PROGRAM LOCATIONS.—As the locations to conduct the Emergency Diesel Generator Microgrid Program, the Secretary of Defense shall select two major military installations located in different geographical regions of the United States that the Secretary determines—

(1) are defense critical electric infrastructure sites or contain, or are served by, defense critical electric infrastructure;
(2) contain more than one defense critical function for national defense purposes and the mission assurance of such critical defense facilities are paramount to maintaining national defense and force projection capabilities at all times; and

(3) face unique electric energy supply, delivery, and distribution challenges that, based on the geographic location of the installations and the overall physical size of the installations, adversely impact rapid electric infrastructure restoration after an interruption.

(d) SPECIFICATIONS OF DIESEL GENERATORS AND MICROGRID.—

(1) GENERATOR SPECIFICATIONS.—The Secretary of Defense shall use existing diesel generators that are sized >/= 750kW output.

(2) MICROGRID SPECIFICATIONS.—The Secretary of Defense shall create the microgrid using commercially available and proven designs and technologies. The existing diesel generators used for the microgrid should be spaced within 1.0 to 1.5 mile of each other and, using a dedicated underground electric cable network, be tied into a microgrid configuration sufficient to supply mission critical facilities within the service area of the microgrid. A selected
military installation may contain more than one such microgrid under the Emergency Diesel Generator Microgrid Program.

(e) PROGRAM AUTHORITIES.—The Secretary of Defense may use the authority under section 2914 of title 10, United States Code (known as the Energy Resilience and Conservation Investment Program) and energy savings performance contracts to conduct the Emergency Diesel Generator Microgrid Program.

(f) DEFINITIONS.—For purposes of the Emergency Diesel Generator Microgrid Program:

(1) The term “defense critical electric infrastructure” has the meaning given that term in section 215A of the Federal Power Act (16 U.S.C. 824o–1).

(2) The term “energy savings performance contract” has the meaning given that term in section 804(3) of the National Energy Conservation Policy Act (42 U.S.C. 8287c(3)).

(3) The term “existing diesel generators” means diesel generators located, as of the date of the enactment of this Act, at a major military installation selected as a location for the Emergency Diesel Generator Microgrid Program and intended for emergency use.
The term “major military installation” has the meaning given that term in section 2864 of title 10, United States Code.

SEC. 2828. IMPROVED ELECTRICAL METERING OF DEPARTMENT OF DEFENSE INFRASTRUCTURE SUPPORTING CRITICAL MISSIONS.

(a) OPTIONS TO IMPROVE ELECTRICAL METERING.—The Secretary of Defense and the Secretaries of the military departments shall improve the metering of electrical energy usage of covered defense structures to accurately determine energy consumption by such a structure to increase energy efficiency and improve energy resilience, using any combination of the options specified in subsection (b) or such other methods as the Secretary concerned considers practicable.

(b) METERING OPTIONS.—Electrical energy usage options to be considered for a covered defense structure include the following:

(1) Installation of a smart meter at the electric power supply cable entry point of the covered defense structure, with remote data storage and retrieval capability using cellular communication, to provide historical energy usage data on an hourly basis to accurately determine the optimum cost ef-
fective energy efficiency and energy resilience measures for the covered defense structure.

(2) Use of an energy usage audit firm to individually meter the covered defense structure using clamp-on meters and data storage to provide year-long electric energy load profile data, particularly in the case of a covered defense structure located in climates with highly variable use based on weather or temperature changes to accurately identify electric energy usage demand for both peak and off peak periods for a covered defense structure.

(3) Manual collection and calculation of the connected load via nameplate data survey of all the connected electrical devices for the covered defense structure and comparing it to the designed maximum rating of the incoming electric supply to determine the maximum electrical load for the covered defense structure.

(c) CONSIDERATION OF PARTNERSHIPS.—The Secretary of Defense and the Secretaries of the military departments shall consider the use of arrangements (known as public-private partnerships) with appropriate entities outside the Government to reduce the cost of carrying out this section.

(d) DEFINITIONS.—In this section:
(1) The term “covered defense structure” means any infrastructure under the jurisdiction of the Department of Defense inside the United States that the Secretary of Defense or the Secretary of the military department concerned determines—

(A) is used to support a critical mission of the Department; and

(B) is located at a military installation with base-wide resilient power.

(2) The term “energy resilience” has the meaning given that term in section 101(e)(6) of title 10, United States Code.

(e) IMPLEMENTATION REPORT.—As part of the Department of Defense energy management report to be submitted under section 2925 of title 10, United States Code, during fiscal year 2022, the Secretary of Defense shall include information on the progress being made to comply with the requirements of this section.

SEC. 2829. RENAMING CERTAIN MILITARY INSTALLATIONS AND OTHER DEFENSE PROPERTY.

(a) DEFINITIONS.—In this section:

(1) The term “advisory panel” means an advisory panel established by the Secretary concerned to assist the Secretary concerned in the renaming process required by this section.
(2) The term “covered defense property” means any real property, including any building, structure, or other improvement to real property thereon, under the jurisdiction of the Secretary concerned that is named after any person who served in the political or military leadership of any armed rebellion against the United States.

(3) The term “covered military installation” means a military installation or reserve component facility that is named after any person who served in the political or military leadership of any armed rebellion against the United States.

(4) The term “identification report” means the initial report required by subsection (c) that identifies covered military installations and covered defense property.

(5) The term “military installation” has the meaning given that term in section 2801(c) of title 10, United States Code.

(6) The term “other improvement” includes any library, classroom, parade ground or athletic field, training range, roadway, or similar physical feature.

(7) The term “process report” means the report required by subsection (d) that describes the renaming process to be used by the Secretary concerned.
(8) The term “renaming report” means the final report required by subsection (f) that provides new names for covered military installations and covered defense property.

(9) The term “reserve component facility” has the meaning given the term “facility” in section 18232 of title 10, United States Code, and covers those facilities for which title is vested in the United States or for which the Secretary of Defense contributed funds under section 18233(a) of such title or former section 2233 of such title.

(10) The term “Secretary concerned” means the Secretary of a military department and includes the Secretary of Defense with respect to matters concerning the Defense Agencies.

(b) RENAMING REQUIRED; DEADLINE.—Not later than one year after the date of the enactment of this Act, the Secretary concerned shall—

(1) complete the renaming process required by this section; and

(2) commence the renaming of each covered military installation and covered defense property identified in the renaming report pursuant to the guidance issued by the Secretary concerned under subsection (f).
(c) **Identification Report; Deadline.**—Not later than 60 days after the date of the enactment of this Act, each Secretary concerned shall submit to the congressional defense committees a report that identifies each covered military installation and all covered defense property under the jurisdiction of the Secretary concerned that the Secretary concerned determines satisfies the definitions given those terms in subsection (a).

(d) **Process Report; Deadline.**—

(1) **Report required.**—Not later than 90 days after the date of the enactment of this Act, each Secretary concerned shall submit to the congressional defense committees a report describing the process by which the Secretary concerned will rename each covered military installation and covered defense property identified in the renaming report prepared by the Secretary concerned.

(2) **Report elements.**—At minimum, the process report shall contain the following elements:

(A) A detailed description of the process to be used by the Secretary concerned to develop a list of potential names for renaming covered military installations and covered defense property.
(B) An explanation regarding whether or not the Secretary concerned established, or will establish, an advisory panel to support the review process and make recommendations to the Secretary concerned. If the Secretary concerned has established, or will establish, an advisory panel, the report shall include the names and positions of the individuals who will serve on the advisory panel that represent:

(i) Military leadership from covered military installations.

(ii) Military leadership from military installations containing covered defense property.

(iii) State leaders and leaders of the locality in which a covered military installation or covered defense property is located.

(iv) Representatives from military museums, military historians, or relevant historians from the impacted States and localities with relevant expertise.

(v) Community civil rights leaders.

(C) The criteria the Secretary concerned will use to inform the renaming process.
(D) A description of the process for accepting and considering public comments from members of the Armed Forces, veterans, and members of the local community on potential names for renaming covered military installations and covered defense property.

(E) A timeline for the renaming process consistent with the deadline specified in subsection (b).

(c) CONGRESSIONAL GUIDANCE ON RENAMING CRITERIA.—

(1) PREFERENCES.—As part of the renaming process established by the Secretary concerned and described in the process report required by subsection (c), the Secretary concerned shall give a preference for renaming covered military installations and covered defense property after either—

(A) a battlefield victory by the Armed Forces consistent with current Department of Defense naming conventions; or

(B) a deceased member of the Armed Forces who satisfies one of more of the following:

(i) Was a recipient of the Congressional Medal of Honor.
(ii) Was recognized for heroism in combat or for other significant contributions to the United States.

(iii) Was a member of a minority group who overcame prejudice and adversity to perform distinguished military service.

(iv) Has links to the community or State where the military installation or covered property is located.

(v) Served at the covered military installation, in a unit of the Armed Forces based at the covered installation; or at the military installation containing the covered defense property.

(2) OTHER CONSIDERATIONS.—

(A) JUNIOR SERVICEMEMBERS.—Junior members of the Armed Forces should be favored in the renaming process over general officers or flag officers.

(B) BRANCH CONSIDERATION.—A deceased member of the Armed Forces whose name is selected in the renaming process should have served in the same Armed Force as the majority of the members of the Armed Forces
stationed at the covered military installation re-

named in honor of the deceased member or at

which the renamed covered defense property is

located.

(C) Conflict consideration.—The

names selected in the renaming process should

recognize and reflect significant battles or con-
tingency operations since 1917 or the contribu-
tions of members of the Armed Forces who

served in wars and contingency operations since

1917.

(D) Personal conduct.—A deceased

member of the Armed Forces whose name is se-
lected in the renaming process should be a per-
son whose personal conduct reflects the current

values of the Armed Forces and its members.

(f) Renaming report; deadline.—

(1) Report required.—Upon completing the

renaming process identified in the process report,

but not later than 30 days before the deadline spe-

cified in subsection (b), each Secretary concerned shall

submit to the congressional defense committees a

final report containing the list of the new names

chosen for each covered military installation and cov-
ered defense property identified in the identification
report prepared by the Secretary concerned.

(2) REPORT ELEMENTS.—At minimum, the re-
naming report shall contain an explanation of the
reasons for the selection of each new name chosen
for covered military installations and covered defense
property.

(3) PUBLIC AVAILABILITY.—The Secretary con-
cerned shall make the renaming report publicly
available as soon as practicable after submission of
the renaming report.

(3) GUIDANCE FOR ACTUAL RENAMING.—Not
later than 30 days after submission of the renaming
report, the Secretary concerned shall issue guidance
to promptly affect the name changes contained in
the renaming report.

(g) SAVINGS CLAUSE.—Nothing in this section or the
renaming process required by this section shall be con-
strued to have any effect on grave markers or cemeteries
that may exist on real property under the jurisdiction of
the Department of Defense.

Subtitle D—Land Conveyances

SEC. 2831. LAND CONVEYANCE, CAMP NAVAJO, ARIZONA.

(a) CONVEYANCE AUTHORIZED.—The Secretary of
the Army may convey, without consideration, to the State
of Arizona Department of Emergency and Military Affairs (in this section referred to as the “State”) all right, title, and interest of the United States in and to a parcel of real property, including any improvements thereon, consisting of not more than 3,000 acres at Camp Navajo, Arizona, for the purpose of permitting the State to use the property—

(1) for training the Arizona Army National Guard and Air National Guard; and

(2) for defense industrial base economic development purposes that are compatible with the environmental security and primary National Guard training purpose of Camp Navajo.

(b) CONDITION OF CONVEYANCE.—

(1) USE OF REVENUES.—The authority of the Secretary of the Army to make the conveyance described in subsection (a) is subject to the condition that the State agree that all revenues generated from the use of the property conveyed under such subsection will be used to support the training requirements of the Arizona Army National Guard and Air National Guard, including necessary infrastructure maintenance and capital improvements.

(2) AUDIT.—The United States Property and Fiscal Office for Arizona shall—
(A) conduct periodic audits of all revenues generated by uses of the conveyed property and the use of such revenues; and

(B) provide the audit results to the Chief of the National Guard Bureau.

(c) REVERSIONARY INTEREST.—

(1) INTEREST RETAINED.—If the Secretary of the Army determines at any time that the property conveyed under subsection (a) is not being used in accordance with the purposes of the conveyance specified in such subsection, or that the State has not complied with the condition imposed by subsection (b), all right, title, and interest in and to the conveyed property, including any improvements thereon, shall, at the option of the Secretary, revert to and become the property of the United States, and the United States shall have the right of immediate entry onto the Property.

(2) DETERMINATION.—A determination by the Secretary under this subsection shall be made on the record after an opportunity for a hearing.

(d) ALTERNATIVE CONSIDERATION OPTION.—

(1) CONSIDERATION OPTION.—In lieu of exercising the reversionary interest retained under subsection (c), the Secretary of the Army may accept an
offer by the State to pay to the United States an
amount equal to the fair market value of the prop-
erty conveyed under subsection (a), excluding the
value of any improvements on the conveyed property
constructed without Federal funds after the date of
the conveyance is completed, as determined by the
Secretary.

(2) Treatment of Consideration Received.—Consideration received by the Secretary
under paragraph (1) shall be deposited in the special
account in the Treasury established for the Sec-
retary under subsection (e) of section 2667 of title
10, United States Code, and shall be available to the
Secretary for the same uses and subject to the same
limitations as provided in that section.

(e) Payment of Costs of Conveyance.—

(1) Payment Required.—The Secretary of
the Army shall require the State to cover costs to be
incurred by the Secretary, or to reimburse the Sec-
retary for such costs incurred by the Secretary, to
carry out the conveyance under subsection (a), in-
cluding survey costs, costs for environmental docu-
mentation related to the conveyance, and any other
administrative costs related to the conveyance. If
amounts are collected from the State in advance of
the Secretary incurring the actual costs, and the
amount collected exceeds the costs actually incurred
by the Secretary to carry out the conveyance, the
Secretary shall refund the excess amount to the
State.

(2) TREATMENT OF AMOUNTS RECEIVED.—
Amounts received as reimbursement under para-
graph (1) shall be credited to the fund or account
that was used to cover those costs incurred by the
Secretary in carrying out the conveyance or, if the
period of availability for obligations for that appro-
priation has expired, to the fund or account cur-
cently available to the Secretary for the same pur-
pose. Amounts so credited shall be merged with
amounts in such fund or account, and shall be avail-
able for the same purposes, and subject to the same
conditions and limitations, as amounts in such fund
or account.

(f) DESCRIPTION OF PROPERTY.—The exact acreage
and legal description of the property to be conveyed under
subsection (a) shall be determined by a survey satisfactory
to the Secretary of the Army.

(g) SAVINGS PROVISION.—Nothing in this section
shall be construed to alleviate, alter, or affect the responsi-
bility of the United States for cleanup and remediation
of the property to be conveyed under subsection (a) in ac-
cordance with the Defense Environmental Restoration
Program under section 2701 of title 10, United States
Code, and the Comprehensive Environmental Response,
et seq.).

(h) ADDITIONAL TERMS AND CONDITIONS.—The
Secretary of the Army may require such additional terms
and conditions in connection with the conveyance under
subsection (a) as the Secretary considers appropriate to
protect the interests of the United States. These addi-
tional terms may include a requirement for the State to
consult with the Secretary of the Navy regarding use of
the conveyed property.

SEC. 2832. MODIFICATION OF LAND EXCHANGE INVOLVING
NAVAL INDUSTRIAL RESERVE ORDNANCE
PLANT, SUNNYVALE, CALIFORNIA.

(a) ELEMENTS OF EXCHANGE.—Section 2841(a) of
the Military Construction Authorization Act for Fiscal
Year 2018 (division B of Public Law 115–91; 131 Stat.
1860) is amended by striking paragraphs (1) and (2) and
inserting the following new paragraphs:

“(1) real property, including improvements
thereon, located in Titusville, Florida, that will re-
place the NIROP and meet the readiness require-
ments of the Department of the Navy, as determined
by the Secretary; and
“(2) reimbursement for the costs of relocation
of contractor and Government personnel and equip-
ment from the NIROP to the replacement facilities,
to the extent specified in the land exchange agree-
ment contemplated in subsection (b).”.

(b) ELEMENTS OF LAND EXCHANGE AGREEMENT.—
Section 2841(b)(1) of the Military Construction Author-
ization Act for Fiscal Year 2018 (division B of Public Law
115–91; 131 Stat. 1860) is amended by inserting after
“identifies” the following: “the costs of relocation to be
reimbursed by the Exchange Entity,”.

(c) VALUATION OF PROPERTIES AND COMPENSA-
TION.—Section 2841 of the Military Construction Author-
ization Act for Fiscal Year 2018 (division B of Public Law
115–91; 131 Stat. 1860) is amended—

(1) by striking subsection (e);

(2) by redesignating subsections (d) through (i)
as subsections (e) through (j), respectively; and

(3) by inserting after subsection (b) the fol-
lowing new subsections:

“(e) VALUATION.—The Secretary shall determine the
fair market value of the properties, including improve-
ments thereon, to be exchanged by the Secretary and the Exchange Entity under subsection (a).

“(d) COMPENSATION.—

“(1) COMPENSATION REQUIRED.—The Exchange Entity shall provide compensation under the land exchange agreement described in subsection (b) that is equal to or exceeds the fair market value of the NIROP, as determined under subsection (c).

“(2) IN-KIND CONSIDERATION.—As part of the compensation under the land exchange agreement, the Secretary and the Exchange Entity may agree for the Exchange Entity to provide the following forms of in-kind consideration at any property or facility under the control of the Secretary:

“(A) Alteration, repair, improvement, or restoration (including environmental restoration) of property.

“(B) Use of facilities by the Secretary.

“(C) Provision of real property maintenance services.

“(D) Provision of or payment of utility services.

“(E) Provision of such other services relating to activities that will occur on the property as the Secretary considers appropriate.
“(3) DEPOSIT.—The Secretary shall deposit any cash payments received under the land exchange agreement, other than cash payments accepted under section 2695 of title 10, United States Code, in the account in the Treasury established pursuant to section 572(b) of title 40, United States Code.

“(4) USE OF PROCEEDS.—Proceeds deposited pursuant to paragraph (3) in the account referred to in such paragraph shall be available to the Secretary in such amounts as provided in appropriations Acts for the following activities:

“(A) Maintenance, protection, alternation, repair, improvement, or restoration (including environmental restoration) of property or facilities.

“(B) Payment of utilities services.

“(C) Real property maintenance services.”.

(d) TREATMENT OF CERTAIN AMOUNTS RECEIVED.—Subsection (f) of section 2841 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1861), as redesignated by subsection (c)(2) of this section, is amended by striking “(a), (e)(2), and (d)” and inserting “(a) and (e)”. 
(e) SUNSET.—Subsection (j) of section 2841 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1861), as redesignated by subsection (c)(2) of this section, is amended by striking “October 1, 2023” and inserting “October 1, 2026, if the Secretary and the Exchange Entity have not entered into a land exchange agreement described in subsection (b) before that date”.

SEC. 2833. LAND CONVEYANCE, SHARPE ARMY DEPOT, LATHROP, CALIFORNIA.

(a) CONVEYANCE AUTHORIZED.—If the Secretary of the Army determines that no department or agency of the Federal Government will accept the transfer of a parcel of real property consisting of approximately 525 acres at Sharpe Army Depot in Lathrop, California, the Secretary may convey to the Port of Stockton, California, all right, title, and interest of the United States in and to the property, including any improvements thereon, for the purpose of permitting the Port of Stockton to use the property for the development or operation of a port facility.

(b) MODIFICATION OF PARCEL AUTHORIZED FOR CONVEYANCE.—If a department or agency of the Federal Government will accept the transfer of a portion of the parcel of real property described in subsection (a), the Secretary shall modify the conveyance authorized by such

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subsection to exclude the portion of the parcel to be accepted by that department or agency.

(c) CONSIDERATION.—

(1) **PUBLIC BENEFIT CONVEYANCE.**—The Secretary of the Army may assign the property for conveyance under subsection (a) as a public benefit conveyance without monetary consideration to the Federal Government if the Port of Stockton satisfies the conveyance requirements specified in section 554 of title 40, United States Code.

(2) **FAIR MARKET VALUE.**—If the Port of Stockton fails to qualify for a public benefit conveyance under paragraph (1) and still desires to acquire the real property described in subsection (a), the Port of Stockton shall pay to the United States an amount equal to the fair market value of the property to be conveyed. The Secretary shall determine the fair market value of the property using an independent appraisal based on the highest and best use of the property.

(d) **DESCRIPTION OF PROPERTY.**—The exact acreage and legal description of the real property to be conveyed under subsection (a) shall be determined by a survey satisfactory to the Secretary of the Army. The cost of the survey shall be borne by the Port of Stockton.
(c) ADDITIONAL TERMS AND CONDITIONS.—The Secretary of the Army may require such additional terms and conditions in connection with the conveyance under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

(f) SUNSET.—If the real property authorized for conveyance by subsection (a) is not conveyed within one year after the date of the enactment of this Act, the Secretary of the Army may report the property excess for disposal in accordance with existing law.

SEC. 2834. LAND EXCHANGE, SAN BERNARDINO COUNTY, CALIFORNIA.

(a) DEFINITIONS.—In this section:

(1) COUNTY.—The term “County” means the County of San Bernardino, California.


(3) NON-FEDERAL LAND.—The term “non-Federal land” means the approximately 71 acres of land owned by the County generally depicted as “Non-Federal Land Proposed for Exchange” on the map referred to in paragraph (2).
(b) EXCHANGE AUTHORIZED.—Subject to valid existing rights and the terms of this section, no later than one year after the date that the portion of the Pacific Crest National Scenic Trail is relocated in accordance with subsection (i), if the County offers to convey the non-Federal land to the United States, the Secretary of Agriculture shall—

(1) convey to the County all right, title, and interest of the United States in and to the Federal land; and

(2) accept from the County a conveyance of all right, title, and interest of the County in and to the non-Federal land.

(c) EQUAL VALUE AND CASH EQUALIZATION.—

(1) EQUAL VALUE EXCHANGE.—The land exchange under this section shall be for equal value, or the values shall be equalized by a cash payment as provided for under this subsection or an adjustment in acreage. At the option of the County, any excess value of the non-Federal lands may be considered a gift to the United States.

(2) CASH EQUALIZATION PAYMENT.—The County may equalize the values of the lands to be exchanged under this section by cash payment with-
out regard to any statutory limit on the amount of such a cash equalization payment.

(3) DEPOSIT AND USE OF FUNDS RECEIVED FROM COUNTY.—Any cash equalization payment received by the Secretary of Agriculture under this subsection shall be deposited in the fund established under Public Law 90–171 (16 U.S.C. 484a; commonly known as the Sisk Act). The funds so deposited shall remain available to the Secretary of Agriculture, until expended, for the acquisition of lands, waters, and interests in land for the San Bernardino National Forest.

(d) APPRAISAL.—The Secretary of Agriculture shall complete an appraisal of the land to be exchanged under this section in accordance with—

(1) the Uniform Appraisal Standards for Federal Land Acquisitions; and

(2) the Uniform Standards of Professional Appraisal Practice.

(e) TITLE APPROVAL.—Title to the land to be exchanged under this section shall be in a format acceptable to the Secretary of Agriculture and the County.

(f) SURVEY OF NON-FEDERAL LANDS.—Before completing the exchange under this section, the Secretary of Agriculture shall inspect the non-Federal lands to ensure
that the land meets Federal standards, including hazardous materials and land line surveys.

(g) Costs of Conveyance.—As a condition of the conveyance of the Federal land under this section, any costs related to the exchange under this section shall be paid by the County.

(h) Management of Acquired Lands.—The Secretary of Agriculture shall manage the non-Federal land acquired under this section in accordance with the Act of March 1, 1911 (16 U.S.C. 480 et seq.; commonly known as the Weeks Act), and other laws and regulations pertaining to National Forest System lands.

(i) Pacific Crest National Scenic Trail Relocation.—No later than three years after the date of enactment of this Act, the Secretary of Agriculture, in accordance with applicable laws, shall relocate the portion of the Pacific Crest National Scenic Trail located on the Federal land—

1. to adjacent National Forest System land;
2. to land owned by the County, subject to County approval;
3. to land within the Federal land, subject to County approval; or
(j) **Map and Legal Descriptions.**—As soon as practicable after the date of the enactment of this Act, the Secretary of Agriculture shall finalize a map and legal descriptions of all land to be conveyed under this section. The Secretary may correct any minor errors in the map or in the legal descriptions. The map and legal descriptions shall be on file and available for public inspection in appropriate offices of the Forest Service.

**SEC. 2835. LAND CONVEYANCE, OVER-THE-HORIZON BACKSCATTER RADAR SYSTEM RECEIVING STATION, MODOC COUNTY, CALIFORNIA.**

(a) **Conveyance Required.**—

(1) **In General.**—As soon as practicable after receiving a request from Modoc County, California (in this section referred to as the “County”) regarding the conveyance required by this section, but subject to paragraph (2), the Secretary of Agriculture shall convey to the County all right, title, and interest of the United States in and to a parcel of National Forest System land, including improvements thereon, consisting of approximately 927 acres in Modoc National Forest in the State of California.
and containing an obsolete Over-the-Horizon Backscatter Radar System receiving station established on the parcel pursuant to a memorandum of agreement between the Department of the Air Force and Forest Service dated May 18 and 23, 1987.

(2) APPLICABLE LAW AND NATIONAL SECURITY DETERMINATION.—The Secretary of Agriculture shall carry out the conveyance under subsection (a) in accordance with this section and all other applicable law, including the condition that the conveyance not take place until the Secretary, in consultation with the Secretary of the Air Force, determines that the conveyance will not harm the national security interests of the United States.

(b) PURPOSE OF CONVEYANCE.—The purpose of the conveyance under subsection (a) is to preserve and utilize the improvements constructed on the parcel of National Forest System land described in such subsection and to permit the County to use the conveyed property, including improvements thereon, for the development of renewable energy, including solar and biomass cogeneration.

(c) CONSIDERATION.—

(1) IN GENERAL.—As consideration for the conveyance under subsection (a), the County shall pay to the Secretary of Agriculture an amount that is
not less than the fair market value of the parcel of land to be conveyed, as determined in accordance with the Uniform Appraisal Standards for Federal Land Acquisition and the Uniform Standards of Professional Appraisal Practice.

(2) TREATMENT OF CASH CONSIDERATION.—The Secretary shall deposit the payment received under paragraph (1) in the account in the Treasury established by Public Law 90–171 (commonly known as the Sisk Act; 16 U.S.C. 484a). The amount deposited shall be available to the Secretary, in such amounts as may be provided in advance in appropriation Acts, to pay any necessary and incidental costs incurred by the Secretary in connection with the improvement, maintenance, reconstruction, or construction of a facility or improvement for the National Forest System located in the State of California.

(d) RESERVATION OF EASEMENT RELATED TO CONTINUED USE OF WATER WELLS.—The conveyance required by subsection (a) shall be conditioned on the reservation of an easement by the Secretary of Agriculture, subject to such terms and conditions as the Secretary deems appropriate, necessary to provide access for use authorized by the Secretary of the four water wells in exist-
ence on the date of the enactment of this Act and associ-
ated water conveyance infrastructure on the parcel of Na-
tional Forest System lands to be conveyed.

(e) WITHDRAWAL.—The National Forest System
land described in subsection (a) is withdrawn from the op-
eration of the mining and mineral leasing laws of the
United States.

(f) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary of
Agriculture shall require the County to cover costs
(except costs for environmental remediation of the
property) to be incurred by the Secretary, or to re-
imburse the Secretary for such costs incurred by the
Secretary, to carry out the conveyance under sub-
section (a), including survey costs, costs for environ-
mental documentation, and any other administrative
costs related to the conveyance. If amounts are col-
lected from the County in advance of the Secretary
incurring the actual costs, and the amount collected
exceeds the costs actually incurred by the Secretary
to carry out the conveyance, the Secretary shall re-
fund the excess amount to the County.

(2) TREATMENT OF AMOUNTS RECEIVED.—
Amounts received as reimbursement under para-
graph (1) shall be credited to the fund or account
that was used to cover those costs incurred by the
Secretary of Agriculture in carrying out the convey-
ance. Amounts so credited shall be merged with
amounts in such fund or account, and shall be avail-
able for the same purposes, and subject to the same
conditions and limitations, as amounts in such fund
or account.

(g) **Environmental Remediation.**

(1) **In General.**—To expedite the conveyance
of the parcel of National Forest System land de-
scribed in subsection (a), including improvements
thereon, environmental remediation of the land by
the Department of the Air Force shall be limited to
the removal of the perimeter wooden fence, which
was treated with an arsenic-based weatherproof
coating, and treatment of soil affected by leaching of
such chemical.

(2) **Potential Future Environmental Rem-
ediation Responsibilities.**—Notwithstanding
the conveyance of the parcel of National Forest Sys-
tem land described in subsection (a), the Secretary
of the Air Force shall be responsible for the remedi-
ation of any environmental contamination, discov-
ered post-conveyance, that is attributed to Air Force
occupancy of and operations on the parcel pre-conveyance.

(h) COMPLIANCE WITH ENVIRONMENTAL LAWS.—Notwithstanding the requirements of section 120(h) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9620(h)), the Secretary of Agriculture shall not be required to provide any of the covenants and warranties otherwise required under such section in connection with the conveyance of the property under subsection (a).

(i) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property to be conveyed under subsection (a) shall be determined by a survey satisfactory to the Secretary of Agriculture.

SEC. 2836. TRANSFER OF ADMINISTRATIVE JURISDICTION, NAVAL SUPPORT ACTIVITY PANAMA CITY, FLORIDA, PARCEL.

(a) TRANSFER TO THE SECRETARY OF THE NAVY.—Administrative jurisdiction over the parcel of Federal land consisting of approximately 1.23 acres located within Naval Support Activity Panama City, Florida, and used by the Department of the Navy pursuant to Executive Order 10355 of May 26, 1952, and Public Land Order Number 952 of April 6, 1954, is transferred from the Secretary of the Interior to the Secretary of the Navy.
(b) **LAND SURVEY.**—The exact acreage and legal description of the Federal land transferred by subsection (a) shall be determined by a survey satisfactory to the Secretary of the Navy and the Secretary of the Interior.

(c) **CONSIDERATION AND REIMBURSEMENT.**—

(1) **NO CONSIDERATION.**—The transfer made by subsection (a) shall be without consideration.

(2) **REIMBURSEMENT.**—The Secretary of the Navy shall reimburse the Secretary of the Interior for any costs incurred by the Secretary of the Interior under subsection (b) in conducting the survey and preparing the legal description of the Federal land transferred by subsection (a).

(d) **STATUS OF LAND AFTER TRANSFER.**—Upon transfer of the Federal land by subsection (a), the land shall cease to be public land and shall be treated as property (as defined in section 102(9) of title 40, United States Code) under the administrative jurisdiction of the Secretary of the Navy.
Subtitle E—Military Land
Withdrawals

SEC. 2841. RENEWAL OF LAND WITHDRAWAL AND RESERVATION TO BENEFIT NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA.

Section 2925 of the El Centro Naval Air Facility Ranges Withdrawal Act (subtitle B of title XXIX of Public Law 104–201; 110 Stat. 2816) is amended by striking “25 years after the date of the enactment of this subtitle” and inserting “on November 6, 2046”.

SEC. 2842. RENEWAL OF FALLON RANGE TRAINING COMPLEX LAND WITHDRAWAL AND RESERVATION.

Notwithstanding section 3015 of the Military Lands Withdrawal Act of 1999 (title XXX of Public Law 106–65; 113 Stat. 892), the withdrawal and reservation of lands (known as the Fallon Range Training Complex) made by section 3011(a) of such Act (113 Stat. 885) shall terminate on November 6, 2046.

SEC. 2843. RENEWAL OF NEVADA TEST AND TRAINING RANGE LAND WITHDRAWAL AND RESERVATION.

Notwithstanding section 3015 of the Military Lands Withdrawal Act of 1999 (title XXX of Public Law 106–65; 113 Stat. 892), the withdrawal and reservation of
lands (known as the Nevada Test and Training Range) made by section 3011(b) of such Act (113 Stat. 886) shall terminate on November 6, 2046.

SEC. 2844. CO-MANAGEMENT, NEW MEMORANDUM OF UNDERSTANDING, AND ADDITIONAL REQUIREMENTS REGARDING NEVADA TEST AND TRAINING RANGE.

(a) DEFINITIONS.—In this section:

(1) The term “affected Indian tribe” means an Indian tribe that—

(A) has historical connections to the land withdrawn and reserved as the Nevada Test and Training Range; and

(B) retains a presence on lands near the Nevada Test and Training Range.

(2) The term “heavy force” means a military unit with armored motorized equipment, such as tanks, motorized artillery, and armored personnel carriers.

(3) The term “large force” means a military unit designated as a battalion or larger organizational unit.

(4) The term “Nevada Test and Training Range” means the lands known as the Nevada Test and Training Range withdrawn and reserved by sec-
tion 3011(b) of the Military Lands Withdrawal Act of 1999 (title XXX of Public Law 106–65; 113 Stat. 886).

(5) The term “new memorandum of understanding” means the memorandum of understanding required by subsection (c)(1).

(6) The term “overlapping lands” means the lands overlapping both the Nevada Test and Training Range and the Desert National Wildlife Refuge.

(7) The term “Secretaries” means the Secretary of the Air Force and the Secretary of the Interior acting jointly.

(8) The term “small force” means a military force of squad, platoon, or equivalent or smaller size.

(b) Co-Management of Federal Lands Overlapping Nevada Test and Training Range and Desert National Wildlife Refuge.—The Secretaries shall co-manage the overlapping lands for both military and wildlife refuge purposes.

(e) Memorandum of Understanding.—

(1) New MOU Required.—Not later than two years after the date of the enactment of this Act, the Secretaries shall prepare a memorandum of understanding regarding the management of the overlapping lands for the purpose of facilitating the co-man-
agement of the overlapping lands as required by sub-
section (b).

(2) Relation to Existing MOU.—The new
memorandum of understanding shall supersede the
memorandum of understanding referred to in sub-
paragraph (E) of section 3011(b)(5) of the Military
Lands Withdrawal Act of 1999 (title XXX of Public
Law 106–65; 113 Stat. 888). Clauses (ii), (iii), and
(iv) of such subparagraph shall apply to the new
memorandum of understanding in the same manner
as such clauses applied to the superseded memo-
randum of understanding.

(d) Elements of New Memorandum of Under-
standing.—

(1) In General.—Subject to the dispute reso-
lution process required by subsection (e), the new
memorandum of understanding shall include, at a
minimum, provisions to address the following:

(A) The proper management and protec-
tion of the natural and cultural resources of the
overlapping lands.

(B) The sustainable use by the public of
such resources to the extent consistent with ex-
isting laws and regulations, including applicable
environmental laws.
(C) The use of the overlapping lands for the military purposes for which the lands are withdrawn and reserved.

(2) Consultation.—The Secretaries shall prepare the new memorandum of understanding in consultation with the following:

(A) The resource consultative committee.

(B) Affected Indian tribes.

(3) Tribal Issues.—The new memorandum of understanding shall include provisions to address the manner in which the Secretary of the Air Force will accomplish the following:

(A) Meet the United States trust responsibilities with respect to affected Indian tribes, tribal lands, and rights reserved by treaty or Federal law affected by the withdrawal and reservation of the overlapping lands.

(B) Guarantee reasonable access to, and use by members of affected Indian tribes of high priority cultural sites throughout the Nevada Test and Training Range, including the overlapping lands, consistent with the reservation of the lands for military purposes.

(C) Protect identified cultural and archaeological sites throughout the Nevada Test and
Training Range, including the overlapping lands, and, in the event of an inadvertent ground disturbance of such a site, implement appropriate response activities to once again facilitate historic and subsistence use of the site by members of affected Indian tribes.

(D) Provide for timely consultation with affected Indian tribes as required by paragraph (2).

(4) DEPARTMENT OF THE INTERIOR ACCESS.—The new memorandum of understanding shall ensure that the Secretary of the Interior has regularly access to the overlapping lands to carry out the management responsibilities of the Secretary of the Interior regarding the Desert National Wildlife Refuge, including the following:

(A) The installation or maintenance of wildlife water development projects.

(B) The conduct of annual desert bighorn sheep surveys.

(D) The conduct of annual biological surveys for the Agassiz’s desert tortoise and other federally protected species, State-listed and at-risk species, migratory birds, golden eagle nests and rare plants.

(E) The conduct of annual invasive species surveys and treatment.

(F) The conduct of annual contaminant surveys of soil, springs, groundwater and vegetation.

(G) The regular installation and maintenance of climate monitoring systems.

(H) Such additional access opportunities, as needed, for wildlife research, including Global Positioning System collaring of desert bighorn sheep, bighorn sheep disease monitoring, investigation of wildlife mortalities, and deploying, maintaining, and retrieving output from wildlife camera traps.

(5) HUNTING, FISHING, AND TRAPPING.—The new memorandum of understanding shall include provisions to require that any hunting, fishing, and trapping on the overlapping lands is conducted in accordance with section 2671 of title 10, United States Code.
(6) **OTHER REQUIRED MATTERS.**—The new memorandum of understanding also shall include provisions regarding the following:

(A) The identification of current test and target impact areas and related buffer or safety zones, to the extent consistent with military purposes.

(B) The design and construction of all gates, fences, and barriers in the overlapping lands, to be constructed after the date of the enactment of this Act, in a manner to allow wildlife access, to the extent practicable and consistent with military security, safety, and sound wildlife management use.

(C) The incorporation of any existing management plans pertaining to the overlapping lands to the extent that the Secretaries, upon review of such plans, determine that incorporation into the new memorandum of understanding is appropriate.

(D) Procedures to ensure periodic reviews of the new memorandum of understanding are conducted by the Secretaries, and that the State of Nevada, affected Indian tribes, and the public are provided a meaningful opportunity to
comment upon any proposed substantial revisions.

(e) Resolution of Disputes.—

(1) Dispute Resolution Process.—The Secretary of the Air Force shall be responsible for the resolution of any dispute concerning the new memorandum of understanding or any amendment thereto.

(2) Consultation.—The Secretary of the Air Force shall make a decision under this subsection only after consultation with the Secretary of the Interior, acting through the Regional Director of the United States Fish and Wildlife Service, and the coordinator of the resource consultative committee.

(3) Goal.—The Secretary of the Air Force shall seek to resolve disputes under this subsection in a manner that provides the greatest access to the overlapping lands to the public and to other Federal agencies and is protective of cultural and natural resources to the greatest extent possible consistent with the purposes for which the overlapping lands are reserved.

(f) Resource Consultative Committee.—

(1) Establishment Required.—The Secretaries shall establish, pursuant to the new memo-
random of understanding, a resource consultative committee comprised of representatives from interested Federal agencies, as well as at least one elected officer (or other authorized representative) from the State of Nevada, and at least one elected officer (or other authorized representative) from each local and tribal government impacted by the Nevada Test and Training Range, as may be designated at the discretion of the Secretaries.

(2) PURPOSE.—The resource consultative committee shall be established solely for the purpose of exchanging views, information, and advice relating to the management of the natural and cultural resources of the Nevada Test and Training Range.

(3) OPERATIONAL BASIS.—The resource consultative committee shall operate in accordance with the terms set forth in the new memorandum of understanding, which shall specify the Federal agencies and elected officers or representatives of State, local, and tribal governments to be invited to participate. The memorandum of understanding shall establish procedures for creating a forum for exchanging views, information, and advice relating to the management of natural and cultural resources on the lands concerned, procedures for rotating the chair of
the committee, and procedures for scheduling regular meetings.

(4) COORDINATOR.—The Secretaries shall appoint an individual to serve as coordinator of the resource consultative committee. The duties of the coordinator shall be included in the new memorandum of understanding. The coordinator shall not be a member of the committee.

(g) AUTHORIZED AND PROHIBITED ACTIVITIES.—

(1) AUTHORIZED ACTIVITIES.—Military activities on the overlapping lands are authorized for the following purposes:

(A) Emergency response.

(B) Establishment and use of existing or new electronic tracking and communications sites.

(C) Establishment and use of drop zones.

(D) Use and maintenance of roads in existence as of the date of the enactment of this Act.

(E) Small force readiness training by Air Force, Joint, or Coalition forces, including training using small motorized vehicles both on- and off-road, in accordance with applicable interagency agreements.
(2) **PROHIBITED ACTIVITIES.**—Military activities on the overlapping lands are prohibited for the following purposes:

(A) Large force or heavy force activities.

(B) Designation of new weapon impact areas.

(C) Any ground disturbance activity not authorized by paragraphs (1) and (2) of subsection (e).

(3) **RULES OF CONSTRUCTION.**—Nothing in this subsection shall be construed to preclude—

(A) low-level overflights of military aircraft, the designation of new units of special use airspace, or the use or establishment of military flight training routes over the overlapping lands; or

(B) the Secretaries from entering into the new memorandum of understanding or any amendment thereto concerning the activities authorized by paragraph (1).

(h) **TRIBAL LIAISON POSITIONS.**—

(1) **ACCESS COORDINATOR.**—The Secretary of the Air Force shall create a tribal liaison position for the Nevada Test and Training Range, to be held by a member of an affected Indian tribe, who will help
coordinate access to cultural and archaeological sites throughout the Nevada Test and Training Range and accompany members of Indian tribes accessing such sites.

(2) CULTURAL RESOURCES LIAISON.—The Secretary of the Air Force shall create a tribal liaison position for the Nevada Test and Training Range, to be held by a member of an affected Indian tribe, who will serve as a tribal cultural resources liaison to ensure that—

(A) appropriate steps are being taken to protect cultural and archaeological sites throughout the Nevada Test and Training Range; and

(B) the management plan for the Nevada Test and Training Range is being followed.

(i) FISH AND WILDLIFE LIAISON.—The Secretaries shall create a Fish and Wildlife Service liaison position for the Nevada Test and Training Range, to be held by a Fish and Wildlife Service official designated by the Director of the United States Fish and Wildlife Service, who will serve as a liaison to ensure that—

(1) appropriate steps are being taken to protect Fish and Wildlife Service managed resources
throughout the Nevada Test and Training Range;

and

(2) the management plan for the Nevada Test
and Training Range is being followed.

SEC. 2845. SPECIFIED DURATION OF WHITE SANDS MISSILE
RANGE LAND WITHDRAWAL AND RESERVE-
TION AND ESTABLISHMENT OF SPECIAL RES-
ERVATION AREA FOR NORTHERN AND WEST-
ERN EXTENSION AREAS.

(a) Duration of Land Withdrawal and Res-
ervation.—The withdrawal and reservation of lands
(known as the White Sands Missile Range) made by sec-
tion 2951 of the Military Land Withdrawals Act of 2013
(title XXIX of Public Law 113–66; 127 Stat. 1039), and
the special reservation area established by this section,
shall terminate on October 1, 2046.

(b) Special Reservation Area.—

(1) Establishment.—There is hereby estab-
lished a special reservation area consisting of the ap-
proximately 341,415 acres of public land (including
interests in land) in Socorro and Torrance Counties,
New Mexico, and the approximately 352,115 acres
of public land (including interests in land) in Sierra,
Socorro, and Doña Ana Counties, New Mexico, de-
picted as Northern Call-Up Area and Western Call-
Up Area, respectively, on the maps entitled “WSMR Northern Call-Up Area” and “WSMR Western Call-Up Area”, both dated August 16, 2016. These lands include approximately 10,775 acres under the administrative jurisdiction of the Secretary of the Army.

(2) Reservation generally.—The special reservation area, excluding the portion of the special reservation area under the administrative jurisdiction of the Secretary of the Army, is reserved for use by the Secretary of the Army for military purposes consisting of overflight research, development, test, and evaluation and training.

(3) Army lands.—The portion of the special reservation area under the administrative jurisdiction of the Secretary of the Army is reserved for use by the Secretary of the Army for military purposes as determined by the Secretary of the Army.

(c) Exception from special reservation.—The Secretary of the Army may permit, on a case-by-case basis and consistent with section 44718 of title 49, United States Code, the erection in the special reservation area established by subsection (b) of a structure that extends higher than 50 feet in height above the surface estate.
(d) MAPS AND LEGAL DESCRIPTIONS.—Section 3012 of the Military Land Withdrawals Act of 2013 (title XXIX of Public Law 113–66; 127 Stat. 1026) shall apply with respect to the maps referred to in subsection (a) and the preparation of legal descriptions of the special reservation area established by subsection (b), except that the reference to the date of the enactment of that Act shall be deemed to refer to the date of the enactment of this Act.

(e) RULES OF CONSTRUCTION.—The establishment of the special reservation area by subsection (b) shall not be construed—

(1) to alter the terms, operation, or duration of any agreement entered into by the Secretary of the Army or the Secretary of the Interior involving any portion of the lands included in the special reservation area, and the Secretaries shall continue to comply with the terms of any such agreement; or

(2) to vest in the Secretary of the Army or the Secretary of the Interior any authority vested in the Secretary of Transportation or the Administrator of the Federal Aviation Administration.
Subtitle F—Asia-Pacific and Indo-Pacific Issues

SEC. 2851. CHANGE TO BIENNIAL REPORTING REQUIREMENT FOR INTERAGENCY COORDINATION GROUP OF INSPECTORS GENERAL FOR GUAM REALIGNMENT.

Section 2835(e)(1) of the Military Construction Authorization Act for Fiscal Year 2010 (division B of Public Law 111–84; 10 U.S.C. 2687 note) is amended—

(1) in the paragraph heading, by striking “ANNUAL” and inserting “BIENNIAL”; and

(2) in the matter preceding subparagraph (A)—

(A) by striking “February 1 of each year” and inserting “February 1, 2022, and every second February 1 thereafter”;

(B) by striking “fiscal year” and inserting “two fiscal years”; and

(C) by striking “such year” and inserting “such years”; and

(D) by striking “the year” and inserting “the years”. 
SEC. 2852. ADDITIONAL EXCEPTION TO RESTRICTION ON DEVELOPMENT OF PUBLIC INFRASTRUCTURE IN CONNECTION WITH REALIGNMENT OF MARINE CORPS FORCES IN ASIA-PACIFIC REGION.

Notwithstanding section 2821(b) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 10 U.S.C. 2687 note), the Secretary of Defense may proceed with the public infrastructure project on Guam intended to provide a new public health laboratory, as identified in the report prepared by the Secretary of Defense under section 2822(d)(2) of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113–66; 127 Stat. 1017) and entitled “Economic Adjustment Committee Implementation Plan Supporting the Preferred Alternative for the Relocation of Marine Corps Forces to Guam”, subject to the availability of funds for the project.

SEC. 2853. DEVELOPMENT OF MASTER PLAN FOR INFRASTRUCTURE TO SUPPORT ROTATIONAL ARMED FORCES IN AUSTRALIA.

(a) MASTER PLAN REQUIRED.—The Secretary of Defense shall develop a master plan for the construction of infrastructure required to support the rotational presence of units and members the United States Armed Forces in the Northern Territory of the Commonwealth
of Australia (in this section referred to as the “Northern Territory”).

(b) MASTER PLAN ELEMENTS.—The master plan shall include the following:

(1) A list and description of the scope, cost, and schedule for each military construction, repair, or other infrastructure project carried out at installations or training areas in the Northern Territory since October 1, 2011.

(2) A list and description of the scope, cost, and schedule for each military construction, repair, or other infrastructure project anticipated to be necessary at installations or training areas in the Northern Territory during the 10-year period beginning on the date of the enactment of this Act.

(3) The site plans for each installation and training area in the Northern Territory.

(4) For each project included in the master plan pursuant to paragraph (1) or (2), an explanation of—

(A) whether the proponent of the project was the Secretary of a military department, a combat support agency, a combatant command, or the Commonwealth of Australia; and
(B) the funding source, or anticipated resource sponsor, for the project, including whether the project is funded by the United States, by the Commonwealth of Australia, or jointly by both countries.

(5) Such other issues as determined by the Secretary of Defense to be appropriate.

(c) COORDINATION.—The Secretary of Defense shall coordinate with the Commander of United States Indo-Pacific Command and the Secretaries of the military departments to develop the master plan.

(d) REPORT REQUIREMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing a copy of the master plan. The report shall be submitted in unclassified form, but may include a classified annex.

SEC. 2854. STUDY AND STRATEGY REGARDING BULK FUELS MANAGEMENT IN UNITED STATES INDO-PACIFIC COMMAND AREA OF RESPONSIBILITY.

(a) FINDINGS.—Congress makes the following findings:

(1) The ordering and delivery of bulk fuels is organizationally bifurcated to the detriment of the Department of Defense.
(2) Legacy bulk fuel management will not meet the accelerated pace of operations required to support the National Defense Strategy and the emphasis on disaggregated operations.

(3) The number of United States flagged tanking vessels continues to decline, which has resulted in an excessive reliance on foreign flagged tanking vessels to be available to support the National Defense Strategy.

(4) A foreign flagged tanking vessel support strategy induces excessive risk to support United States disaggregated operations in a highly contested environment.

(5) The inadequacies of the legacy bulk fuel management strategy is particularly acute in the United States Indo-Pacific Command Area of Responsibility.

(b) SENSE OF CONGRESS.—It is the sense of Congress that a single organizational element should be responsible for the bulk fuel management and delivery throughout the United States Indo-Pacific Command Area of Responsibility.

(e) STUDY AND STRATEGY REQUIRED.—The Secretary of the Navy shall—
(1) conduct a study of current and projected bulk fuel management strategies in the United States Indo-Pacific Command Area of Responsibility; and

(2) prepare a proposed bulk fuel management strategy that optimally supports bulk fuel management in the United States Indo-Pacific Command Area of Responsibility.

(d) ELEMENTS OF STUDY.—The study required by subsection (c) shall include the following elements:

(1) A description of current organizational responsibility of bulk fuel management in the United States Indo-Pacific Command Area of Responsibility from ordering, storage, strategic transportation, and tactical transportation to the last tactical mile.

(2) A description of legacy bulk fuel management assets that can be used to support the United States Indo-Pacific Command.

(3) Options for congressional consideration to better align organizational responsibility through the entirety of the bulk fuel management system in the United States Indo-Pacific Command Area of Responsibility, as proposed in the bulk fuel management strategy prepared pursuant to paragraph (2) of such subsection.
(e) COORDINATION.—The Secretary of the Navy shall conduct the study and prepare the bulk fuel management strategy required by subsection (c) in coordination with subject-matter experts of the United States Indo-Pacific Command, the United States Transportation Command, and the Defense Logistics Agency.

(f) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report containing the results of the study required by subsection (c) and the bulk fuel management strategy required by such subsection.

(g) PROHIBITION ON CERTAIN CONSTRUCTION PENDING REPORT.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 for the Navy for construction related to additional bulk fuel storage in the United States Indo-Pacific Command Area of Responsibility may be obligated or expended until the report required by subsection (f) is submitted to the congressional defense committees.
Subtitle G—Other Matters

SEC. 2861. DEFENSE COMMUNITY INFRASTRUCTURE PROGRAM.

(a) PRIORITY OF COMMUNITY INFRASTRUCTURE PROJECTS.—Section 2391(d)(1) of title 10, United States Code, is amended—

(1) by inserting “(A)” after “(1)”;

(2) by striking “, if the Secretary determines that such assistance will enhance the military value, resilience, or military family quality of life at such military installation”; and

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

“(B) The Secretary shall establish criteria for the selection of community infrastructure projects to receive assistance under this subsection, including selection of community infrastructure projects in the following order of priority:

“(i) Projects that will enhance military installation resilience.

“(ii) Projects that will enhance military value at a military installation.

“(iii) Projects that will enhance military family quality of life at a military installation.”.
(b) COST-SHARING REQUIREMENTS.—Paragraph (2) of section 2391(d) of title 10, United States Code, is amended to read as follows:

“(2)(A) The criteria established for the selection of community infrastructure projects to receive assistance under this subsection shall include a requirement that, except as provided in subparagraph (B), the State or local government agree to contribute not less than 30 percent of the funding for the community infrastructure project.

“(B) If a proposed community infrastructure project will be carried out in a rural area or the Secretary of Defense determines that a proposed community infrastructure project is advantageous for reasons related to national security, the Secretary—

“(i) shall not penalize a State or local government for offering to make a contribution of 30 percent or less of the funding for the community infrastructure project; and

“(ii) may reduce the requirement for a State or local government contribution to 30 percent or less or waive the cost-sharing requirement entirely.”.

(c) SPECIFIED DURATION OF PROGRAM.—Section 2391(d)(4) of title 10, United States Code, is amended by striking “upon the expiration of the 10-year period which begins on the date of the enactment of the National
Defense Authorization Act for Fiscal Year 2019” and inserting “on September 30, 2028”.

SEC. 2862. PILOT PROGRAM ON REDUCTION OF EFFECTS OF MILITARY AVIATION NOISE ON CERTAIN COVERED PROPERTY.

(a) In General.—The Secretary of Defense shall carry out a five-year pilot program under which the commander of a military installation may provide funds for the purpose of installing noise insulation on covered property impacted by military aviation noise from aircraft utilizing the installation.

(b) Cost Sharing Requirement.—To be eligible to receive funds under the pilot program, a recipient shall enter into an agreement with the commander to cover at least 50 percent of the cost to acquire and install the noise insulation for the covered property.

(c) Noise Reduction Threshold.—To be eligible to receive funds under the pilot program, the commander must determine that, if noise insulation is installed as requested, noise at the covered property would be reduced by at least five dB.

(d) Other Funding Limitations.—Funds provided under the pilot program shall be used for the installation of noise insulation for covered property—
(1) located within a Department of Defense noise contour between 65 dB day-night average sound level and 75 dB day-night average sound level as validated on a National Environmental Policy Act-compliant assessment within the past three years; and

(2) where interior noise has been measured at 45 dB day-night average sound level by the installation.

e) GOALS AND BEST PRACTICES.—In carrying out the pilot program, a commander shall pursue the following goals and use the following best practices:

(1) Minimize cost in order to maximize the quantity of covered property served.

(2) Focus efforts on covered property newly impacted by increased noise levels.

(f) COVERED PROPERTY DEFINED.—For purposes of the pilot program, the term “covered property” means the following:

(1) A private residence.

(2) A hospital.

(3) A daycare facility.

(4) A school.

(5) A facility whose primary purpose is serving senior citizens.
(g) Condition on Commencement.—Commencement of the pilot program shall be subject to the availability of appropriations for the program.

SEC. 2863. DEPARTMENT OF DEFENSE POLICY FOR REGULATION OF DANGEROUS DOGS IN MILITARY COMMUNITIES.

(a) Policy Required.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, through the Veterinary Service Activity of the Department of Defense, shall establish a standardized policy applicable across all military communities for the regulation of dangerous dogs that is—

(1) breed-neutral; and

(2) consistent with advice from professional veterinary and animal behavior experts in regard to effective regulation of dangerous dogs.

(b) Regulations.—

(1) In General.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall prescribe regulations implementing the policy established under subsection (a).

(2) Best Practices.—The regulations prescribed under paragraph (1) shall include strategies, for implementation within all military communities,
for the prevention of dog bites that are consistent with the following best practices:

(A) Enforcement of comprehensive, nonbreed-specific regulations relating to dangerous dogs, with emphasis on identification of dangerous dog behavior and chronically irresponsible owners.

(B) Enforcement of animal control regulations, such as leash laws and stray animal control policies.

(C) Promotion and communication of resources for pet spaying and neutering.

(D) Investment in community education initiatives, such as teaching criteria for pet selection, pet care best practices, owner responsibilities, and safe and appropriate interaction with dogs.

(c) Definitions.—In this section:

(1) The term “dangerous dog” means a dog that—

(A) has attacked a person or another animal without justification, causing injury or death to the person or animal; or

(B) exhibits behavior that reasonably suggests the likely risk of such an attack.
(2) The term “military communities” means—
   (A) all installations of the Department;
   and
   (B) all military housing, including
   privatized military housing under subchapter IV
   of chapter 169 of title 10, United States Code.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

SEC. 2901. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Navy may acquire real property and carry out the military construction projects for the installation outside the United States, and in the amount, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>Rota</td>
<td>$59,230,000</td>
</tr>
</tbody>
</table>

SEC. 2902. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Air Force may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
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<tr>
<td></td>
<td>Spangdahlem Air Base</td>
<td>$25,824,000</td>
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1257

Air Force: Outside the United States—Continued

<table>
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<tr>
<th>Country</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Romania</td>
<td>Campia Turzii</td>
<td>$130,500,000</td>
</tr>
</tbody>
</table>

SEC. 2903. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2020, for the military construction projects outside the United States authorized by this title as specified in the funding table in section 4602.

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.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2021 for the activities of the National Nuclear Security Administration in carrying out programs as specified in the funding table in section 4701.
(b) AUTHORIZATION OF NEW PLANT PROJECTS.—

From funds referred to in subsection (a) that are available for carrying out plant projects, the Secretary of Energy may carry out new plant projects for the National Nuclear Security Administration as follows:


Project 21–D–511, Savannah River Plutonium Processing Facility, Savannah River Site, Aiken, South Carolina, $241,896,000.

Project 21–D–512, Plutonium Pit Production Project, Los Alamos National Laboratory, Los Alamos, New Mexico, $116,900,000 for planning and design and $79,100,000 for construction.

Project 21–D–530, Steam and Condensate Upgrade, Knolls Atomic Power Laboratory, Schenectady, New York, $50,200,000.

General Purpose Project, TA–15 Dual-Axis Radiographic Hydrodynamic Test facility, Hydro Vessel Repair facility, Los Alamos National Laboratory, Los Alamos, New Mexico, $16,491,000.

General Purpose Project, U1a.03 Test Bed Facility Improvements, Nevada National Security Site, Mercury, Nevada, $16,000,000.
SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.

(a) Authorization of Appropriations.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2021 for defense environmental cleanup activities in carrying out programs as specified in the funding table in section 4701.

(b) Authorization of New Plant Projects.—From funds referred to in subsection (a) that are available for carrying out plant projects, the Secretary of Energy may carry out, for defense environmental cleanup activities, the following new plant projects:

Project 21–D–401, Hoisting Capability Project, Waste Isolation Pilot Plant, Carlsbad, New Mexico, $10,000,000.

SEC. 3103. OTHER DEFENSE ACTIVITIES.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2021 for other defense activities in carrying out programs as specified in the funding table in section 4701.

SEC. 3104. NUCLEAR ENERGY.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2021 for nuclear energy as specified in the funding table in section 4701.
Subtitle B—Program Authorizations, Restrictions, Limitations, and Other Matters

SEC. 3111. NUCLEAR WARHEAD ACQUISITION PROCESSES.

(a) Sense of Congress.—It is the sense of Congress that—

(1) in its 25th year, the science-based Stockpile Stewardship Program established under section 4201 of the Atomic Energy Defense Act (50 U.S.C. 2521) has succeeded in providing the United States with a credible nuclear deterrent in the absence of nuclear explosive testing;

(2) maintaining global moratoria on nuclear explosive testing is in the national security interest of the United States;

(3) a robust, second-to-none science and technology enterprise is required to maintain and certify the nuclear weapons stockpile of the United States; and

(4) the National Nuclear Security Administration must continue to improve program management and execution of the major acquisition programs of the Administration.

(b) Requirements.—
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(1) PHASES.—Subtitle A of title XLII of the Atomic Energy Defense Act (50 U.S.C. 4201 et seq.) is amended by adding at the end the following new section:

“SEC. 4223. REQUIREMENTS FOR CERTAIN JOINT NUCLEAR WEAPONS LIFE CYCLE PHASES.

“(a) DESIGN AND ENGINEERING REQUIREMENTS.—The Administrator shall ensure the following:

“(1) The national security laboratories engage in peer review of proposed designs of nuclear weapons.

“(2) The nuclear weapons production facilities are involved early and often during the design and engineering process of nuclear weapons in order to take into account how such design and engineering will affect the production of the nuclear weapons.

“(b) REQUIREMENTS AFTER PHASE 1.—After the Administrator completes phase 1 of the joint nuclear weapons life cycle for a nuclear weapon, the Nuclear Weapons Council shall submit to the congressional defense committees a report containing the following:

“(1) A description of the potential military characteristics of the nuclear weapon.

“(2) A description of the stockpile-to-target sequence requirements of the nuclear weapon.
“(3) A description of any other requirements of the Administration or the Department of Energy that will affect the nuclear weapon, including the first product unit date, the initial operational capability date, the final operational capability date, or requirements relating to increased safety and surety.

“(4) Initial assessments of the effect to the nuclear security enterprise workforce and any required new or recapitalized major facilities or capabilities relating to the nuclear weapon.

“(c) Requirements Entering Into Phase 2.—

Not later than 15 days after the date on which the Nuclear Weapons Council approves a nuclear weapon for phase 2 of the joint nuclear weapons life cycle, the Administrator shall submit to the congressional defense committees a plan to implement an independent peer-review process, a board of experts, or both, with respect to the non-nuclear weapon component and subsystem design and engineering aspects of such nuclear weapon. The Administrator shall ensure that such process—

“(1) uses all relevant capabilities of the Federal Government, the defense industrial base, and academia, and other capabilities that the Administrator determines necessary; and
“(2) informs the entire development life cycle of such nuclear weapon.

“(d) REQUIREMENTS ENTERING INTO PHASE 3.—

“(1) INDEPENDENT COST ASSESSMENT.—Before the Nuclear Weapons Council approves a nuclear weapon for phase 3 of the joint nuclear weapons life cycle, the Administrator shall ensure that an independent cost assessment is conducted for phase 3 that includes assigning a percentage of confidence level with respect to the Administrator being able to carry out phase 3 within the estimated schedule and cost objectives.

“(2) CERTIFICATIONS AND REPORTS.—Not later than 15 days after the date on which the Nuclear Weapons Council approves a nuclear weapon for phase 3 of the joint nuclear weapons life cycle—

“(A) the Administrator shall certify to the congressional defense committees that—

“(i) the joint nuclear weapons life cycle process for phases 1 through 5 of the nuclear weapon has equal or greater rigor as the life extension process under each part of phase 6; and

“(ii) the level of design and technology maturity of the proposed design of
the nuclear weapon can be carried out
within the estimated schedule and cost ob-
jectives specified in the cost assessment
under paragraph (1); and
“(B) the Commander of the United States
Strategic Command shall submit to the con-
gressional defense committees a report con-
taining—
“(i) the specific warhead requirements
for the delivery system of the nuclear
weapon, including such planned require-
ments during the 15-year period following
the date of the report; and
“(ii) an identification of the tail num-
bers of the warheads for that delivery sys-
tem that may require life extensions, be re-
tired, or be altered during such period, and
a description of the considerations for de-
ciding on such actions.
“(e) WAIVERS.—Subsections (b) through (d) may be
waived during a period of war declared by Congress after
the date of the enactment of the National Defense Author-
ization Act for Fiscal Year 2021.
“(f) JOINT NUCLEAR WEAPONS LIFE CYCLE DE-
FINED.—In this section, the term ‘joint nuclear weapons
life cycle’ has the meaning given that term in section 4220.”.

(2) Clerical Amendment.—The table of contents for the Atomic Energy Defense Act is amended by inserting after the item relating to section 4222 the following new item:

“Sec. 4223. Requirements for certain joint nuclear weapons life cycle phases.”.

(c) Selected Acquisition Reports and Independent Cost Estimates.—Section 4217(b)(1) of such Act (50 U.S.C. 2537(b)(1)) is amended—

(1) in subparagraph (A)—

(A) in clause (i), by striking “phase 6.2A” and inserting “phase 2A and phase 6.2A”;

(B) in clause (ii), by striking “phase 6.3” and inserting “phase 3 and phase 6.3”; and

(C) in clause (iii)—

(i) by striking “phase 6.4” and inserting “phase 4 and phase 6.4”; and

(ii) by striking “phase 6.5” and inserting “phase 5 and phase 6.5”; and

(2) in subparagraph (B), by striking “phase 6.2” and inserting “phase 2 and phase 6.2”.

(d) Report.—Not later than 120 days after the date of the enactment of this Act, the Director for Cost Estimating and Program Evaluation of the National Nuclear Security Administration shall submit to the congressional
defense committees a report containing recommendations
to strengthen governance, program execution, and pro-
gram management controls with respect to the process of
the joint nuclear weapons life cycle (as defined in section
4220 of the Atomic Energy Defense Act (50 U.S.C.
2538b).

SEC. 3112. UNCOSTED AND UNOBLIGATED AMOUNTS OF NA-
TIONAL NUCLEAR SECURITY ADMINISTRA-
TION.

Section 3251(b) of the National Nuclear Security Ad-
ministration Act (50 U.S.C. 2451(b)) is amended by add-
ing at the end the following new paragraph:

“(3) In the budget justification materials for each of
fiscal years 2022 through 2026 submitted to Congress in
support of each such budget, the Administrator shall in-
clude a detailed description of the uncosted and unobli-
gated amounts that the Administrator maintains, listed by
the year for which the amounts were appropriated, includ-
ing—

“(A) the gross uncosted and unobligated
amounts for each individual program element (using
thresholds specified in the report submitted by the
Secretary of Energy to Congress titled ‘Report on
Uncosted Balances for Fiscal Year Ended Sep-
tember 30, 2014’); and
“(B) an explanation for why the uncosted and
unobligated amounts have not been expended.”.

SEC. 3113. EXTENSION OF LIMITATION RELATING TO RE-
CLASSIFICATION OF HIGH-LEVEL WASTE.

Section 3121 of the National Defense Authorization
Act for Fiscal Year 2020 (Public Law 116–92; 133 Stat.
1953) is amended by striking “fiscal year 2020” and in-
serting “fiscal year 2020 or fiscal year 2021”.

SEC. 3114. EXTENSION OF PILOT PROGRAM ON UNAVAIL-
ABILITY FOR OVERHEAD COSTS OF AMOUNTS
SPECIFIED FOR LABORATORY-DIRECTED RE-
SEARCH AND DEVELOPMENT.

Section 3119 of the National Defense Authorization
Act for Fiscal Year 2017 (Public Law 114–328; 50 U.S.C.
2791 note) is amended—

(1) in subsection (c)(2), by striking “four” and
inserting “five”; and

(2) in subsection (d), by striking “February 15,
2020” and inserting “December 31, 2020”.

SEC. 3115. PLUTONIUM PIT PRODUCTION.

(a) INDEPENDENT COST ESTIMATE.—

(1) REQUIREMENT.—The Secretary of Energy
shall conduct an independent cost estimate of the
Savannah River Plutonium Processing Facility
project in accordance with Department of Energy

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Directive 413.3b, as in effect on the date of the enactment of this Act.

(2) CONFIDENCE LEVEL.—The assessment under paragraph (1) shall assign a percentage of confidence level with respect to the Secretary being able to carry out the Facility project within the estimated schedule and cost objectives.

(3) SUBMISSION.—The Secretary shall submit to the congressional defense committees the independent cost estimate under paragraph (1).

(b) CONDITIONAL REPORTS AND CERTIFICATIONS.—

(1) LOW CONFIDENCE.—If the assessment under subsection (a) assigns a confidence level below 90 percent pursuant to paragraph (2) of such subsection—

(A) the Secretary shall submit to the congressional defense committees the report described in paragraph (2); and

(B) the Commander of the United States Strategic Command shall certify to such committees that either—

(i) the requirement to produce not less than 80 war reserve plutonium pits during 2030 pursuant to section 4219 of the Atomic Energy Defense Act (50 U.S.C.
2538a) cannot be extended by up to five years without causing a grave threat to the national security of the United States, taking into account options for temporarily surging the production of such pits at Los Alamos National Laboratory and other mitigation strategies available to the Commander; or

(ii) such requirement can be so extended without causing a grave threat to the national security of the United States.

(2) REPORT.—The report described in this paragraph is a report by the Secretary that contains either of the following:

(A) A certification by the Secretary, without delegation, that, notwithstanding the confidence level contained in the assessment under subsection (a), the Secretary has a confidence level of 90 percent or greater with respect to being able to carry out the Facility project within the estimated schedule and cost objectives.

(B) If the Secretary cannot make the certification under subparagraph (A), a plan by the Secretary to achieve such a confidence level
of 90 percent or greater, including with respect to changing the costs, schedule, and scope of the Facility project.

SEC. 3116. PROGRAM FOR RESEARCH AND DEVELOPMENT OF ADVANCED NAVAL NUCLEAR FUEL SYSTEM BASED ON LOW-ENRICHED URANIUM.

(a) Establishment.—Not later than 60 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall establish a program to assess the viability of using low-enriched uranium in naval nuclear propulsion reactors, including such reactors located on aircraft carriers and submarines, that meet the requirements of the Navy.

(b) Activities.—In carrying out the program under subsection (a), the Administrator shall carry out activities to develop an advanced naval nuclear fuel system based on low-enriched uranium, including activities relating to—

(1) down-blending of high-enriched uranium into low-enriched uranium;

(2) manufacturing of candidate advanced low-enriched uranium fuels;

(3) irradiation tests and post-irradiation examination of these fuels; and

(4) modification or procurement of equipment and infrastructure relating to such activities.
(c) REPORT.—Not later than 120 days after the date of the enactment of this Act, the Administrator shall submit to the congressional defense committees a plan outlining the activities the Administrator will carry out under the program established under subsection (a), including the funding requirements associated with developing a low-enriched uranium fuel.

SEC. 3117. INDEPENDENT STUDY ON EFFECTS OF USE OF NUCLEAR WEAPONS.

(a) STUDY.—The Administrator for Nuclear Security shall seek to enter into an agreement with the National Academies of Sciences, Engineering, and Medicine under which the National Academies conduct a study on the atmospheric effects of nuclear explosions.

(b) MATTERS INCLUDED.—The study under subsection (a) shall include the following:

(1) An evaluation of the non-fallout atmospheric effects of likely and plausible scenarios for nuclear war, ranging from relatively small, regional exchanges to large exchanges associated with nuclear war between major powers.

(2) An examination of the effects evaluated under paragraph (1) by—

(A) the yield, type, and number of nuclear weapons;
(B) the types and locations of targets;
(C) the time distribution of the explosions;
(D) the atmospheric conditions; and
(E) other factors that may have a signifi-
cant impact on the effects.

(3) An assessment of current models of nuclear
explosions, including with respect to—
(A) the fires such explosions may cause;
(B) the atmospheric transport of the gases
from such explosions;
(C) the radioactive material from such ex-
plosions; and
(D) the soot and other debris from such
explosions and fires, the atmospheric effects of
such soot and debris, and the consequences of
such effects, including the consequences relating
to extreme weather, air pollution, stratospheric
ozone, agriculture, and marine and terrestrial
ecosystems.

(4) Identification of the capabilities and limita-
tions of the models described in paragraph (3) for
assessing the impacts of nuclear war, including—
(A) an evaluation of the relevant uncer-
tainties;
(B) a highlight of the key data gaps; and
(C) recommendations for how such models

   can be improved to inform decision making.

(c) Report.—

   (1) In general.—Not later than 18 months

   after the date of the enactment of this Act, the Na-

   tional Academies shall submit to the Administrator

   for National Security and the congressional defense

   committees a report on the study under subsection

   (a).

   (2) Form.—The report under paragraph (1)

   shall be submitted in unclassified form, but may in-

   clude a classified annex.

(d) Information.—The Secretary of Defense shall

provide to the National Academies the information of the

Department of Defense necessary for the National Acad-

dies to conduct the study under subsection (a), including

information relating to relevant scenarios described in sub-

section (b).

SEC. 3118. REPORTS ON DIVERSITY OF CERTAIN CON-

TRACTOR EMPLOYEES OF NATIONAL NU-

CLEAR SECURITY ADMINISTRATION.

(a) Annual Reports.—Not later than December

31, 2020, and each year thereafter through 2022, the Ad-

ministrator for Nuclear Security shall submit to the con-

gressional defense committees a report on the diversity of
contractor employees of the National Nuclear Security Administration.

(b) MATTERS INCLUDED.—Subject to subsection (c), each report under subsection (a) shall include, for each covered element of the Administration, the following:

(1) With respect to the fiscal year covered by the report and the previous fiscal year, demographic data of—

(A) the contractor employees of the covered element;

(B) the contractor employees hired at the covered element during each such year; and

(C) the contractor employees of the covered element who voluntarily separated during each such year.

(2) A breakdown of the data under paragraph (1) by each position in the common occupational classification system.

(3) A description of the plan to increase diversity at the covered element, and how such plan responds to any trends identified with respect to the data under paragraph (1).

(4) An identification of the official of the covered element responsible for implementing such plan and a description of how the person determines
whether the covered element is meeting the goals of the plan.

(5) A description of the training resources relating to diversity, equality, and inclusion are available to contractor employees of the covered element with hiring authority, and an identification of how many such contractor employees have been trained.

(c) DATA.—The Administrator shall carry out this section using data that is—

(1) otherwise available to the Administrator and to the management and operating contractors of the nuclear security enterprise; and

(2) collected in accordance with applicable regulations of the Equal Employment Opportunity Commission, regulations of the Office of Federal Contract Compliance Programs of the Department of Labor, and applicable provisions of Federal law on privacy.

(d) PUBLICATION.—The Administrator shall make publicly available on the internet website of the Department of Energy each report under subsection (a), subject to the regulations and Federal law specified in subsection (c)(2).

(e) DEFINITIONS.—In this section:
The term “contractor employee” means an employee of a management and operating contractor of the nuclear security enterprise.

The term “covered element” means each national security laboratory and nuclear weapons production facility (as such terms are defined in section 3281 of the National Nuclear Security Administration Act (50 U.S.C. 2471)).

The term “nuclear security enterprise” has the meaning that term in section 3281 of the National Nuclear Security Administration Act (50 U.S.C. 2471)).

SEC. 3119. FINDINGS, PURPOSE, AND APOLOGY RELATING TO FALLOUT EMITTED DURING THE GOVERNMENT'S ATMOSPHERIC NUCLEAR TESTS.

SEC. 3120. SENSE OF CONGRESS REGARDING URANIUM MINING AND NUCLEAR TESTING.

It is the sense of Congress that the United States should compensate and recognize all of the miners, workers, downwinders, and others suffering from the effects of uranium mining and nuclear testing carried out during the Cold War.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

SEC. 3201. AUTHORIZATION.

There are authorized to be appropriated for fiscal year 2021, $28,836,000 for the operation of the Defense Nuclear Facilities Safety Board under chapter 21 of the Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

TITLE XXXIV—NAVAL PETROLEUM RESERVES

SEC. 3401. AUTHORIZATION OF APPROPRIATIONS.

(a) Amount.—There are hereby authorized to be appropriated to the Secretary of Energy $13,006,000 for fiscal year 2021 for the purpose of carrying out activities under chapter 869 of title 10, United States Code, relating to the naval petroleum reserves.

(b) Period of Availability.—Funds appropriated pursuant to the authorization of appropriations in subsection (a) shall remain available until expended.
TITLE XXXV—MARITIME
MATTERS
Subtitle A—Maritime Administration

SEC. 3501. AUTHORIZATION OF THE MARITIME ADMINISTRATION.

(a) Fiscal Year 2021 Authorization.—There are authorized to be appropriated to the Department of Transportation for fiscal year 2021, to be available without fiscal year limitation if so provided in appropriations Acts, for programs associated with maintaining the United States merchant marine, the following amounts:

(1) For expenses necessary for operations of the United States Merchant Marine Academy, $81,944,000, of which—

(A) $76,444,000 shall be for Academy operations; and

(B) $5,500,000 shall remain available until expended for capital asset management at the Academy.

(2) For expenses necessary to support the State maritime academies, $37,700,000, of which—

(A) $2,400,000 shall remain available until September 30, 2021, for the Student Incentive Program; and
(B) $30,500,000 shall remain available until expended for maintenance and repair of State maritime academy training vessels.

(3) For expenses necessary to support the National Security Multi-Mission Vessel Program, $388,815,000, which shall remain available until expended.

(4) For expenses necessary to support Maritime Administration operations and programs, $55,853,000.

(5) For expenses necessary to dispose of vessels in the National Defense Reserve Fleet, $4,200,000, which shall remain available until expended.

(6) For expenses necessary to maintain and preserve a United States flag merchant marine to serve the national security needs of the United States under chapter 531 of title 46, United States Code, $494,008,000.

(7) For expenses necessary for the loan guarantee program authorized under chapter 537 of title 46, United States Code, $33,000,000, of which—

(A) $30,000,000 may be used for the cost (as defined in section 502(5) of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a(5))) of loan guarantees under the program; and
(B) $3,000,000 may be used for adminis-
trative expenses relating to loan guarantee com-
mitments under the program.

(8) For expenses necessary to provide small
shipyards and maritime communities grants under
section 54101 of title 46, United States Code,
$20,000,000.

(b) AMOUNT OF FISCAL YEAR 2021 CONTRACTOR
PAYMENTS UNDER OPERATING AGREEMENTS.—Section
53106(a)(1)(B) of title 46, United States Code, is amend-
ed by striking “$5,233,463” and inserting “$8,233,463”.

(c) CONFORMING AMENDMENT.—Section 53111(2)
of title 46, United States Code, is amended by striking
“$314,007,780” and inserting “$494,008,000”.

SEC. 3502. SENSE OF CONGRESS REGARDING ROLE OF DO-
MESTIC MARITIME INDUSTRY IN NATIONAL
SECURITY.

(a) FINDINGS.—Congress makes the following find-
ings:

(1) The United States domestic maritime indus-
try, with a fleet of nearly 40,000 vessels, supports
nearly 650,000 American jobs and provides more
than $150,000,000 in annual economic output.

(2) The vessel innovations of the domestic
trades that transformed worldwide maritime com-
merce include the development of container ships, self-unloading vessels, articulated tug-barges, trailer barges, chemical parcel tankers, railroad-on-barge carfloats, and river flotilla towing systems.

(3) The domestic fleet is essential to national security is needed to crew United States Government-owned and other sealift vessels to protect the Nation.

(4) The Department of Defense and the entire national security infrastructure of the United States benefits from a robust commercial shipyard and ship repair industry, which helps provide both economic and military sealift support.

(5) The Department of Defense depends on the United States domestic trades’ fleet of container ships, roll-on/roll-off ships, product tankers, and other vessels to assist with the flow of military cargoes during both peace time and war time.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) United States coastwise trade laws promote a strong domestic trade maritime industry, which supports the national security and economic vitality of the United States and the efficient operation of the United States transportation system; and
(2) a strong commercial maritime industry makes the United States more secure.

SEC. 3503. NONAPPLICABILITY OF REQUIREMENT RELATING TO MINIMUM NUMBER OF OPERATING DAYS FOR VESSELS OPERATING UNDER MSP OPERATING AGREEMENTS.

Notwithstanding part 296 of title 46, Code of Federal Regulations, until December 31, 2020, or upon the written determination of the Secretary of Transportation until June 31, 2021, the operator of a vessel operating such vessel under an MSP Operating Agreement (as such term is defined in section 296.2 of title 46, Code of Federal Regulations)—

(1) shall not be required to comply with any requirement with respect to operating days (as such term is defined in such section) contained in such agreement; and

(2) shall maintain such vessel in a state of operational readiness, including through the employment of the vessel’s crew complement, until the applicable date.

SEC. 3504. IMPROVEMENTS TO PROCESS FOR WAIVING NAVIGATION AND VESSEL-INSPECTION LAWS.

(a) IMPROVEMENTS TO WAIVER PROCESS.—Section 501 of title 46, United States Code, is amended—
in subsection (a), by adding “to address an immediate adverse effect on military operations” after “national defense”;

(2) in subsection (b)—

(A) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively;

(B) by inserting after paragraph (1) the following new paragraph:

“(2) DURATION OF WAIVER.—

“(A) IN GENERAL.—Subject to subparagraphs (B) and (C), a waiver issued under this subsection shall be for a period of not more than 10 days.

“(B) WAIVER EXTENSION.—Upon the termination of the period of a waiver issued under this subsection, the head of an agency may extend the waiver for an additional period of not more than 10 days, if the Maritime Administrator makes the determinations referred to in paragraph (1).

“(C) AGGREGATE DURATION.—The aggregate duration of the period of all waivers and extensions of waivers under this subsection with respect to any one set of events shall not exceed 45 days.”; and
(C) in paragraph (4), as so redesignated—

(i) in subparagraph (B)(ii), by striking “paragraph (2)(A)” and inserting “paragraph (3)(A)”; and

(ii) by adding at the end the following new subparagraph:

“(C) Notification required for extensions.—For purposes of this paragraph, an extension requested or issued under paragraph (2)(B) shall be treated in the same manner as a waiver requested or issued under this section.”;

(3) by redesignating subsection (c) as subsection (d); and

(4) by inserting after subsection (b) the following new subsection:

“(c) Report.—

“(1) In general.—Not later than 10 days after the date of the conclusion of the voyage of a vessel that, during such voyage, operated under a waiver issued under this section, the owner or operator of the vessel shall submit to the Maritime Administrator a report that includes—

“(A) the name and flag of the vessel;

“(B) the dates of the voyage;
“(C) any relevant ports of call; and

“(D) any other information the Maritime Administrator determines necessary.

“(2) PUBLICATION.—Not later than 48 hours after receiving a report under paragraph (1), the Maritime Administrator shall publish such report on an appropriate website of the Department of Transportation.”.

(b) APPLICABILITY.—The amendments made by this section shall apply with respect to waivers issued after the date of the enactment of this Act.

Subtitle B—Tanker Security Fleet

SEC. 3511. TANKER SECURITY FLEET.

(a) IN GENERAL.—Part C of subtitle V of title 46, United States Code, is amended by inserting after chapter 531 the following new chapter:

“CHAPTER 532—TANKER SECURITY FLEET

“§ 53201. Definitions

“In this chapter:
“(1) FOREIGN COMMERCE.—The term ‘foreign commerce’ means—

“(A) commerce or trade between the United States, its territories or possessions, or the District of Columbia, and a foreign country; and

“(B) commerce or trade between foreign countries including trade between foreign ports in accordance with normal commercial bulk shipping practices in such a manner as will permit vessels of the United States freely to compete with foreign-flag liquid bulk carrying vessels in their operation or in competing charters, subject to rules and regulations promulgated by the Secretary of Transportation pursuant to this chapter or subtitle.

“(2) PARTICIPATING FLEET VESSEL.—The term ‘participating Fleet vessel’ means any tank vessel covered by an operating agreement under this chapter on or after January 1, 2021.

“(3) PERSON.—The term ‘person’ includes corporations, partnerships, and associations existing under, or authorized by, laws of the United States, or any State, territory, district, or possession thereof, or any foreign country.
“(4) TANK VESSEL.—The term ‘tank vessel’ has the meaning that term has under section 2101.

“(5) UNITED STATES CITIZEN TRUST.—The term ‘United States citizen trust’—

“(A) means a trust for which—

“(i) each of the trustees is a citizen of the United States; and

“(ii) the application for documentation of the vessel under chapter 121 includes an affidavit of each trustee stating that the trustee is not aware of any reason involving a beneficiary of the trust that is not a citizen of the United States, or involving any other person who is not a citizen of the United States, as a result of which the beneficiary or other person would hold more than 25 percent of the aggregate power to influence or limit the exercise of the authority of the trustee with respect to matters involving any ownership or operation of the vessel that may adversely affect the interests of the United States;

“(B) does not include a trust for which any person that is not a citizen of the United States;
States has authority to direct, or participate in
directing, a trustee for a trust in matters in-
volving any ownership or operation of the vessel
that may adversely affect the interests of the
United States or in removing a trustee without
cause, either directly or indirectly through the
control of another person, unless the trust in-
strument provides that persons who are not citi-
zens of the United States may not hold more
than 25 percent of the aggregate authority to
so direct or remove a trustee; and

“(C) may include a trust for which a per-
son who is not a citizen of the United States
holds more than 25 percent of the beneficial in-
terest in the trust.

§ 53202. Establishment of the Tanker Security Fleet

“(a) In general.—The Secretary of Transpor-
tation, in consultation with the Secretary of Defense, shall
establish a fleet of active, commercially viable, militarily
useful, privately owned product tankers to meet national
defense and other security requirements and maintain a
United States presence in international commercial ship-
ning. The fleet shall consist of privately owned vessels of
the United States for which there are in effect operating
agreements under this chapter, and shall be known as the
‘Tanker Security Fleet’ (hereinafter in this chapter referred to as the ‘Fleet’).

“(b) VESSEL ELIGIBILITY.—A vessel is eligible to be included in the Fleet if the vessel—

“(1) meets the requirements under paragraph (1), (2), (3), or (4) of subsection (c);

“(2) is operated (or in the case of a vessel to be constructed, will be operated) in providing transportation in United States foreign commerce;

“(3) is self-propelled;

“(4) is not more than ten years of age on the date the vessel is first included in the Fleet and not more than 25 years of age at any time during which the vessel is included in the Fleet;

“(5) is determined by the Secretary of Defense to be suitable for use by the United States for national defense or military purposes in time of war or national emergency; and

“(6) is commercially viable, as determined by the Secretary of Transportation; and

“(7) is—

“(A) a vessel of the United States; or

“(B) not a vessel of the United States, but—
“(i) the owner of the vessel has demonstrated an intent to have the vessel documented under chapter 121 if it is included in the Fleet; and

“(ii) at the time an operating agreement is entered into under this chapter, the vessel is eligible for documentation under chapter 121.

“(c) Requirements Regarding Citizenship of Owners, Charterers, and Operators.—

“(1) Vessels owned and operated by section 50501 citizens.—A vessel meets the requirements of this paragraph if, during the period of an operating agreement under this chapter that applies to the vessel, the vessel will be owned and operated by one or more persons that are citizens of the United States under section 50501.

“(2) Vessels owned by a section 50501 citizen, or United States citizen trust, and chartered to a documentation citizen.—A vessel meets the requirements of this paragraph if—

“(A) during the period of an operating agreement under this chapter that applies to the vessel, the vessel will be—
“(i) owned by a person that is a citizen of the United States under section 50501 or that is a United States citizen trust; and

“(ii) demise chartered to a person—

“(I) that is eligible to document the vessel under chapter 121;

“(II) the chairman of the board of directors, chief executive officer, and a majority of the members of the board of directors of which are citizens of the United States under section 50501, and are appointed and subjected to removal only upon approval by the Secretary; and

“(III) that certifies to the Secretary that there are no treaties, statutes, regulations, or other laws that would prohibit the owner or operator for the vessel from performing its obligations under an operating agreement under this chapter;

“(B) in the case of a vessel that will be demise chartered to a person that is owned or controlled by another person that is not a cit-
izen of the United States under section 50501, the other person enters into an agreement with the Secretary not to influence the operation of the vessel in a manner that will adversely affect the interests of the United States; and

“(C) the Secretary of Transportation and the Secretary of Defense notify the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives that the Secretaries concur with the certification required under subparagraph (A)(ii)(III), and have reviewed and agree that there are no legal, operational, or other impediments that would prohibit the owner or operator for the vessel from performing its obligations under an operating agreement under this chapter.

“(3) VESSELS OWNED AND OPERATED BY A DEFENSE OWNER OR OPERATOR.—A vessel meets the requirements of this paragraph if—

“(A) during the period of an operating agreement under this chapter that applies to
the vessel, the vessel will be owned and operated by a person that—

“(i) is eligible to document a vessel under chapter 121;

“(ii) operates or manages other vessels of the United States for the Secretary of Defense, or charters other vessels to the Secretary of Defense;

“(iii) has entered into a special security agreement for the purpose of this paragraph with the Secretary of Defense;

“(iv) makes the certification described in paragraph (2)(A)(ii)(III); and

“(v) in the case of a vessel described in paragraph (2)(B), enters into an agreement referred to in that subparagraph; and

“(B) the Secretary of Transportation and the Secretary of Defense notify the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives that they concur with the certification required under subparagraph (A)(iv), and have reviewed
and agree that there are no legal, operational, or other impediments that would prohibit the owner or operator for the vessel from performing its obligations under an operating agreement under this chapter.

“(4) VESSELS OWNED BY DOCUMENTATION CITIZENS AND CHARTERED TO SECTION 50501 CITIZENS.—A vessel meets the requirements of this paragraph if, during the period of an operating agreement under this chapter, the vessel will be—

“(A) owned by a person who is eligible to document a vessel under chapter 121; and

“(B) demise chartered to a person that is a citizen of the United States under section 50501.

“(d) REQUEST BY SECRETARY OF DEFENSE.—The Secretary of Defense shall request that the Commandant of the Coast Guard issue any waiver under section 501 that the Secretary of Defense determines is necessary for purposes of this chapter.

“(e) VESSEL STANDARDS.—

“(1) CERTIFICATE OF INSPECTION.—A vessel used to provide oceangoing transportation that the Commandant of the Coast Guard determines meets the criteria of subsection (b) but which, on the date
of enactment of this section, is not documented under chapter 121, shall be eligible for a certificate of inspection if the Commandant of the Coast Guard determines that—

“(A) the vessel is classed by and designed in accordance with the rules of the American Bureau of Shipping, or another classification society accepted by the Commandant of the Coast Guard;

“(B) the vessel complies with applicable international agreements and associated guidelines, as determined by the country in which the vessel was documented immediately before becoming documented under chapter 121; and

“(C) the country has not been identified by the Commandant of the Coast Guard as inadequately enforcing international vessel regulations as to that vessel.

“(2) RELIANCE ON CLASSIFICATION SOCIETY.—

“(A) IN GENERAL.—The Commandant of the Coast Guard may rely on a certification from the American Bureau of Shipping or, subject to subparagraph (B), another classification society accepted by the Commandant of the Coast Guard, to establish that a vessel is in
compliance with the requirements of paragraph (1).

“(B) FOREIGN CLASSIFICATION SOCIETY.—The Secretary may accept certification from a foreign classification society under subparagraph (A) only—

“(i) to the extent that the government of the foreign country in which the society is headquartered provides access on a reciprocal basis to the American Bureau of Shipping; and

“(ii) if the foreign classification society has offices and maintains records in the United States.

§53203. Vessel standards

“(a) CERTIFICATE OF INSPECTION.—A vessel used to provide transportation service as a common carrier that the Secretary of Transportation determines meets the criteria of section 53102(b), which on the date of enactment of this section is not a documented vessel, shall be eligible for a certificate of inspection if the Secretary determines that—

“(1) the vessel is classed by and designed in accordance with the rules of the American Bureau of
Shipping or another classification society accepted by the Secretary;

“(2) the vessel complies with applicable international agreements and associated guidelines, as determined by the country in which the vessel was documented immediately before becoming a documented vessel (as defined in that section); and

“(3) that country has not been identified by the Secretary as inadequately enforcing international vessel regulations as to that vessel.

“(b) Continued Eligibility for Certificate.—Subsection (a) does not apply to any vessel that has failed to comply with the applicable international agreements and association guidelines referred to in subsection (a)(2).

“(c) Reliance on Classification Society.—

“(1) In general.—The Secretary may rely on a certification from the American Bureau of Shipping or, subject to paragraph (2), another classification society accepted by the Secretary, to establish that a vessel is in compliance with the requirements of subsections (a) and (b).

“(2) Foreign Classification Society.—The Secretary may accept certification from a foreign classification society under paragraph (1) only—
“(A) to the extent that the government of the foreign country in which the society is headquartered provides access on a reciprocal basis to the American Bureau of Shipping; and

“(B) if the foreign classification society has offices and maintains records in the United States.

§ 53204. Award of operating agreements

“(a) IN GENERAL.—The Secretary of Transportation shall require, as a condition of including any vessel in the Fleet, that the owner or operator of the vessel enter into an operating agreement with the Secretary under this section.

“(b) PROCEDURE FOR APPLICATIONS.—

“(1) PARTICIPATING FLEET VESSELS.—

“(A) IN GENERAL.—The Secretary of Transportation shall accept an application for an operating agreement for a participating Fleet vessel under the priority under paragraph (2) only from a person that has authority to enter into an operating agreement under this chapter.

“(B) VESSEL UNDER DEMISE CHARTER.—

For purposes of subparagraph (A), in the case of a vessel that is subject to a demise charter
that terminates by its own terms on September 30, 2035 (without giving effect to any extension provided therein for completion of a voyage or to effect the actual redelivery of the vessel), or that is terminable at the will of the owner of the vessel after such date, only the owner of the vessel shall be treated as having the authority referred to in subparagraph (A).

“(C) VESSEL OWNED BY A UNITED STATES CITIZEN TRUST.—For purposes of subparagraph (B), in the case of a vessel owned by a United States citizen trust, the term ‘owner of the vessel’ includes the beneficial owner of the vessel with respect to such trust.

“(2) DISCRETION WITHIN PRIORITY.—The Secretary of Transportation—

“(A) may award operating agreements under paragraph (1) according to such priorities as the Secretary considers appropriate; and

“(B) shall award operating agreements within any such priority—

“(i) in accordance with operational requirements specified by the Secretary of Defense;
“(ii) in the case of operating agreements awarded under subparagraph (B) of paragraph (1), according to applicants’ records of owning and operating vessels; and

“(iii) subject to approval of the Secretary of Defense.

“(c) LIMITATION.—For any fiscal year, the Secretary may not award operating agreements under this chapter that require payments under section 53207 for more than 10 vessels.

“§ 53205. Effectiveness of operating agreements

“(a) IN GENERAL.—Subject to the availability of appropriations for such purpose, the Secretary of Transportation may enter into an operating agreement under this chapter for fiscal year 2021 and any subsequent fiscal year. Each such agreement may be renewed annually for up to seven years.

“(b) VESSELS UNDER CHARTER TO THE UNITED STATES.—The owner or operator of a vessel under charter to the United States is eligible to receive payments pursuant to any operating agreement that covers such vessel.

“(c) TERMINATION.—

“(1) TERMINATION BY SECRETARY FOR LACK OF OWNER OR OPERATOR COMPLIANCE.—If the
owner or operator with respect to an operating agreement materially fails to comply with the terms of the agreement—

“(A) the Secretary shall notify the owner or operator and provide a reasonable opportunity to comply with the operating agreement; and

“(B) the Secretary shall terminate the operating agreement if the owner or operator fails to achieve such compliance.

“(2) Termination by owner or operator.—

“(A) In general.—If an owner or operator provides notice of the intent to terminate an operating agreement under this chapter by not later than 60 days prior to the date specified by the owner or operator for such termination, such agreement shall terminate on the date specified by the owner or operator.

“(B) Replacement.—An operating agreement with respect to a vessel shall terminate on the date that is three years after the date on which the vessel begins operating under the agreement, if—
“(i) the owner or operator notifies the Secretary, by not later than two years after the date the vessel begins operating under the agreement, that the owner or operator intends to terminate the agreement under this subparagraph; and

“(ii) the Secretary of Transportation, in coordination with the Secretary of Defense, determines that—

“(I) an application for an operating agreement under this chapter has been received for a replacement vessel that is acceptable to the Secretaries; and

“(II) during the period of an operating agreement under this chapter that applies to the replacement vessel, the replacement vessel will be—

“(aa) owned and operated by one or more persons that are citizens of the United States under section 50501; or

“(bb) owned by a person who is eligible to document the vessel under chapter 121, and
operated by a person that is a citizen of the United States under section 50501.

“(d) NONRENEWAL FOR LACK OF FUNDS.—

“(1) IN GENERAL.—If sufficient funds are not made available to carry out an operating agreement under this chapter—

“(A) the Secretary of Transportation shall submit to the Committee on Armed Services and the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives notice that such agreement shall be not renewed effective on the 60th day of the fiscal year, unless such funds are made available before such day; and

“(B) effective on the 60th day of such fiscal year, terminate such agreement and provide notice of such termination to the owner or operator of the vessel covered by the agreement.

“(2) RELEASE OF VESSELS FROM OBLIGATIONS.—If an operating agreement for a vessel under this chapter is not renewed pursuant to paragraph (1), then the owner or operator of the vessel
is released from any further obligation under the operating agreement as of the date of such termination or nonrenewal.

“(3) FOREIGN TRANSFER AND REGISTRATION.—The owner or operator of a vessel covered by an operating agreement under this chapter may transfer and register such vessel under a foreign registry that is acceptable to the Secretary and the Secretary of Defense, notwithstanding section 53201.

“(4) REQUISITION.—If chapter 563 is applicable to a vessel after registration, then the vessel is available to be requisitioned by the Secretary pursuant to chapter 563.

§ 53206. Obligations and rights under operating agreements

“(a) OPERATION OF VESSEL.—An operating agreement under this chapter shall require that, during the period the vessel covered by the agreement is operating under the agreement the vessel shall—

“(1) be operated in the United States foreign commerce, mixed United States foreign commerce and domestic trade allowed under a registry endorsement issued under section 12111, in foreign-to-for-
eign commerce, or under a charter to the United States;

“(2) not be operated in the coastwise trade except as described in paragraph (1); and

“(3) be documented under chapter 121.

“(b) Operating Agreement Is an Obligation of the United States Government.—An operating agreement under this chapter constitutes a contractual obligation of the United States Government to pay the amounts provided for in the agreement to the extent of actual appropriations.

“(c) Obligations of Owner or Operator.—

“(1) In general.—The owner or operator of a vessel covered by an operating agreement under this chapter shall agree, as a condition of such agreement, to remain obligated to carry out the requirements described in paragraph (2) until the termination date specified in the agreement, even in the case of early termination of the agreement under section 53205(c). This subsection shall not apply in the case of an operating agreement terminated for lack of funds under section 53205(d).

“(2) Requirements.—The requirements described in this paragraph are the following:
“(A) To continue the documentation of the vessel under chapter 121.

“(B) To be bound by the requirements of section 53208.

“(C) That all terms and conditions of an emergency preparedness agreement entered into under section 53208 shall remain in effect, except that the terms of such emergency preparedness agreement may be modified by the mutual consent of the owner or operator, the Secretary and the Secretary of Defense as provided in such section.

“(d) TRANSFER OF OPERATING AGREEMENTS.—The owner or operator of a vessel covered by an operating agreement under this chapter may transfer that agreement (including all rights and obligations under the agreement) to any person that is eligible to enter into that operating agreement under this chapter, if the transfer is approved by the Secretary of Transportation and the Secretary of Defense.

“(e) REPLACEMENT OF VESSELS COVERED BY AGREEMENTS.—An owner or operator of a vessel covered by an operating agreement under this chapter may replace the vessel with another vessel that is eligible to be included in the Fleet under section 53202(b), if the Secretary of
Transportation, in coordination with the Secretary of Defense, approves the replacement of the vessel. In selecting a replacement vessel, the owner or operator shall give primary consideration to—

“(1) the commercial viability of the vessel;
“(2) the utility of the vessel with respect to the operating requirements of the owner or operator; and
“(3) ensuring that the commercial and military utility of any replacement vessel is not less than that of the initial vessel.

“§ 53207. Payments
“(a) ANNUAL PAYMENT.—Subject to the availability of appropriations for such purpose and the other provisions of this chapter, the Secretary shall pay to the owner or operator of a vessel covered by an operating agreement under this chapter an amount equal to $6,000,000 for each vessel covered by the agreement for each fiscal year that the vessel is covered by the agreement. Such amount shall be paid in equal monthly installments on the last day of each month. The amount payable under this subsection may not be reduced except as provided by this section.
“(b) CERTIFICATION REQUIRED FOR PAYMENT.—As a condition of receiving payment under this section for a fiscal year for a vessel, the owner or operator of the vessel
shall certify, in accordance with regulations issued by the Secretary, that the vessel has been and will be operated in accordance with section 53206 for at least 320 days during the fiscal year. Days during which the vessel is drydocked, surveyed, inspected, or repaired shall be considered days of operation for purposes of this subsection.

“(c) General Limitations.—The Secretary may not make any payment under this chapter for a vessel with respect to any days for which the vessel is—

“(1) not operated or maintained in accordance with an operating agreement under this chapter; or

“(2) more than 25 years of age.

“(d) Reductions in Payments.—With respect to payments under this chapter for a vessel covered by an operating agreement, the Secretary—

“(1) except as provided in paragraph (2), may not reduce such a payment for the operation of the vessel to carry military or other preference cargoes under section 55302(a), 55304, 55305, or 55314, section 2631 of title 10, or any other cargo preference law of the United States;

“(2) may not make such a payment for any day that the vessel is engaged in transporting more than 7,500 tons of civilian bulk preference cargoes pursu-
(a), 55305, or 55314, that is bulk cargo; and

“(3) shall make a pro rata reduction for each day less than 320 in a fiscal year that the vessel is not operated in accordance with section 53206.

“(e) LIMITATIONS REGARDING NONCONTIGUOUS DOMESTIC TRADE.—

“(1) IN GENERAL.—No owner or operator shall receive payments pursuant to this chapter during a period in which it participates in noncontiguous domestic trade.

“(2) LIMITATION ON APPLICATION.—Paragraph (1) shall not apply to a owner or operator that is a citizen of the United States within the meaning of section 50501, applying the 75 percent ownership requirement of that section.

“(3) PARTICIPATES IN A NONCONTIGUOUS TRADE DEFINED.—In this subsection the term ‘participates in a noncontiguous domestic trade’ means directly or indirectly owns, charters, or operates a vessel engaged in transportation of cargo between a point in the contiguous 48 States and a point in Alaska, Hawaii, or Puerto Rico, other than a point in Alaska north of the Arctic Circle.
§ 53208. National security requirements

(a) Emergency Preparedness Agreement Required.—The Secretary of Transportation, in coordination with the Secretary of Defense, shall establish an emergency preparedness program under this section under which the owner or operator of a vessel covered by an operating agreement under this chapter shall agree, as a condition of the operating agreement, to enter into an emergency preparedness agreement with the Secretaries. Each such emergency preparedness agreement shall be entered into as promptly as practicable after the owner or operator has entered into the operating agreement.

(b) Terms of Agreement.—The terms of an agreement under this section—

(1) shall provide that upon request by the Secretary of Defense during time of war or national emergency, or whenever determined by the Secretary of Defense to be necessary for national security or contingency operation (as that term is defined in section 101 of title 10), the owner or operator shall make available commercial transportation resources (including services) described in subsection (d) to the Secretary of Defense;

(2) shall include such additional terms as may be established by the Secretary of Transportation and the Secretary of Defense; and
“(3) shall allow for the modification or addition of terms upon agreement by the Secretary of Transportation and the owner or operator and the approval by the Secretary of Defense.

“(c) Participation After Expiration of Operating Agreement.—Except as provided by section 53206, the Secretary may not require, through an emergency preparedness agreement or an operating agreement, that an owner or operator of a vessel covered by an operating agreement continue to participate in an emergency preparedness agreement after the operating agreement has expired according to its terms or is otherwise no longer in effect. After the expiration of an emergency preparedness agreement, a owner or operator may voluntarily continue to participate in the agreement.

“(d) Resources Made Available.—The commercial transportation resources to be made available under an emergency preparedness agreement shall include vessels or capacity in vessels, terminal facilities, management services, and other related services, or any agreed portion of such nonvessel resources for activation as the Secretary of Defense may determine to be necessary, seeking to minimize disruption of the owner or operator’s service to commercial customers.

“(e) Compensation.—
“(1) IN GENERAL.—Each emergency preparedness agreement under this section shall provide that the Secretary of Defense shall pay fair and reasonable compensation for all commercial transportation resources provided pursuant to this section.

“(2) SPECIFIC REQUIREMENTS.—Compensation under this subsection—

“(A) shall not be less than the owner or operator’s commercial market charges for like transportation resources;

“(B) shall be fair and reasonable considering all circumstances;

“(C) shall be provided from the time that a vessel or resource is required by the Secretary of Defense until the time it is redelivered to the owner or operator and is available to reenter commercial service; and

“(D) shall be in addition to and shall not in any way reflect amounts payable under section 53207.

“(f) TEMPORARY REPLACEMENT VESSELS.—Notwithstanding section 55302(a), 55304, 55305, or 55314, section 2631 of title 10, or any other cargo preference law of the United States—
“(1) an owner or operator may operate or employ in foreign commerce a foreign-flag vessel or foreign-flag vessel capacity as a temporary replacement for a vessel of the United States or vessel of the United States capacity that is activated by the Secretary of Defense under an emergency preparedness agreement or a primary Department of Defense sealift readiness program; and

“(2) such replacement vessel or vessel capacity shall be eligible during the replacement period to transport preference cargoes subject to sections 55302(a), 55304, 55305, and 55314 and section 2631 of title 10 to the same extent as the eligibility of the vessel or vessel capacity replaced.

“(g) Redelivery and Liability of the United States for Damages.—

“(1) In General.—All commercial transportation resources activated under an emergency preparedness agreement shall, upon termination of the period of activation, be redelivered to the owner or operator in the same good order and condition as when received, less ordinary wear and tear, or the Secretary of Defense shall fully compensate the owner or operator for any necessary repair or replacement.
“(2) LIMITATION ON UNITED STATES LIABILITY.—Except as may be expressly agreed in an emergency preparedness agreement, or as otherwise provided by law, the Government shall not be liable for disruption of an owner or operator’s commercial business or other consequential damages to an owner or operator arising from the activation of commercial transportation resources under an emergency preparedness agreement.

§ 53209. Regulatory relief

“(a) OPERATION IN FOREIGN COMMERCE.—An owner or operator for a vessel included in an operating agreement under this chapter may operate the vessel in the foreign commerce of the United States without restriction.

“(b) OTHER RESTRICTIONS.—The restrictions of section 55305(a) concerning the building, rebuilding, or documentation of a vessel in a foreign country shall not apply to a vessel for any day the operator of the vessel is receiving payments for the operation of that vessel under an operating agreement under this chapter.

“(c) TELECOMMUNICATIONS EQUIPMENT.—The telecommunications and other electronic equipment on an existing vessel that is redocumented under the laws of the United States for operation under an operating agreement
under this chapter shall be deemed to satisfy all Federal Communications Commission equipment certification requirements, if—

“(1) such equipment complies with all applicable international agreements and associated guidelines as determined by the country in which the vessel was documented immediately before becoming documented under the laws of the United States;

“(2) that country has not been identified by the Secretary as inadequately enforcing international regulations as to that vessel; and

“(3) at the end of its useful life, such equipment shall be replaced with equipment that meets Federal Communications Commission equipment certification standards.

§ 53210. Special rule regarding age of participating Fleet vessels

“Any age restriction under section 53202(b)(4) shall not apply to a participating Fleet vessel during the 30-month period beginning on the date the vessel begins operating under an operating agreement under this chapter, if the Secretary of Transportation determines that the owner or operator of the vessel has entered into an arrangement to obtain and operate under the operating agreement for the participating Fleet vessel a replacement
vessel that, upon commencement of such operation, will be eligible to be included in the Fleet under section 53202(b).

“§ 53211. Regulations
“The Secretary of Transportation and the Secretary of Defense may each prescribe rules as necessary to carry out their respective responsibilities under this chapter.

“§ 53212. Authorization of appropriations
“There is authorized to be appropriated for payments under section 53207, $60,000,000 for each of fiscal years 2021 through 2035, to remain available until expended.

“§ 53213. Acquisition of Fleet vessels
“(a) IN GENERAL.—Upon replacement of a Fleet vessel under an operating agreement under this chapter, and subject to agreement by the owner or operator of the vessel, the Secretary of Transportation may, subject to the concurrence of the Secretary of Defense, acquire the vessel being replaced for inclusion in the National Defense Reserve Fleet.

“(b) REQUIREMENTS.—To be eligible for acquisition by the Secretary of Transportation under this section a vessel shall—

“(1) have been covered by an operating agreement under this chapter for not less than three years; and
“(2) meet recapitalization requirements for the Ready Reserve Force.

“(c) Fair Market Value.—A fair market value shall be established by the Maritime Administration for acquisition of an eligible vessel under this section.

“(d) Appropriations.—Vessel acquisitions under this section shall be subject to the availability of appropriations. Amounts made available to carry out this section shall be derived from amounts authorized to be appropriated for the National Defense Reserve Fleet. Amounts authorized to be appropriated to carry out the Maritime Security Program may not be used to carry out this section.”.

(b) Clerical Amendment.—The table of chapters for subtitle VII of title 46, United States Code, is amended by adding at the end the following:

“532. Tanker Security Fleet .............................................................. 53201”.

(c) Deadline for Accepting Applications.—

(1) In General.—The Secretary of Transportation shall begin accepting applications for enrollment of vessels in the Tanker Security Fleet established under chapter 532 of title 46, United States Code, as added by subsection (a), by not later than 30 days after the date of the enactment of this Act.

(2) Approval.—Not later than 90 days after receipt of an application for the enrollment of a ves-
sel in the Tanker Security Fleet, the Secretary, in coordination with the Secretary of Defense, shall—

(A) approve the application and enter into an operating agreement with the applicant; or

(B) provide to the applicant a written explanation for the denial of the application.

DIVISION D—FUNDING TABLES

SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TABLES.

(a) IN GENERAL.—Whenever a funding table in this division specifies a dollar amount authorized for a project, program, or activity, the obligation and expenditure of the specified dollar amount for the project, program, or activity is hereby authorized, subject to the availability of appropriations.

(b) MERIT-BASED DECISIONS.—A decision to commit, obligate, or expend funds with or to a specific entity on the basis of a dollar amount authorized pursuant to subsection (a) shall—

(1) be based on merit-based selection procedures in accordance with the requirements of sections 2304(k) and 2374 of title 10, United States Code, or on competitive procedures; and

(2) comply with other applicable provisions of law.
(c) **Relationship to Transfer and Programming Authority.**—An amount specified in the funding tables in this division may be transferred or reprogrammed under a transfer or reprogramming authority provided by another provision of this Act or by other law. The transfer or reprogramming of an amount specified in such funding tables shall not count against a ceiling on such transfers or reprogrammings under section 1001 or section 1512 of this Act or any other provision of law, unless such transfer or reprogramming would move funds between appropriation accounts.

(d) **Applicability to Classified Annex.**—This section applies to any classified annex that accompanies this Act.

(e) **Oral and Written Communications.**—No oral or written communication concerning any amount specified in the funding tables in this division shall supersede the requirements of this section.

**TITLE XLI—PROCUREMENT**

**SEC. 4101. PROCUREMENT.**

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**GROUND SUPPORT AVIONICS**

<table>
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<tr>
<th>Line</th>
<th>Item</th>
<th>FY 2021 Request</th>
<th>House Authorized</th>
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<tr>
<td>035</td>
<td>AIRCRAFT SURVIVABILITY EQUIPMENT</td>
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<td>036</td>
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<td>038</td>
<td>COMMON INFRARED COUNTERMEASURES (CICUM)</td>
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**OTHER SUPPORT**

<table>
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<tr>
<th>Line</th>
<th>Item</th>
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<td>AVIONICS SUPPORT EQUIPMENT</td>
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<td>COMMON GROUND EQUIPMENT</td>
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<td>AIRCRAFT INTEGRATED SYSTEMS</td>
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<td>042</td>
<td>AIR TRAFFIC CONTROL</td>
<td>26,408</td>
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<td>043</td>
<td>LAUNCHER, 2.75 ROCKET</td>
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<td>044</td>
<td>LAUNCHER GUIDED MISSILE, LONG/HOLD HELLFIRE XM2</td>
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<td>TOTAL AIRCRAFT PROCUREMENT, ARMY</td>
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**MISSILE PROCUREMENT, ARMY**

**SURFACE-TO-AIR MISSILE SYSTEM**

<table>
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<td>MSE MISSILE</td>
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<td>PRECISION STRIKE MISSILE (PSM)</td>
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<td>INHERIT FIRE PROTECTION CAPABILITY INC 2-1</td>
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<td>25,011</td>
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**OTHER SUPPORT**

**ANTI-TANK/ASSAULT MISSILE SYS**

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<td>JAVELIN (LAWS-3R) SYSTEM SUMMARY</td>
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<td>010</td>
<td>TOW 2 SYSTEM SUMMARY</td>
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<td>GUIDED MILITARY ROCKET (GMLRS)</td>
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<td>MILITARY REDUCED RANGE PRACTICE ROCKETS (MRP)</td>
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<td>013</td>
<td>HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)</td>
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**MODIFICATIONS**

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<td>ATACMS MODS</td>
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<td>018</td>
<td>AVENGER MODS</td>
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<td>ITACV MODS</td>
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**SUPPORT EQUIPMENT & FACILITIES**

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<td>SPARES AND REPAIR PARTS</td>
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**TOTAL MISSILE PROCUREMENT, ARMY**

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<td>025</td>
<td>AIR DEFENSE TARGETS</td>
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**PROCUREMENT OF W&T/CV, ARMY**

**TRACKED COMBAT VEHICLES**

<table>
<thead>
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<th>Line</th>
<th>Item</th>
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<tbody>
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<td>ARMY-GRN MULTI PURPOSE VEHICLE (AMPV)</td>
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<td>ARMY-GRN MULTI PURPOSE VEHICLE (AMPV)</td>
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<td>172,971</td>
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**MODIFICATION OF TRacked COMBAt VEHICLES**

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<td>BRADLEY PROGRAM (MOD)</td>
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<td>435,759</td>
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<td>Item</td>
<td>FY 2021 Request</td>
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</tr>
<tr>
<td>001</td>
<td>CTG, 5.56MM, ALL TYPES</td>
<td>68,472</td>
<td>68,472</td>
</tr>
<tr>
<td>002</td>
<td>CTG, 7.62MM, ALL TYPES</td>
<td>109,931</td>
<td>109,931</td>
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<tr>
<td>003</td>
<td>NEXT GENERATION SQUAD WEAPON AMMUNITION</td>
<td>11,988</td>
<td>11,988</td>
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<tr>
<td>004</td>
<td>CTG, HANDGUN, ALL TYPES</td>
<td>853</td>
<td>853</td>
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<tr>
<td>005</td>
<td>CTG, 50 CAL, ALL TYPES</td>
<td>58,290</td>
<td>58,290</td>
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<tr>
<td>006</td>
<td>CTG, 20MM, ALL TYPES</td>
<td>31,708</td>
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<tr>
<td>007</td>
<td>CTG, 23MM, ALL TYPES</td>
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<td>9,111</td>
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<tr>
<td>008</td>
<td>CTG, 30MM, ALL TYPES</td>
<td>58,172</td>
<td>58,172</td>
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<tr>
<td>009</td>
<td>CTG, 40MM, ALL TYPES</td>
<td>114,638</td>
<td>114,638</td>
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<tr>
<td>010</td>
<td>MORTAR AMMUNITION</td>
<td>31,222</td>
<td>31,222</td>
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<tr>
<td>011</td>
<td>81MM MORTAR, ALL TYPES</td>
<td>42,857</td>
<td>42,857</td>
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<tr>
<td>012</td>
<td>120MM MORTAR, ALL TYPES</td>
<td>107,762</td>
<td>107,762</td>
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<tr>
<td>013</td>
<td>CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES</td>
<td>233,444</td>
<td>233,444</td>
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<tr>
<td>014</td>
<td>ARTILLERY CARTRIDGES, 75MM &amp; 105MM, ALL TYPES</td>
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<td>33,963</td>
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<tr>
<td>015</td>
<td>ARTILLERY PROJECTILES, 155MM, ALL TYPES</td>
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<td>283,892</td>
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<tr>
<td>016</td>
<td>PROJ 155MM EXTENDED RANGE M82</td>
<td>69,159</td>
<td>69,159</td>
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<tr>
<td>017</td>
<td>ARTILLERY PROJECTILES, FUSES AND PRIMERS, ALL MINES</td>
<td>232,913</td>
<td>232,913</td>
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<tr>
<td>018</td>
<td>MINES &amp; CLEARING CHARGES, ALL TYPES</td>
<td>65,278</td>
<td>67,778</td>
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<tr>
<td>019</td>
<td>CLOSE TERRAIN SHAPING OBSTACLE</td>
<td>4,995</td>
<td>2,995</td>
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<tr>
<td>020</td>
<td>SHOULDER LAUNCHED MUNITIONS, ALL TYPES</td>
<td>69,112</td>
<td>61,612</td>
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<tr>
<td>021</td>
<td>ROCKETS, HYDRA 70, ALL TYPES</td>
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**WEAPONS & OTHER COMBAT VEHICLES**

<table>
<thead>
<tr>
<th>Line</th>
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<td>MORTAR SYSTEMS</td>
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<td>XM230 GRENADE LAUNCHER MODULAR (GLM)</td>
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<td>PRECISION SNIPER RIFLE</td>
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<td>COMPACT SEMI-AUTOMATIC SNIPER SYSTEM</td>
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<td>CARBINE</td>
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<td>NEXT GENERATION SQUAD WEAPON</td>
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<td>COMMON REMOTELY OPERATED WEAPONS STATION</td>
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<td>025</td>
<td>HANDGUN</td>
<td>4,662</td>
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**SEC. 4101. PROCUREMENT**

**IN THOUSANDS OF DOLLARS**

<table>
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<td>61,612</td>
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<tr>
<td>021</td>
<td>ROCKETS, HYDRA 70, ALL TYPES</td>
<td>125,915</td>
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**OTHER AMMUNITION**

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<td>GRENADES, ALL TYPES</td>
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<td>SIGNALS, ALL TYPES</td>
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<td>026</td>
<td>SHELTERS, ALL TYPES</td>
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<td>10,251</td>
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<td>AMMO COMPONENTS, ALL TYPES</td>
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<td>ITEMS LESS THAN $5 MILLION (AMMO)</td>
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<td>030</td>
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<td>033</td>
<td>INDUSTRIAL FACILITIES</td>
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<td>ARMS INITIATIVE</td>
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<td>TOTAL PROCUREMENT OF AMMUNITION, ARMY</td>
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<td>2,860,216</td>
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</table>

**OTHER PROCUREMENT, ARMY**

**TACTICAL VEHICLES**
- 001 TACTICAL TRAILERS, DOLLIES SETS | 12,986 | 12,986 |
- 002 SEMITRAILERS, FLATBED | 31,443 | 31,443 |
- 004 HI MOUNT MULTI-PURP MIL VEH (HMMWV) | 44,795 | 44,795 |
- 005 GROUND MOBILITY VEHICLES (GMV) | 37,932 | 37,932 |
- 006 JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLE | 894,414 | 894,414 |
- 009 TRUCK, DUMP, 20' (C5) | 29,368 | 29,368 |
- 010 FAMILY OF MEDIUM TACTICAL VEH (FMTV) | 95,092 | 95,092 |
- 011 FAMILY OF COLD WEATHER ALL-TERRAIN VEH | 999 | 999 |
- 012 FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP | 27,687 | 27,687 |
- 013 HGV EXPANDABLE MOBILE TACTICAL TRUCK EXT SERV | 21,969 | 21,969 |
- 015 HLV EXPANDABLE MOBILE TACTICAL TRUCK EXT SERV | 65,835 | 132,635 |
- 016 HMMWV RECAPITALIZATION PROGRAM | 5,927 | 5,927 |
- 017 TACTICAL WHEELED VEHICLE PROTECTION KITS | 36,497 | 36,497 |
- 018 MODIFICATION OF IN SV EQUIP | 114,977 | 114,977 |

**NON-TACTICAL VEHICLES**
- 020 PASSENGER CARRYING VEHICLES | 1,246 | 1,246 |
- 021 NON-TACTICAL VEHICLES, OTHER | 19,870 | 19,870 |

**COMM—JOINT COMMUNICATIONS**
- 022 SIGNAL MODERNIZATION PROGRAM | 160,469 | 150,469 |
- 023 TACTICAL NETWORK TECHNOLOGY MOD IN SVC | 360,079 | 337,879 |
- 024 SITUATION INFORMATION TRANSPORT | 63,396 | 63,396 |
- 026 JUSE EQUIPMENT (USHEVCOM) | 5,170 | 5,170 |

**COMM—SATELLITE COMMUNICATIONS**
- 029 DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS | 101,498 | 101,498 |
- 030 TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS | 72,430 | 64,950 |
- 031 SIF T (SPACE) | 13,173 | 13,173 |
- 032 ASSURED POSITIONING, NAVIGATION AND TIMING | 134,928 | 134,928 |
- 033 SMART-T (SPACE) | 8,611 | 8,611 |
- 034 GLOBAL HIGHEST SVC—GHS | 8,191 | 8,191 |

**COMM—C2 SYSTEM**
- 036 CORE TACTICAL SERVER INFRASTRUCTURE (TSG) | 94,871 | 94,871 |

**COMM—COMBAT COMMUNICATIONS**
- 037 HANDHELD MANPACK SMALL FORM FIT (HFMS) | 550,848 | 550,848 |
- 038 RADIO TERMINAL SET, MIDS-LVC(2) | 6,237 | 6,237 |
- 041 SPIDER FAMILY OF NETWORKED MUNITIONS INCOR | 13,867 | 0 |
- 043 UNIFIED COMMAND SUITE | 19,579 | 19,579 |
- 044 COTS COMMUNICATIONS EQUIPMENT | 94,136 | 94,136 |
- 045 FAMILY OF MIDS COM FOR COMBAT CASUALTY CARE | 16,313 | 16,313 |
- 046 ARMY COMMUNICATIONS & EO TRXN SYSTEMS | 51,440 | 51,440 |

**COMM—INTELLIGENCE COMM**
- 048 C1 AUTOMATION ARCHITECTURE (JIP) | 13,146 | 13,146 |
- 049 DEFENSE MILITARY DECEPTION INITIATIVE | 5,624 | 5,624 |

**INFORMATION SECURITY**
- 051 INFORMATION SYSTEM SECURITY PROGRAM-JSSP | 4,596 | 4,596 |
- 052 COMMUNICATIONS SECURITY (COMSEC) | 139,272 | 149,272 |
- 053 DEFENSIVE CYBER OPERATIONS | 54,753 | 54,753 |
- 054 INTELLIGENCE THREAT PROGRAM—UNIT ACTIVITY JROMTO | 1,760 | 1,760 |
- 056 ITEMS LESS THAN $5M (INFO SECURITY) | 280 | 280 |

**COMM—LONG HAUL COMMUNICATIONS**
- BASE SUPPORT COMMUNICATIONS | 29,761 | 29,761 |

**COMM—BASE COMMUNICATIONS**
- 060 INFORMATION SYSTEMS MODERNIZATION PROGRAM | 147,696 | 147,696 |
- 061 EMERGENCY MANAGEMENT MODERNIZATION PROGRAM | 4,900 | 4,900 |

July 7, 2020 (2:36 p.m.)
### SEC. 4101. PROCUREMENT

#### (In Thousands of Dollars)

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### CLASSIFIED PROGRAMS

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*Authorized*
### SEC. 4101. PROCUREMENT

#### (In Thousands of Dollars)

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### AIRCRAFT PROCUREMENT, NAVY

**COMBAT AIRCRAFT**

- **EA-18G** (FIGHTER) HORNET: 1,761,146
- **EA-18G** (FIGHTER) HORNET AP: 28,100
- **F/A-18** aircraft: 2,181,780
- **F/A-18E/F** (FIGHTER) HORNET AP: 2,106,650

**JSTF STRIKE FIGHTER CV**

- **F/A-18E/F** (FIGHTER) HORNET AP: 330,386
- **JSF STOVL** AP: 1,103,191

**CH-53K** (HEAVY LIFT)

- **JSF STOVL** AP: 303,035

**V-22** (MEDIUM LIFT)

- **V-22** (MEDIUM LIFT): 813,324
- **V-22** (MEDIUM LIFT) AP: 201,104

**Navy UPL**

- **NAVY UPL** (V-22): 211,400

**H-1 UPGRADES** (CH-47AH-1Z)

- **H-1 UPGRADES** (CH-47AH-1Z): 7,267
## SEC. 4101. PROCUREMENT (In Thousands of Dollars)

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76985516
July 7, 2020 (2:36 p.m.)
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**SUPPORT EQUIPMENT & FACILITIES**

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**ORDNANCE SUPPORT EQUIPMENT**

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**TORPEDOES AND RELATED EQUIP**

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**MOD OF TORPEDOES AND RELATED EQUIP**

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**SUPPORT EQUIPMENT**

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**DESTINATION TRANSPORTATION**

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**GUNS AND GUN MOUNTS**

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**MODIFICATION OF GUNS AND GUN MOUNTS**

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**SPARES AND REPAIR PARTS**

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**TOTAL WEAPONS PROCUREMENT, NAVY**

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**PROCUREMENT OF AMMO, NAVY & MC**

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**MARINE CORPS AMMUNITION**

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**TOTAL PROCUREMENT OF AMMO, NAVY & MC**

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**SHIPBUILDING AND CONVERSION, NAVY**

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**OTHER WARSHIPS**

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## SEC. 4101. PROCUREMENT (In Thousands of Dollars)

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### OTHER PROCUREMENT, NAVY

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### REACTOR PLANT EQUIPMENT

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<td>028</td>
<td>STANDARD BOATS</td>
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### OTHER SHIP SUPPORT

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**Note:** The document includes a list of procurements categorized into different types such as ship maintenance, repair, and modernization, submarine support equipment, etc., with authorized and requested funding details. The list is comprehensive and includes various categories like shipboard equipment, reactor plant equipment, and other ship support costs. The document details the budget allocations and variations.
## SEC. 4101. PROCUREMENT

### (In Thousands of Dollars)

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### SHIP SENSORS

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### ELECTRONIC WARFARE EQUIPMENT

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### SHIPBOARD COMMUNICATIONS

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### SATELLITE COMMUNICATIONS

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### SHORE COMMUNICATIONS

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### AIRCRAFT SUPPORT EQUIPMENT

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**TOTAL OTHER PROCUREMENT, NAVY**

10,948,518

10,236,018

**TOTAL PROCUREMENT, MARINE CORPS**

10,236,018

10,236,018

**SFP-1 battle space**

[47,090]
### SEC. 4101. PROCUREMENT

(in Thousands of Dollars)

<table>
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## SEC. 4101. PROCUREMENT

### (In Thousands of Dollars)

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### 001 MISSILE REPLACEMENT EQ—BALKISTIC

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## SEC. 4101. PROCUREMENT (In Thousands of Dollars)

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Increase SH-3 Block II A quantities | [115,000]  |
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**TOTAL PROCUREMENT**: 130,684,160 132,844,847

### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

**OPERATIONS.**

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### SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

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TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.
### ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES

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**SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT**: 1,205,590, 1,256,090

### SYSTEM DEVELOPMENT & DEMONSTRATION

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**HIPS program delays**: [–5,000]
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

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### MANAGEMENT SUPPORT

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- Program acceleration: [5,000]
- RELAP6 program delay: [–60,000]
- Program carry-over: [–6,291]
- CROWS-J program delay: [–5,667]
- Carbon composite materials for wheels and brakes: [5,000]
- Improved turbine engine program: 249,257 |
- Aviation system program improvement and development: 17,155 |
- Unmanned aircraft system universal products: 7,741 |
- Apache picture development: 77,177 |
- Military cyber development: 14,622 |
- Army operational systems development: 35,851 |
- Family of batteries: 1,324 |
- Patriot product improvement: 187,560 |
- Joint automated deep operation coordination system (JADOCS): 51,091 |
- Improved precision replacement: 240,304 |
- Airframe modification products: 11,888 |
- Early to use: [–4,000]
- Airframe engine component improvement program: 50,409 |
- Speckle imaging: 4,516 |
- Missile air defense product improvement program: 1,288 |
- Other missile product improvement programs: 79,424 |
- Environmental quality technology—operational system dev: 259 |
- Lower tier air and missile defense (AAM) system: 166 |
- Guided multiple-launch rocket system (GMLRS): 75,575 |
- Joint tactical ground system: 9,510 |
- Information systems security program: 29,270 |
- Global combat support system: 86,908 |
- Satcom ground environment (space): 18,684 |
- Integrated broadcast service (IBS): 467 |
- Tactical unmanned aerial vehicles: 4,503 |
- Airborne reconnaissance systems: 13,283 |
- Distributed common g/uno/surface systems: 47,204 |
- End item industrial preparedness activities: 67,012 |
- Lightweight film armor development: [2,000] |

**SUBTOTAL MANAGEMENT SUPPORT:** 1,333,123 |

**OPERATIONAL SYSTEMS DEVELOPMENT**

- MILRS product improvement program: 10,157 |
- Anti-tamper technology support: 8,602 |
- Weapons and munitions product improvement programs: 20,409 |
- Aircraft steering system: 18,236 |
- Thermoplastic driveshaft: 11,236 |
- Chinook product improvement program: 46,091 |
- Improved turbine engine program: 249,257 |
- Aviation system program improvement and development: 17,155 |
- Unmanned aircraft system universal products: 7,741 |
- Apache picture development: 77,177 |
- Military cyber development: 14,622 |
- Army operational systems development: 35,851 |
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- Lightweight film armor development: [2,000] |
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- Excess cost growth
- Program adjustment
- Excess cost growth
- Excessive accelerated development

**Note:**

- Program delay
- Excess cost growth
- Excess cost growth
- Excess cost growth
- Excessive accelerated development

- Early to need, phase 1 results needed first
- Early to need, phase 2 results needed first
- Excess cost growth
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- Excess cost growth
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**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

(Thousand of Dollars)
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(In Thousands of Dollars)
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0605212M
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0605217N
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CH–53K RDTE .......................................................................................
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COMMON AVIONICS ............................................................................
SHIP TO SHORE CONNECTOR (SSC) ..............................................
T-AO 205 CLASS ...................................................................................
UNMANNED CARRIER AVIATION (UCA) ........................................
JOINT AIR-TO-GROUND MISSILE (JAGM) .....................................
MULTI-MISSION MARITIME AIRCRAFT (MMA) ............................
MULTI-MISSION MARITIME (MMA) INCREMENT III ..................
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MAJOR T&E INVESTMENT ................................................................
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CENTER FOR NAVAL ANALYSES ....................................................
TECHNICAL INFORMATION SERVICES .........................................
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RDT&E SHIP AND AIRCRAFT SUPPORT ........................................
TEST AND EVALUATION SUPPORT ................................................
OPERATIONAL TEST AND EVALUATION CAPABILITY .............
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INSIDER THREAT ...............................................................................
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F–35 C2D2 ..............................................................................................
Block IV/TR3 upgrade delays ..........................................................
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Next-generation countermeasure acoustic device .............................
NAVY STRATEGIC COMMUNICATIONS ...........................................
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Jet noise reduction ...........................................................................
SURFACE SUPPORT ............................................................................
TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER
(TMPC).
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SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS ........................
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CRAFT).
GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .......................
CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT ............
ELECTRONIC WARFARE (EW) READINESS SUPPORT ..............
HARM IMPROVEMENT .......................................................................
SURFACE ASW COMBAT SYSTEM INTEGRATION .......................
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### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

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### SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS

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Joint Information Operations Center, 17750 Fort Meade Road, Ft. Meade, MD 20755-6000.

For further information, contact the House Conferees.

July 7, 2020 (2:36 p.m.)
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**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

**(In Thousands of Dollars)**

**ADVANCED TECHNOLOGY DEVELOPMENT**

**ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES**

**SYSTEM DEVELOPMENT & DEMONSTRATION**
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

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#### Sec. 4201. Research, Development, Test, and Evaluation (In Thousands of Dollars)

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**Note:** The table above summarizes the budget requests and authorizations for various programs under the Research, Development, Test, and Evaluation (RDT&E) sections of the Department of Defense (DoD) for FY 2021. The figures are in thousands of dollars and include specific program lines and their associated budget changes. The table is designed to provide a clear and concise view of the budgetary impact across different DoD programs and their respective organizations and categories.
## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

(In Thousands of Dollars)

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### SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS

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    - House Authorized: 14,817
  
- **DEFENSE RESEARCH SCIENCES**
  
- **BASIC RESEARCH INITIATIVES**
  
- **NSF**
  
- **CREED PROGRAMS**
  
- **HISTORICALLY BLACK COLLEGES AND UNIVERSITIES MINORITY INSTITUTIONS**
  
### RESEARCH, DEVELOPMENT, TEST & EVAL, SPACE FORCE

- **APPLIED RESEARCH**
  
- **JOINT MUNITIONS TECHNOLOGY**
    - FY 2021 Request: 24,499
  
- **BIOMEDICAL TECHNOLOGY**
  
- **DEFENSE TECHNOLOGY INNOVATION**
  
- **LINCOLN LABORATORY RESEARCH PROGRAM**
  
- **APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES**
  
- **INFORMATION & COMMUNICATIONS TECHNOLOGY**
  
- **BIOLOGICAL WARFARE DEFENSE**
  
- **CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM**
    - FY 2021 Request: 45,300
    - House Authorized: 45,300

### TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, SPACE FORCE

- **FY 2021 Request**: 10,327,595
- **House Authorized**: 10,414,484

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*July 7, 2020 (2:36 p.m.)*
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SUSTOTA TOTAL ADVANCED TECHNOLOGY DEVELOPMENT | 3,588,876 | 3,913,876 |
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## SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

### (In Thousands of Dollars)

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### MANAGEMENT SUPPORT

| 145  | 0605325J      | JOINT CAPABILITY EXPERIMENTATION | 11,239 | 11,239 |
| 146  | 0604714D8Z    | DEFENSE READINESS REPORTING SYSTEM (DERS) | 9,791 | 9,791 |
| 147  | 0604713D8Z    | JOINT SYSTEMS ARCHITECTURE DEVELOPMENT | 8,497 | 8,497 |
| 148  | 0604940D8Z    | CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP) | 422,451 | 422,451 |
| 151  | 0605100D8Z    | JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC) | 79,046 | 79,046 |
| 153  | 0605106J      | JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO) | 50,255 | 50,255 |
| 155  | 0605142D8Z    | SYSTEMS ENGINEERING | 49,379 | 49,379 |
| 156  | 0605153D8Z    | STUDIES AND ANALYSIS SUPPORT—DOD | 5,777 | 5,777 |
| 157  | 0605161D8Z    | NUCLEAR MATTERS—PHYSICAL SECURITY | 16,552 | 16,552 |
| 158  | 0605170D8Z    | SUPPORT TO NETWORKS AND INFORMATION INTEGRATION | 9,582 | 9,582 |
| 159  | 0605384BP     | NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS | 3,441 | 3,441 |
| 160  | 0605385D8Z    | DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES | 27,198 | 27,198 |
| 163  | 0605425J      | DEFENSE MILITARY DECEPTION PROGRAM OFFICE | 10,837 | 10,837 |
| 165  | 0605440D8Z    | DEFENSE TECHNICAL INFORMATION CENTER (DTIC) | 13,434 | 13,434 |
| 167  | 0605450D8Z    | SMALL BUSINESS INNOVATION RESEARCH (SBIR) SMALL BUSINESS TECHNOLOGY TRANSFER | 5,300 | 5,300 |
| 168  | 0605797D8Z    | MAINTAINING TECHNOLOGY ADVANTAGE | 29,046 | 29,046 |
| 169  | 0605945J      | DEFENSE TECHNOLOGY ANALYSIS | 29,046 | 29,046 |
| 170  | 0605401K      | DEFENSE TECHNICAL INFORMATION CENTER (DTIC) | 16,869 | 16,869 |
| 171  | 0605403E      | R&D IN SUPPORT OF DOD ENLISTMENT, TRACING AND EVALUATION | 29,420 | 29,420 |
| 172  | 0605404D8Z    | DEVELOPMENT TEST AND EVALUATION | 27,198 | 27,198 |
| 173  | 0605405D8Z    | MANAGEMENT R&D | 13,434 | 13,434 |
| 174  | 0605406D8Z    | MANAGEMENT R&D—DEFENSE TECHNICAL INFORMATION CENTER (DTIC) | 2,837 | 2,837 |
| 175  | 0605407D8Z    | BUDGET AND PROGRAM ASSESSMENTS | 13,173 | 13,173 |
| 176  | 0605408D8Z    | DOD TECHNOLOGY AND RESOURCE ANALYSIS | 3,200 | 3,200 |
| 177  | 0605409D8Z    | DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT | 999 | 999 |
| 178  | 0605410D8Z    | DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI) | 3,000 | 3,000 |
| 179  | 0605411J      | JOINT STAFF ANALYTICAL SUPPORT | 5,300 | 5,300 |
| 180  | 0605412K      | CYBER INTEROPERABILITY | 59,813 | 59,813 |
| 181  | 0605413E      | INFORMATION SYSTEMS SECURITY PROGRAM | 1,112 | 1,112 |
| 182  | 0605414J      | SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES | 545 | 545 |
| 183  | 0605415D8Z    | DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDOC) | 1,036 | 1,036 |
| 184  | 0605416J      | COMBINED ADVANCED APPLICATIONS | 30,824 | 30,824 |
| 185  | 0605417J      | DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS | 3,048 | 3,048 |
| 186  | 0605418J      | COMBAT EXHAUST ENGAGEMENT AND TRAINING TRANSFORMATION (CEETT)—NON-HII | 31,125 | 31,125 |
| 187  | 0605419J      | DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI) | 100 | 100 |
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

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#### OPERATIONAL SYSTEMS DEVELOPMENT

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#### SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS

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g:\VHLC070720\070720.177.xml (7698556)
July 7, 2020 (2:36 p.m.)
### SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### (In Thousands of Dollars)

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### SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.

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### OPERATING FORCES

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**SUBTOTAL OPERATING FORCES**

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### MOBILIZATION

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**SUBTOTAL MOBILIZATION**

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### TRAINING AND RECRUITING

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**SUBTOTAL TRAINING AND RECRUITING**

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**Servicewoman’s Commemorative Partnership**

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**Sec. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)**
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### SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)

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#### OPERATION & MAINTENANCE, NAVY OPERATING FORCES

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**MOBILIZATION**

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**TRAINING AND RECRUITING**

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**ADMIN & SRVWD ACTIVITIES**

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**UNDISTRIBUTED**

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**TOTAL OPERATION & MAINTENANCE, NAVY**

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**OPERATION & MAINTENANCE, MARINE CORPS OPERATING FORCES**

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### SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)

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**TOTAL OPERATION & MAINTENANCE, MARINE CORPS** | 7,328,607 | 7,008,878 |

### OPERATION & MAINTENANCE, NAVY RES OPERATING FORCES

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### ADMIN & SRVWD ACTIVITIES

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**TOTAL OPERATION & MAINTENANCE, NAVY RES** | 1,127,046 | 1,124,149 |

### OPERATION & MAINTENANCE, MC RESERVE OPERATING FORCES
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### SEC. 4301. OPERATION AND MAINTENANCE

(In Thousands of Dollars)

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**OPERATION & MAINTENANCE, ANG OPERATING FORCES**

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**ADMINISTRATION AND SERVICE-WIDE ACTIVITIES**

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**OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES**

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**TRAINING AND RECRUITING**

**ADMIN & SRWIDE ACTIVITIES**

**UNDISTRIBUTED**
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<td>Transfer from services—reversal of DWR transfers</td>
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### SEC. 4301. OPERATION AND MAINTENANCE

(In Thousands of Dollars)

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### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

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## SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

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### OPERATION & MAINTENANCE, ARMY

#### OPERATING FORCES

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### TOTAL OPERATION & MAINTENANCE, ARMY

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#### ADMIN & SRWWD ACTIVITIES

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### TOTAL OPERATION & MAINTENANCE, ARMY RES

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### AFGHANISTAN SECURITY FORCES FUNDS

#### AFGHAN NATIONAL ARMY

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#### AFGHAN SPECIAL SECURITY FORCES

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### UNDISTRIBUTED

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**Total Operation & Maintenance, Army**

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**Total Operation & Maintenance, Army Res**

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**Total Operation & Maintenance, ARNG**

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**Total Operation & Maintenance, ARNG Res**

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### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

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## SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

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July 7, 2020 (2:36 p.m.)
### SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS

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TITLE XLIV—MILITARY PERSONNEL

SEC. 4401. MILITARY PERSONNEL.

SEC. 4401. MILITARY PERSONNEL
(In Thousands of Dollars)

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SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

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<td>Transfer from O&amp;M-320</td>
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<tr>
<td>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</td>
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<tr>
<td>CHEM DEMILITARIZATION—O&amp;M</td>
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<td>Program decrease</td>
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<td>CHEM DEMILITARIZATION—R&amp;D&amp;E</td>
<td>782,193</td>
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<td>Program decrease</td>
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<td>CHEM DEMILITARIZATION—PROC</td>
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<td><strong>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION</strong></td>
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<td>DRUG INTERDICATION &amp; CTR-DRUG ACTIVITIES, DEF</td>
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<td>COUNTER-NARCOTICS SUPPORT</td>
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<td><strong>TOTAL DRUG INTERDICATION &amp; CTR-DRUG ACTIVITIES, DEF</strong></td>
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<td>OFFICE OF THE INSPECTOR GENERAL</td>
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<tr>
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<td>384,536</td>
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<tr>
<td>Additional oversight of coronavirus relief</td>
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<tr>
<td>OFFICE OF THE INSPECTOR GENERAL—CYBER</td>
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### SEC. 4501. OTHER AUTHORIZATIONS

(In Thousands of Dollars)

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<th>Item</th>
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<th>House Authorized</th>
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<td>OFFICE OF THE INSPECTOR GENERAL—PROCUREMENT</td>
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**DEFENSE HEALTH PROGRAM**

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<td>Program decrease</td>
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<tr>
<td>Reverse DWR savings from downsizing MTFs</td>
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<td>PRIVATE SECTOR CARE</td>
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<td>CONSOLIDATED HEALTH SUPPORT</td>
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<td>1,348,269</td>
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<td>Global Emerging Infectious Surveillance Program</td>
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<td>MANAGEMENT ACTIVITIES</td>
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<td>EDUCATION AND TRAINING</td>
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<td>Health Professions Scholarship Program</td>
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<td>Restoring funding for Tri-Service Nursing Research Program within USUHS</td>
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<td>[6,000]</td>
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<td>Medical Surge Partnership Pilot</td>
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<td>R&amp;D RESEARCH</td>
<td>8,913</td>
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<td>R&amp;D EXPLORATORY DEVELOPMENT</td>
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<td>Freeze-dried platelets</td>
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<td>R&amp;D CAPABILITIES ENHANCEMENT</td>
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<td>PROC REPLACEMENT &amp; MODERNIZATION</td>
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<td>PROC MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER</td>
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<td>PROC DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION</td>
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<td>SOFTWARE &amp; DIGITAL TECHNOLOGY PILOT PROGRAMS</td>
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<td>UNDISTRIBUTED</td>
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<td><strong>TOTAL OTHER AUTHORIZATIONS</strong></td>
<td><strong>36,069,850</strong></td>
<td><strong>36,665,712</strong></td>
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1. **SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS.**

2. **TINGENCY OPERATIONS.**

### SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

(In Thousands of Dollars)

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<th>Item</th>
<th>FY 2021 Request</th>
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<td>ARMY SUPPLY MANAGEMENT</td>
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<td><strong>TOTAL WORKING CAPITAL FUND, ARMY</strong></td>
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OFFICE OF THE INSPECTOR GENERAL
SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

<table>
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<th>Item</th>
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<tr>
<td>DEFENSE HEALTH PROGRAM</td>
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<td>IN-HOUSE CARE</td>
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<td>PRIVATE SECTOR CARE</td>
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<td><strong>TOTAL DEFENSE HEALTH PROGRAM</strong></td>
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<td><strong>TOTAL OTHER AUTHORIZATIONS</strong></td>
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1

TITLE XLVI—MILITARY CONSTRUCTION

2

SEC. 4601. MILITARY CONSTRUCTION.

3

<table>
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<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
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<th>House Authorized</th>
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<tbody>
<tr>
<td>Army</td>
<td>Alaska</td>
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<tr>
<td>Army</td>
<td>Fort Wainwright</td>
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<td>Arizona</td>
<td>Yuma Proving Ground Colorado</td>
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<td>Fort Carson, Colorado Georgia</td>
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<td>Army</td>
<td>Fort Gillen</td>
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<td>Hawaii</td>
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<td>Fort Polk, Louisiana</td>
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<td>Army</td>
<td>McAlister AAP</td>
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<td>Army</td>
<td>Carlisle Barracks South Carolina</td>
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<td>Army</td>
<td>Fort Jackson</td>
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<tr>
<td>Virginia</td>
<td>Humphreys Engineer Center</td>
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<tr>
<td>Worldwide Unspecified Locations</td>
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<td>Army</td>
<td>Host Nation Support</td>
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<td>Army</td>
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<tr>
<td>Military Construction, Army Total</td>
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<td>650,136</td>
<td>715,836</td>
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</table>

Arizona | Yuma | Bachelor Enlisted Quarters Replacement | 0 | 59,000 |
Bahrain Island | | | |
Navy | SW Asia | Ship to Shore Utility Services | 68,340 | 68,340 |
California | Camp Pendleton, California | 1st MABDIV Operations Complex | 68,530 | 68,530 |
Navy | Camp Pendleton, California | I MRF Consolidated Information Center (Inc) | 37,000 | 37,000 |
Navy | Lemoore | F-35C Hangar 6 Phase 2 (Mod 4/4) | 128,070 | 98,070 |
Navy | Lemoore | F-35C Simulator Facility & Electrical Upgrade | 59,150 | 59,150 |
Navy | San Diego | Pier 6 Replacement | 125,500 | 98,500 |

July 7, 2020 (2:36 p.m.)

(769855516)
### SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2021 Request</th>
<th>House Agreement</th>
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<tbody>
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<td>Twenty-nine Palms, California</td>
<td>Wastewater Treatment Plant</td>
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<td>Communication Center</td>
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<td>Andersen AFB, Guam</td>
<td>Ordnance Operations Admin</td>
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<td>Navy</td>
<td>Joint Region Marianas</td>
<td>barracks renovated quarters</td>
<td>50,000</td>
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<td>Base Warehouse</td>
<td>55,410</td>
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<td>Central Fuel Station</td>
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<td>Central Issue Facility</td>
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<td>Combined EOD Facility</td>
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<td>DAR Bridge Improvements</td>
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<td>Distribution Warehouse</td>
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<td>Individual Combat Skills Training</td>
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<td>Joint Communication Upgrade</td>
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<td>Joint Base Pearl Harbor-Hickam</td>
<td>Waterfront Improvement, Wharves 81-11-18,20-21</td>
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<td>Hawaii</td>
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<td>Waterfront Improvements Wharves 88-80-10</td>
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<td>Yokosuka, Japan</td>
<td>Pier 5 (Berths 2 and 3) (Inc)</td>
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<td>Maine</td>
<td>Kittery, Maine</td>
<td>Multi-Mission Drydock #1 Exten., Ph. 1 (Inc)</td>
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<td>Fallon, Nevada</td>
<td>Range Training Complex, Phase 1</td>
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<td>Camp Lejeune, North Carolina</td>
<td>II MEF Operations Center Replacement (Inc)</td>
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<td>Spain</td>
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<td>MH-60R Squadron Support Facilities</td>
<td>60,110</td>
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<td>Virginia</td>
<td>Norfolk, Virginia</td>
<td>E-2D Training Facility</td>
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<td>Norfolk, Virginia</td>
<td>MH-60 &amp; CH-52H Corrosion Control &amp; Paint facilities</td>
<td>17,671</td>
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<td>Worldwide Unspecified</td>
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<td>Unspecified Worldwide Locations</td>
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Military Construction, Navy Total: 1,975,606

| California | Edwards AFB | Flight Test Engineering Laboratory Complex | 0 | 40,000 |
| Colorado  | Schriever AFB | Consolidated Space Operations Facility, Inc 2 | 88,000 | 88,000 |
| Florida   | Eglin | Advanced Munitions Technology Complex | 0 | 35,000 |
| Guam      | Joint Region Marianas | Stand Off Weapons Complex, USAF 2 | 56,000 | 56,000 |
| Illinois  | Joint Region Marianas | Add/Alter Consolidated Communications Facility | 0 | 3,000 |
| Maryland  | Joint Base Andrews | Consolidated Communications Center | 0 | 13,000 |
| Montana  | Malmstrom AFB | Weapons Storage & Maintenance Facility, Inc 2 | 23,000 | 0 |
| New Jersey | Joint Base McGuire-Dix-Lakehurst | Munitions Storage Area | 22,000 | 22,000 |
| Qatar     | Al Udeid, Qatar | Cargo Marshalling Yard | 26,000 | 26,000 |
| Texas     | Joint Base San Antonio | EMD Recruit Dormitory 8, Inc 2 | 36,000 | 36,000 |
| Utah      | Joint Base San Antonio | TX JDL, Ground Based Tensysis Sim | 19,500 | 19,500 |
| Virginia  | Hill AFB | GBSD Mission Integration Facility, Inc 2 | 68,000 | 68,000 |
| Virginia  | Joint Base Langley-Richardson | Aces Control Point Main Gate with Land Area | 19,500 | 19,500 |
## MILITARY CONSTRUCTION (In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Account</th>
<th>State/Country and Installation</th>
<th>Project Title</th>
<th>FY 2021 Request</th>
<th>House Agreement</th>
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<tbody>
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<td>EK Warren</td>
<td>Weapons Storage Facility</td>
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Military Construction, Air Force Total: 767,132 / 661,249
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<tbody>
<tr>
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<td>Construct Intelligence Facility Central Utility Plant</td>
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<td>Def-Wide</td>
<td>Wright-Patterson AFB Tennessee</td>
<td>Hydrazine Fuel System</td>
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<td>Def-Wide</td>
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<td>PV Arrays and Battery Storage</td>
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<td>Fort Hood, Texas Virginia</td>
<td>Fuel Facilities</td>
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### SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

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Family Housing Operation And Maintenance, Army Total ....................................................... 367,142 392,142

| FH Con Navy | Unspecified Worldwide Locations | Construction Improvements | 37,043 | 37,043 |
| FH Con Navy | Unspecified Worldwide Locations | Planning & Design | 3,128 | 3,128 |
| FH Con Navy | Unspecified Worldwide Locations | USMC DPRI/Guam Planning and Design | 2,726 | 2,726 |

Family Housing Construction, Navy And Marine Corps Total .................................................. 42,897 42,897

| FH Ops Navy | Unspecified Worldwide Locations | Furnishings | 17,977 | 17,977 |
| FH Ops Navy | Unspecified Worldwide Locations | Housing Privatization Support | 53,700 | 78,700 |
| FH Ops Navy | Unspecified Worldwide Locations | Leasing | 62,658 | 62,658 |
| FH Ops Navy | Unspecified Worldwide Locations | Maintenance | 85,630 | 110,630 |
| FH Ops Navy | Unspecified Worldwide Locations | Management | 51,006 | 51,006 |
| FH Ops Navy | Unspecified Worldwide Locations | Miscellaneous | 350 | 350 |
| FH Ops Navy | Unspecified Worldwide Locations | Services | 16,743 | 16,743 |
| FH Ops Navy | Unspecified Worldwide Locations | Utilities | 56,429 | 56,429 |

Family Housing Operation And Maintenance, Navy And Marine Corps Total ................................................. 346,493 396,493

| FH Con AF | Unspecified Worldwide Locations | Construction Improvements | 94,245 | 94,245 |
| FH Con AF | Unspecified Worldwide Locations | Planning & Design | 2,969 | 2,969 |

Family Housing Construction, Air Force Total ............................................................... 97,214 97,214

| FH Ops AF | Unspecified Worldwide Locations | Furnishings | 25,805 | 25,805 |
| FH Ops AF | Unspecified Worldwide Locations | Housing Privatization | 23,175 | 23,175 |
| FH Ops AF | Unspecified Worldwide Locations | Leasing | 9,318 | 9,318 |
| FH Ops AF | Unspecified Worldwide Locations | Maintenance | 140,666 | 165,666 |
| FH Ops AF | Unspecified Worldwide Locations | Management | 64,732 | 99,732 |
| FH Ops AF | Unspecified Worldwide Locations | Miscellaneous | 2,184 | 2,184 |
| FH Ops AF | Unspecified Worldwide Locations | Services | 7,968 | 7,968 |
| FH Ops AF | Unspecified Worldwide Locations | Utilities | 41,173 | 41,173 |

Family Housing Operation And Maintenance, Air Force Total ................................................. 337,021 377,021
### SEC. 4601. MILITARY CONSTRUCTION

#### (In Thousands of Dollars)

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### SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS

#### (In Thousands of Dollars)

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SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

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1  TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

4  SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

5  SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

<table>
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6  Nuclear Energy

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8  Stockpile Management

10 Stockpile Major Modernization

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<td>W88 Alt 470</td>
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<td>W80–4 Life extension program</td>
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12 Stockpile services

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<td>Stockpile Sustainment</td>
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Weapons Activities

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<td>Primary Capability Modernization</td>
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<tr>
<td>Plutonium Modernization</td>
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<tr>
<td>Los Alamos Plutonium Modernization</td>
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SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)
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<td><strong>Defense Environmental Cleanup</strong></td>
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<td><strong>Richland</strong></td>
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<td>River corridor and other cleanup operations</td>
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<td>Program restoration</td>
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SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

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<th>House Authorized</th>
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<td>Richland community and regulatory support</td>
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<td>Program restoration</td>
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<td><strong>Total, Hanford site</strong></td>
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<td>904,384</td>
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Office of River Protection:
- Waste Treatment Immobilization Plant Commissioning | 50,000 | 50,000 |
- Rad liquid tank waste stabilization and disposition | 597,757 | 597,757 |
- Tank farm activities                                | 0    | 180,000 |
- Program restoration                                 | [180,000]    |        |

**Construction:**
- 18-D-16 Waste treatment and immobilization plant—LBL/Direct feed LAW | 609,924 | 779,924 |
- Program restoration                                     | [170,000]    |        |

**Total, Construction** | 609,924 | 779,924 |

**Total, Office of River Protection** | 1,257,681 | 1,607,681 |

Idaho National Laboratory:
- Idaho cleanup and waste disposition                  | 257,554 | 257,554 |
- Idaho community and regulatory support               | 2,400  | 2,400  |

**Total, Idaho National Laboratory** | 259,954 | 259,954 |

NNSA sites and Nevada off-sites:
- Lawrence Livermore National Laboratory              | 1,764  | 1,764  |

Nuclear facility D & D
- Separations Process Research Unit                   | 15,000 | 15,000 |
- Nevada                                             | 60,737 | 60,737 |
- Sandia National Laboratories                        | 4,860  | 4,860  |
- Los Alamos National Laboratory                      | 120,000| 165,000|
- Program increase                                     | [45,000] |        |

**Total, NNSA sites and Nevada off-sites** | 202,361 | 247,361 |

Oak Ridge Reservation:
- OR Nuclear facility D & D                           | 109,077| 109,077|
- Total, OR Nuclear facility D & D                    | 109,077| 109,077|
- U233 Disposition Program                            | 45,000 | 45,000 |
- OR cleanup and disposition                          | 58,000 | 58,000 |

**Construction:**
- 17-D-401 On-site waste disposal facility            | 22,380 | 22,380 |
- 14-D-403 Outfall 280 Mercury Treatment Facility    | 20,500 | 20,500 |

**Total, Construction** | 42,880 | 42,880 |

**Total, OR cleanup and waste disposition** | 145,880 | 145,880 |

- OR community & regulatory support                   | 4,930  | 4,930  |
- OR technology development and deployment            | 3,000  | 3,000  |

**Total, Oak Ridge Reservation** | 262,887 | 262,887 |

Savannah River Sites:
- Savannah River risk management operations           | 455,122| 495,122|
- II-Canyon not placed into stand-by condition        | [40,000] |        |

**Total, risk management operations** | 455,122 | 495,122 |

- SR community and regulatory support                 | 4,989  | 11,489 |
- Secure payment in lieu of taxes funding             | [6,500] |        |
- Radioactive liquid tank waste stabilization and disposition | 970,332| 970,332|

**Construction:**
- 20-D-402 Advanced Manufacturing Collaborative Facility (AMC) | 25,000 | 25,000 |
- 18-D-402 Saltstone Disposal Unit #8/9                | 65,500 | 65,500 |
- 17-D-402 Saltstone Disposal Unit #7                  | 10,716 | 10,716 |

**Total, Construction** | 101,216 | 101,216 |

**Total, Savannah River site** | 1,531,659 | 1,578,159 |

Waste Isolation Pilot Plant
- Waste Isolation Pilot Plant                         | 323,260| 323,260|

**Construction:**
- 15-D-412 Utility Saft                              | 50,000 | 50,000|

g:\VHLC\070720\070720.177.xml  (76985516)
July 7, 2020 (2:36 p.m.)
### SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

(In Thousands of Dollars)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2021 Request</th>
<th>House Authorized</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-D–401 Hoisting Capability Project</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Total, Construction</td>
<td>60,000</td>
<td>60,000</td>
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<tr>
<td>Total, Waste Isolation Pilot Plant</td>
<td>383,260</td>
<td>383,260</td>
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<tr>
<td>Program direction</td>
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<td>Program support</td>
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<td>Technology development</td>
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<td>Safeguards and Security</td>
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<td>Prior year balances credited</td>
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<td>–109,000</td>
</tr>
<tr>
<td>Total, Defense Environmental Cleanup</td>
<td>4,983,608</td>
<td>5,773,708</td>
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</tbody>
</table>

**Other Defense Activities**

**Environment, health, safety and security**

| Environment, health, safety and security | 134,329 | 134,329 |
| Program direction | 75,368 | 75,368 |
| Total, Environment, Health, safety and security | 209,688 | 209,688 |

**Independent enterprise assessments**

| Independent enterprise assessments | 26,949 | 26,949 |
| Program direction | 54,635 | 54,635 |
| Total, Independent enterprise assessments | 81,584 | 81,584 |

**Specialized security activities**

| Specialized security activities | 258,411 | 258,411 |

**Office of Legacy Management**

| Legacy management | 293,873 | 138,435 |
| Rejection of proposed transfer | [–155,438] | |
| Program direction | 23,120 | 23,120 |
| Total, Office of Legacy Management | 316,993 | 161,555 |

| Defense related administrative support | 183,789 | 183,789 |
| Office of hearings and appeals | 4,262 | 4,262 |
| Subtotal, Other defense activities | 1,054,727 | 899,289 |
| Total, Other Defense Activities | 1,054,727 | 899,289 |

1. **DIVISION E—NATIONAL ARTIFICIAL INTELLIGENCE INITIATIVE ACT OF 2020**

2. **SEC. 5001. SHORT TITLE.**

3. This division may be cited as the “National Artificial Intelligence Initiative Act of 2020”.

4. **SEC. 5002. FINDINGS.**

5. Congress finds the following:
(1) Artificial intelligence is a tool that has the potential to change and possibly transform every sector of the United States economy and society.

(2) The Federal Government should continue to play an important role advancing research, development, standards, and education activities in artificial intelligence through coordination and collaboration between government, academia, and the private sector to leverage the intellectual, physical, and digital resources of each stakeholder.

(3) The Federal Government lacks clear understanding of the capabilities of artificial intelligence and its potential to affect various social and economic sectors, including ethical concerns, national security implications, and workforce impacts.

(4) Researchers from academia, Federal laboratories, and much of the private sector have limited access to many high-quality datasets, computing resources, or real-world testing environments to design and deploy safe and trustworthy artificial intelligence systems.

(5) There is a lack of standards and benchmarking for artificial intelligence systems that academia and the public and private sectors can use.
to evaluate the performance of these systems before and after deployment.

(6) Artificial intelligence is increasingly becoming a highly interdisciplinary field with expertise required from a diverse range of scientific and other scholarly disciplines that traditionally work independently and continue to face cultural and institutional barriers to large scale collaboration.

(7) Current Federal investments and funding mechanisms are largely insufficient to incentivize and support the large-scale interdisciplinary and public-private collaborations that will be required to advance trustworthy artificial intelligence systems in the United States.

(8) The United States education pipeline for artificial intelligence fields faces significant challenges. Not only does the artificial intelligence research field lack the gender and racial diversity of the American population as a whole, but it is failing to both retain researchers and adequately support educators to meet the demands of the next generation of students studying artificial intelligence.

(9) In order to help drive forward advances in trustworthy artificial intelligence across all sectors and to the benefit of all Americans, the Federal
Government must provide sufficient resources and use its convening power to facilitate the growth of artificial intelligence human capital, research, and innovation capacity in academia and other nonprofit research organizations, companies of all sizes and across all sectors, and within the Federal Government.

SEC. 5003. DEFINITIONS.

In this division:

(1) Advisory Committee.—The term “Advisory Committee” means the National Artificial Intelligence Advisory Committee established under section 5104(a).

(2) Agency Head.—The term “agency head” means the head of any Executive agency (as defined in section 105 of title 5, United States Code).

(3) Artificial Intelligence.—The term “artificial intelligence” means a machine-based system that can, for a given set of human-defined objectives, make predictions, recommendations or decisions influencing real or virtual environments. Artificial intelligence systems use machine and human-based inputs to—

(A) perceive real and virtual environments;
(B) abstract such perceptions into models through analysis in an automated manner; and
(C) use model inference to formulate options for information or action.

(4) INITIATIVE.—The term “Initiative” means the National Artificial Intelligence Initiative established under section 5101(a).

(5) INITIATIVE OFFICE.—The term “Initiative Office” means the National Artificial Intelligence Initiative Office established under section 5102(a).

(6) INSTITUTE.—The term “Institute” means an Artificial Intelligence Research Institute described in section 201(b)(1).

(7) INTERAGENCY COMMITTEE.—The term “Interagency Committee” means the interagency committee established under section 5103(a).

(8) K-12 EDUCATION.—The term “K-12 education” means elementary school and secondary education, as such terms are defined in section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7801).

(9) MACHINE LEARNING.—The term “machine learning” means an application of artificial intelligence that is characterized by providing systems the ability to automatically learn and improve on the
basis of data or experience, without being explicitly
programmed.

TITLE I—NATIONAL ARTIFICIAL
INTELLIGENCE INITIATIVE

SEC. 5101. NATIONAL ARTIFICIAL INTELLIGENCE INITIATIVE.

(a) Establishment; Purposes.—The President
shall establish and implement an initiative to be known
as the “National Artificial Intelligence Initiative”. The
purposes of the Initiative shall be to—

(1) ensure continued United States leadership
in artificial intelligence research and development;

(2) lead the world in the development and use
of trustworthy artificial intelligence systems in the
public and private sectors;

(3) maximize the benefits of artificial intel-
ligence systems for all American people; and

(4) prepare the present and future United
States workforce for the integration of artificial in-
telligence systems across all sectors of the economy
and society.

(b) Initiative Activities.—In carrying out the Ini-
tiative, the President, acting through the Initiative Office,
the Interagency Committee, and agency heads as the
President considers appropriate, shall carry out activities that include the following:

(1) Sustained, consistent, and coordinated support for artificial intelligence research and development through grants, cooperative agreements, testbeds, and access to data and computing resources.

(2) Support for the development of voluntary standards, best practices, and benchmarks for the development and use of trustworthy artificial intelligence systems.

(3) Support for educational programs at all levels, in both formal and informal learning environments, to prepare the American workforce and the general public to be able to use and interact with artificial intelligence systems, as well as adapt to the potentially transformative impact of artificial intelligence on society and the economy.

(4) Support for interdisciplinary research, education, and training programs for students and researchers that promote learning in the methods and systems used in artificial intelligence and foster interdisciplinary perspectives and collaborations among subject matter experts in relevant fields, including computer science, mathematics, statistics,
engineering, social sciences, psychology, behavioral
science, ethics, security, legal scholarship, and other
disciplines that will be necessary to advance artificial
intelligence research and development responsibly.

(5) Support for partnerships to leverage knowl-
edge, computing resources, access to open datasets,
and other resources from industry, government, non-
profit organizations, Federal laboratories, State pro-
grams, and institutions of higher education to ad-
advance activities under the Initiative.

(6) Interagency planning and coordination of
Federal artificial intelligence research, development,
demonstration, standards engagement, and other ac-
tivities under the Initiative.

(7) Establish the public sector infrastructure
and artificial intelligence capabilities necessary to re-
respond to pressing national challenges, including eco-
omic and public health emergencies such as
pandemics.

(8) Outreach to diverse stakeholders, including
citizen groups and industry, to ensure public input
is taken into account in the activities of the Initia-
tive.

(9) Leveraging existing Federal investments to
advance objectives of the Initiative.
(10) Support for a network of interdisciplinary artificial intelligence research institutes, as described in section 5201(b)(7)(B).

(11) Support opportunities for international cooperation with strategic allies, as appropriate, on the research and development, assessment, and resources for trustworthy artificial intelligence systems and the development of voluntary consensus standards for those systems.

SEC. 5102. NATIONAL ARTIFICIAL INTELLIGENCE INITIATIVE OFFICE.

(a) In General.—The Director of the Office of Science and Technology Policy shall establish or designate, and appoint a director of, an office to be known as the “National Artificial Intelligence Initiative Office” to carry out the responsibilities described in subsection (b) with respect to the Initiative. The Initiative Office shall have sufficient staff to carry out such responsibilities, including staff detailed from the Federal departments and agencies described in section 5103(c).

(b) Responsibilities.—The Director of the Initiative Office shall—

(1) provide technical and administrative support to the Interagency Committee and the Advisory Committee;
(2) serve as the point of contact on Federal artificial intelligence activities for Federal departments and agencies, industry, academia, nonprofit organizations, professional societies, State governments, and such other persons as the Initiative Office considers appropriate to exchange technical and programmatic information; 

(3) conduct regular public outreach to diverse stakeholders, including through the convening of conferences and educational events, the publication of information about significant Initiative activities on a publicly available website, and the dissemination of findings and recommendations of the Advisory Committee, as appropriate; and 

(4) promote access to and early adoption of the technologies, innovations, lessons learned, and expertise derived from Initiative activities to agency missions and systems across the Federal Government, and to industry, including startup companies.

(c) FUNDING ESTIMATE.—The Director of the Office of Science and Technology Policy shall develop an estimate of the funds necessary to carry out the activities of the Initiative Coordination Office, including an estimate of how much each participating Federal department and agency described in section 5103(c) will contribute to such
funds, and submit such estimate to Congress not later than 90 days after the enactment of this Act. The Director shall update this estimate each year based on participating agency investments in artificial intelligence.

SEC. 5103. COORDINATION BY INTERAGENCY COMMITTEE.

(a) INTERAGENCY COMMITTEE.—The Director of the Office of Science and Technology Policy, acting through the National Science and Technology Council, shall establish or designate an Interagency Committee to coordinate Federal programs and activities in support of the Initiative.

(b) CO-CHAIRS.—The Interagency Committee shall be co-chaired by the Director of the Office of Science and Technology Policy and, on an annual rotating basis, a representative from the National Institute of Standards and Technology, the National Science Foundation, or the Department of Energy, as selected by the Director of the Office of Science and Technology Policy.

(c) AGENCY PARTICIPATION.—The Committee shall include representatives from—

(1) the National Institute of Standards and Technology;

(2) the National Science Foundation;

(3) the Department of Energy;
(4) the National Aeronautics and Space Administration;

(5) the Department of Defense;

(6) the Defense Advanced Research Projects Agency;

(7) the Department of Commerce;

(8) the Office of the Director of National Intelligence;

(9) the Office of Management and Budget;

(10) the Office of Science and Technology Policy;

(11) the Department of Health and Human Services;

(12) the Department of Education;

(13) the Department of Labor;

(14) the Department of the Treasury;

(15) the General Services Administration;

(16) the Department of Transportation;

(17) the Department of State;

(18) the Department of Veterans Affairs; and

(19) any other Federal agency as considered appropriate by the Director of the Office of Science and Technology Policy.

(d) RESPONSIBILITIES.—The Interagency Committee shall—
(1) provide for interagency coordination of Federal artificial intelligence research, development, and demonstration activities, development of voluntary consensus standards and guidelines for research, development, testing, and adoption of ethically developed, safe, and trustworthy artificial intelligence systems, and education and training activities and programs of Federal departments and agencies undertaken pursuant to the Initiative;

(2) not later than 2 years after the date of the enactment of this Act, develop a strategic plan for artificial intelligence (to be updated not less than every 3 years) that—

(A) establishes goals, priorities, and metrics for guiding and evaluating the Initiative’s activities; and

(B) describes how the agencies carrying out the Initiative will—

(i) determine and prioritize areas of artificial intelligence research, development, and demonstration requiring Federal Government leadership and investment;

(ii) support long-term funding for interdisciplinary artificial intelligence re-
search, development, demonstration, education and public outreach activities;

(iii) support research and other activities on ethical, legal, environmental, safety, security, and other appropriate societal issues related to artificial intelligence;

(iv) provide or facilitate the availability of curated, standardized, secure, representative, and privacy-protected data sets for artificial intelligence research and development;

(v) provide or facilitate the necessary computing, networking, and data facilities for artificial intelligence research and development;

(vi) support and coordinate Federal education and workforce activities related to artificial intelligence;

(vii) reduce barriers to transferring artificial intelligence systems from the laboratory into application for the benefit of society and United States competitiveness;

(viii) support and coordinate the network of artificial intelligence research institutes described in section 5201(b)(7)(B);
(ix) in consultation with the Council of Economic Advisers, measure and track the contributions of artificial intelligence to United States economic growth and other societal indicators; and

(x) leverage the resources of the Initiative to respond to pressing national challenges, including economic and public health emergencies such as pandemics;

(3) propose an annually coordinated interagency budget for the Initiative to the Office of Management and Budget that is intended to ensure that the balance of funding across the Initiative is sufficient to meet the goals and priorities established for the Initiative; and

(4) in carrying out this section, take into consideration the recommendations of the Advisory Committee, existing reports on related topics, and the views of academic, State, industry, and other appropriate groups.

(e) **ANNUAL REPORT.**—For each fiscal year beginning with fiscal year 2022, not later than 90 days after submission of the President’s annual budget request for such fiscal year, the Interagency Committee shall prepare and submit to the Committee on Science, Space, and
Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report that includes—

(1) a summarized budget in support of the Initiative for such fiscal year and the preceding fiscal year, including a disaggregation of spending for each Federal agency participating in the Initiative and for the development and acquisition of any research facilities and instrumentation; and

(2) an assessment of how Federal agencies are implementing the plan described in subsection (d)(2), and a description of those efforts.

SEC. 5104. NATIONAL ARTIFICIAL INTELLIGENCE ADVISORY COMMITTEE.

(a) IN GENERAL.—The Secretary of Energy shall, in consultation with the Director of the Office of Science and Technology Policy, establish an advisory committee to be known as the “National Artificial Intelligence Advisory Committee”.

(b) QUALIFICATIONS.—The Advisory Committee shall consist of members, appointed by the Secretary of Energy, who are representing broad and interdisciplinary expertise and perspectives, including from academic institutions, companies across diverse sectors, nonprofit and civil society entities, and Federal laboratories, that are
qualified to provide advice and information on science and technology research, development, ethics, standards, education, technology transfer, commercial application, security, and economic competitiveness related to artificial intelligence.

(c) MEMBERSHIP CONSIDERATION.—In selecting the members of the Advisory Committee, the Secretary of Energy may seek and give consideration to recommendations from the Congress, industry, nonprofit organizations, the scientific community (including the National Academy of Sciences, scientific professional societies, and academic institutions), the defense community, and other appropriate organizations.

(d) DUTIES.—The Advisory Committee shall advise the President and the Initiative Office on matters related to the Initiative, including recommendations related to—

(1) the current state of United States competitiveness and leadership in artificial intelligence, including the scope and scale of United States investments in artificial intelligence research and development in the international context;

(2) the progress made in implementing the Initiative, including a review of the degree to which the Initiative has achieved the goals under the metrics
established by the Interagency Committee under section 5103(d)(2);

(3) the state of the science around artificial intelligence, including progress towards artificial general intelligence;

(4) the need to update the Initiative;

(5) the balance of activities and funding across the Initiative;

(6) whether the strategic plan developed or updated by the Interagency Committee established under section 5103(d)(2) is helping to maintain United States leadership in artificial intelligence;

(7) the management, coordination, and activities of the Initiative;

(8) whether ethical, legal, safety, security, and other appropriate societal issues are adequately addressed by the Initiative; and

(9) opportunities for international cooperation with strategic allies on artificial intelligence research activities and standards development.

(e) REPORTS.—Not later than 1 year after the date of the enactment of this Act, and not less frequently than once every 3 years thereafter, the Advisory Committee shall submit to the President, the Committee on Science, Space, and Technology of the House of Representatives,
and the Committee on Commerce, Science, and Transportation of the Senate, a report on the Advisory Committee’s findings and recommendations under subsection (d).

(f) **Travel Expenses of Non-Federal Members.**—Non-Federal members of the Advisory Committee, while attending meetings of the Advisory Committee or while otherwise serving at the request of the head of the Advisory Committee away from their homes or regular places of business, may be allowed travel expenses, including per diem in lieu of subsistence, as authorized by section 5703 of title 5, United States Code, for individuals in the Government serving without pay. Nothing in this subsection shall be construed to prohibit members of the Advisory Committee who are officers or employees of the United States from being allowed travel expenses, including per diem in lieu of subsistence, in accordance with existing law.

(g) **FACA Exemption.**—The Secretary of Energy shall charter the Advisory Committee in accordance with the Federal Advisory Committee Act (5 U.S.C. App.), except that the Advisory Committee shall be exempt from section 14 of such Act.
SEC. 5105. NATIONAL ACADEMIES ARTIFICIAL INTELLIGENCE IMPACT STUDY ON WORKFORCE.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the National Science Foundation shall enter into a contract with the National Research Council of the National Academies of Sciences, Engineering, and Medicine to conduct a study of the current and future impact of artificial intelligence on the workforce of the United States across sectors.

(b) CONTENTS.—The study shall address—

(1) workforce impacts across sectors caused by the increased adoption of artificial intelligence, automation, and other related trends;

(2) workforce needs and employment opportunities generated by the increased adoption of artificial intelligence across sectors;

(3) research gaps and data needed to better understand and track both workforce impacts and workforce needs and opportunities generated by adoption of artificial intelligence systems across sectors; and

(4) recommendations to address the challenges and opportunities described in paragraphs (1), (2), and (3).

(c) STAKEHOLDERS.—In conducting the study, the National Academies of Sciences, Engineering, and Medi-
cine shall seek input from a wide range of stakeholders in the public and private sectors.

(d) REPORT TO CONGRESS.—The contract entered into under subsection (a) shall require the National Academies of Sciences, Engineering, and Medicine, not later than 2 years after the date of the enactment of this Act, to—

(1) submit to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report containing the findings and recommendations of the study conducted under subsection (a); and

(2) make a copy of such report available on a publicly accessible website.

SEC. 5106. GAO REPORT ON COMPUTATIONAL NEEDS.

(a) IN GENERAL.—Not later than 1 year after the date of the enactment of this Act, the Comptroller General of the United States shall conduct a study of artificial intelligence computer hardware and computing required in order to maintain U.S. leadership in artificial intelligence research and development. The Comptroller General shall—

(1) assess the composition of civilian computing resources supported by the Federal Government at
universities and Federal Laboratories, including programs with laboratory computing, high performance computing, cloud computing, quantum computing, edge computing, and other computing resources;

(2) evaluate projected needs for computing consumption and performance required by the public and private sector for the training, auditing, validation, testing, and use of artificial intelligence over the next five years; and

(3) offer recommendations to meet these projected needs.

SEC. 5107. NATIONAL AI RESEARCH RESOURCE TASK FORCE.

(a) Establishment of Task Force.—

(1) Establishment.—

(A) In general.—The Director of the National Science Foundation, in coordination with the Office of Science and Technology Policy, shall establish a task force—

(i) to investigate the feasibility and advisability of establishing and sustaining a national artificial intelligence research resource; and
(ii) to propose a roadmap detailing how such resource should be established and sustained.

(B) DESIGNATION.—The task force established by subparagraph (A) shall be known as the “National Artificial Intelligence Research Resource Task Force” (in this section referred to as the “Task Force”).

(2) MEMBERSHIP.—

(A) COMPOSITION.—The Task Force shall be composed of 12 members selected by the co-chairpersons of the Task Force from among technical experts in artificial intelligence or related subjects, of whom—

(i) 4 shall be representatives from the Interagency Committee established in section 5103, including the co-chairpersons of the Task Force;

(ii) 4 shall be representatives from institutions of higher education (as such term is defined in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001)); and

(iii) 4 shall be representatives from private organizations.
(B) APPOINTMENT.—Not later than 120 days after enactment of this Act, the co-chairpersons of the Task Force shall appoint members to the Task Force pursuant to subparagraph (A).

(C) TERM OF APPOINTMENT.—Members of the Task Force shall be appointed for the life of the Task Force.

(D) VACANCY.—Any vacancy occurring in the membership of the Task Force shall be filled in the same manner in which the original appointment was made.

(E) CO-CHAIRPERSONS.—The Director of the Office of Science and Technology Policy and the Director of the National Sciences Foundation, or their designees, shall be the co-chairpersons of the Task Force. If the role of the Director of the National Science Foundation is vacant, the Chair of the National Science Board shall act as a co-chairperson of the Task Force.

(F) EXPENSES FOR NON-FEDERAL MEMBERS.—Non-Federal Members of the Task Force shall be allowed travel expenses, including per diem in lieu of subsistence, at rates authorized for employees under subchapter I of
chapter 57 of title 5, United States Code, while away from their homes or regular places of business in the performance of services for the Task Force.

(b) ROADMAP AND IMPLEMENTATION PLAN.—

(1) IN GENERAL.—The Task Force shall develop a coordinated roadmap and implementation plan for creating and sustaining a National Artificial Intelligence Research Resource.

(2) CONTENTS.—The roadmap and plan required by paragraph (1) shall include the following:

(A) Goals for establishment and sustainment of a national artificial intelligence research resource and metrics for success.

(B) A plan for ownership and administration of the National Artificial Intelligence Research Resource, including—

(i) an appropriate agency or organization responsible for the implementation, deployment, and administration of the Resource; and

(ii) a governance structure for the resource, including oversight and decision-making authorities.
(C) A model for governance and oversight to establish strategic direction, make pro-
grammatic decisions, and manage the allocation of resources;

(D) Capabilities required to create and maintain a shared computing infrastructure to facilitate access to computing resources for re-
searchers across the country, including scalability, secured access control, resident data engineering and curation expertise, provision of curated, data sets, compute resources, edu-
cational tools and services, and a user interface portal.

(E) An assessment of, and recommend so-
lutions to, barriers to the dissemination and use of high-quality government data sets as part of the national artificial intelligence research re-
source.

(F) An assessment of security require-
ments associated with the national artificial in-
telligence research resource and its research and recommend a framework for the manage-
ment of access controls.

(G) An assessment of privacy and civil lib-
erties requirements associated with the national
artificial intelligence research resource and its research.

(H) A plan for sustaining the resources, including through Federal funding and partnerships with the private sector.

(I) The parameters for the establishment and sustainment of the national artificial intelligence resource, including agency roles and responsibilities and milestones to implement the resource.

(c) Consultations.—In conducting its duties required under subsection (b), the Task Force shall consult with the following:

(1) The National Science Foundation.

(2) The Office of Science and Technology Policy.

(3) The National Academies of Sciences, Engineering, and Medicine.

(4) The National Institute of Standards and Technology.


(6) The Intelligence Advanced Research Projects Activity.

(7) The Department of Energy.
(8) The Department of Defense.
(9) The General Services Administration.
(10) Private industry.
(11) Institutions of higher education.
(12) Such other persons as the Task Force considers appropriate.

(d) STAFF.—Staff of the Task Force shall comprise detachees with expertise in artificial intelligence, or related fields from the Office of Science and Technology Policy, the National Science Foundation, or any other agency the co-chairs deem appropriate, with the consent of the head of the agency. The co-chairs shall also be authorized to hire staff from outside the Federal government for the duration of the task force.

(e) TASK FORCE REPORTS.—

(1) INITIAL REPORT.—Not later than 12 months after the date on which all of the appointments have been made under subsection (a)(2)(B), the Task Force shall submit to Congress and the President an interim report containing the findings, conclusions, and recommendations of the Task Force. The report shall include specific recommendations regarding steps the Task Force believes necessary for the establishment and sustainment of a national artificial intelligence research resource.
(2) Final report.—Taking into account the findings of the Government Accountability Office report required in section 106 of this Act, not later than 6 months after the submittal of the interim report under paragraph (1), the Task Force shall submit to Congress and the President a final report containing the findings, conclusions, and recommendations of the Task Force, including the specific recommendations required by subsection (b).

(f) Termination.—

(1) In general.—The Task Force shall terminate 90 days after the date on which it submits the final report under subsection (e)(2).

(2) Records.—Upon termination of the Task Force, all of its records shall become the records of the National Archives and Records Administration.

(g) Definitions.—In this section:

(1) National artificial intelligence research resource and resource.—The terms “National Artificial Intelligence Research Resource” and “Resource” mean a system that provides researchers and students across scientific fields and disciplines with access to compute resources, co-located with publicly-available, artificial intelligence-ready government and non-government data sets and
a research environment with appropriate educational tools and user support.

(2) OWNERSHIP.—The term “ownership” means responsibility and accountability for the implementation, deployment, and ongoing development of the National Artificial Intelligence Research Resource, and for providing staff support to that effort.

SEC. 5108. SENSE OF CONGRESS.

It is the sense of Congress that—

(1) artificial intelligence systems have the potential to transform every sector of the United States economy, boosting productivity, enhancing scientific research, and increasing U.S. competitiveness; and

(2) the United States Government should use this Initiative to enable the benefits of trustworthy artificial intelligence while preventing the creation and use of artificial intelligence systems that behave in ways that cause harm, including—

(A) high-risk systems that lack sufficient robustness to prevent adversarial attacks;

(B) high-risk systems that harm the privacy or security of users or the general public;
(C) artificial general intelligence systems that may become self-aware or uncontrollable.

TITLE II—NATIONAL ARTIFICIAL INTELLIGENCE RESEARCH INSTITUTES

SEC. 5201. NATIONAL ARTIFICIAL INTELLIGENCE RESEARCH INSTITUTES.

(a) In General.—As part of the Initiative, the Director of the National Science Foundation shall establish a program to award financial assistance for the planning, establishment, and support of Institutes (as described in subsection (b)(2)) in accordance with this section.

(b) Financial Assistance To Establish and Support National Artificial Intelligence Research Institutes.—

(1) In General.—Under the Initiative, the Secretary of Energy, the Secretary of Commerce, the Director of the National Science Foundation, and every other agency head may award financial assistance to an eligible entity, or consortia thereof, as determined by an agency head, to establish and support an Institute.

(2) Artificial Intelligence Institutes.—An Institute described in this subsection is an artificial intelligence research institute that—
(A) is focused on—

(i) a particular economic or social sector, including health, education, manufacturing, agriculture, security, energy, and environment, and includes a component that addresses the ethical, societal, safety, and security implications relevant to the application of artificial intelligence in that sector; or

(ii) a cross-cutting challenge for artificial intelligence systems, including trustworthiness, or foundational science;

(B) requires partnership among public and private organizations, including, as appropriate, Federal agencies, research universities, community colleges, nonprofit research organizations, Federal laboratories, State, local, and tribal governments, and industry (or consortia there-of);

(C) has the potential to create an innovation ecosystem, or enhance existing ecosystems, to translate Institute research into applications and products, as appropriate to the topic of each Institute;
(D) supports interdisciplinary research and development across multiple institutions and organizations involved in artificial intelligence research and related disciplines, including physics, engineering, mathematical sciences, computer and information science, robotics, biological and cognitive sciences, material science, social and behavioral sciences, cybersecurity, and technology ethics;

(E) supports interdisciplinary education activities, including curriculum development, research experiences, and faculty professional development across two-year, undergraduates, masters, and doctoral level programs; and

(F) supports workforce development in artificial intelligence related disciplines in the United States, including broadening participation of underrepresented communities.

(3) USE OF FUNDS.—Financial assistance awarded under paragraph (1) may be used by an Institute for—

(A) managing and making available to researchers accessible, curated, standardized, secure, and privacy protected data sets from the public and private sectors for the purposes of
training and testing artificial intelligence systems and for research using artificial intelligence systems, pursuant to section 5301(b) and 5301(e);

(B) developing and managing testbeds for artificial intelligence systems, including sector-specific test beds, designed to enable users to evaluate artificial intelligence systems prior to deployment;

(C) conducting research and education activities involving artificial intelligence systems to solve challenges with social, economic, health, scientific, and national security implications;

(D) providing or brokering access to computing resources, networking, and data facilities for artificial intelligence research and development relevant to the Institute’s research goals;

(E) providing technical assistance to users, including software engineering support, for artificial intelligence research and development relevant to the Institute’s research goals;

(F) engaging in outreach and engagement to broaden participation in artificial intelligence research and workforce; and
(G) such other activities that an agency head, whose agency’s missions contribute to or are affected by artificial intelligence, considers consistent with the purposes described in section 5101(a).

(4) DURATION.—

(A) INITIAL PERIODS.—An award of financial assistance under paragraph (1) shall be awarded for an initial period of 5 years.

(B) EXTENSION.—An established Institute may apply for, and the agency head may grant, extended funding for periods of 5 years on a merit-reviewed basis using the merit review criteria of the sponsoring agency.

(5) APPLICATION FOR FINANCIAL ASSISTANCE.—

(A) IN GENERAL.—A person or group of persons seeking financial assistance under paragraph (1) shall submit to an agency head an application at such time, in such manner, and containing such information as the agency head may require.

(B) REQUIREMENTS.—An application submitted under subparagraph (A) for an Institute shall, at a minimum, include the following:
(i) A plan for the Institute to include—

(I) the proposed goals and activities of the Institute;

(II) how the Institute will form partnerships with other research institutions, industry, and nonprofits to leverage expertise in artificial intelligence and access to data, including non-governmental data and computing resources;

(III) how the institute will support long-term and short-term education and workforce development in artificial intelligence, including broadening participation of underrepresented communities; and

(IV) a plan for how the Institute will transition from planning into operations.

(ii) A description of the anticipated sources and nature of any non-Federal contributions, including privately held data sets, computing resources, and other types of in-kind support.
(iii) A description of the anticipated long-term impact of such Institute.

(6) COMPETITIVE, MERIT REVIEW.—In awarding financial assistance under paragraph (1), the agency head shall—

(A) use a competitive, merit review process that includes peer review by a diverse group of individuals with relevant expertise from both the private and public sectors; and

(B) ensure the focus areas of the Institute do not substantially duplicate the efforts of any other Institute.

(7) COLLABORATION.—

(A) IN GENERAL.—In awarding financial assistance under paragraph (1), an agency head may collaborate with Federal departments and agencies whose missions contribute to or are affected by artificial intelligence systems, including the agencies outlined in section 5103(c).

(B) COORDINATING NETWORK.—The Director of the National Science Foundation shall establish a network of Institutes receiving financial assistance under this subsection, to be known as the “Artificial Intelligence Leadership Network”, to coordinate cross-cutting research
and other activities carried out by the Institutes.

(C) FUNDING.—The head of an agency may request, accept, and provide funds from other Federal departments and agencies, State, United States territory, local, or tribal government agencies, private sector for-profit entities, and nonprofit entities, to be available to the extent provided by appropriations Acts, to support an Institute’s activities. The head of an agency may not give any special consideration to any agency or entity in return for a donation.

TITLE III—NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY ARTIFICIAL INTELLIGENCE ACTIVITIES

SEC. 5301. NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY ACTIVITIES.

(a) IN GENERAL.—As part of the Initiative, the Director of the National Institute of Standards and Technology shall—

(1) support measurement research and development of best practices and voluntary standards for trustworthy artificial intelligence systems, including for—
(A) privacy and security, including for datasets used to train or test artificial intelligence systems and software and hardware used in artificial intelligence systems;

(B) advanced computer chips and hardware designed for artificial intelligence systems;

(C) data management and techniques to increase the usability of data, including strategies to systematically clean, label, and standardize data into forms useful for training artificial intelligence systems and the use of common, open licenses;

(D) safety and robustness of artificial intelligence systems, including assurance, verification, validation, security, control, and the ability for artificial intelligence systems to withstand unexpected inputs and adversarial attacks;

(E) auditing mechanisms and benchmarks for accuracy, transparency, verifiability, and safety assurance for artificial intelligence systems;

(F) applications of machine learning and artificial intelligence systems to improve other scientific fields and engineering;
(G) model documentation, including performance metrics and constraints, measures of fairness, training and testing processes, and results;

(H) system documentation, including connections and dependences within and between systems, and complications that may arise from such connections; and

(I) all other areas deemed by the Director to be critical to the development and deployment of trustworthy artificial intelligence;

(2) produce curated, standardized, representative, secure, and privacy protected data sets for artificial intelligence research, development, and use, prioritizing data for high-value, high-risk research;

(3) support one or more institutes as described in section 5201(a) for the purpose of advancing the field of artificial intelligence;

(4) support and strategically engage in the development of voluntary consensus standards, including international standards, through open, transparent, and consensus-based processes;

(5) taking into account the findings from the National Academies study in section 5105, develop taxonomies and lexica to describe artificial intel-
ligence tasks, knowledge, skills, abilities, competencies, and work roles to guide career development, education, and training activities in industry, academia, nonprofit organizations, and the Federal government, identify workforce gaps in the public and private sector, and create criteria and measurement for credentials in artificial intelligence-related careers; and

(6) enter into and perform such contracts, including cooperative research and development arrangements and grants and cooperative agreements or other transactions, as may be necessary in the conduct of the work of the National Institute of Standards and Technology and on such terms as the Director considers appropriate, in furtherance of the purposes of this division.

(b) Risk Management Framework.—Not later than 2 years after the date of the enactment of this Act, the Director shall work to develop, and periodically update, in collaboration with other public and private sector organizations, including the National Science Foundation and the Department of Energy, a voluntary risk management framework for the trustworthiness of artificial intelligence systems. The framework shall—
(1) identify and provide standards, guidelines, best practices, methodologies, procedures, and processes for assessing the trustworthiness of, and mitigating risks to, artificial intelligence systems;

(2) establish common definitions and characterizations for aspects and levels of trustworthiness, including explainability, transparency, safety, privacy, security, robustness, fairness, bias, ethics, validation, verification, interpretability, and other properties related to artificial intelligence systems that are common across all sectors;

(3) provide guidance and implementation steps for risk management of artificial intelligence systems;

(4) provide sector-specific case studies of implementation of the framework;

(5) align with voluntary consensus standards, including international standards, to the fullest extent possible;

(6) incorporate voluntary consensus standards and industry best practices; and

(7) not prescribe or otherwise require—

(A) the use of specific solutions; or

(B) the use of specific information or communications technology products or services.
(c) DATA SHARING AND DOCUMENTATION BEST PRACTICES.—Not later than 1 year after the date of enactment of this Act, the Director shall, in collaboration with other public and private sector organizations, develop guidance to facilitate the creation of voluntary data sharing arrangements between industry, federally funded research centers, and Federal agencies for the purpose of advancing artificial intelligence research and technologies, including—

(1) options for partnership models between government entities, industry, universities, and nonprofits that incentivize each party to share the data they collected; and

(2) best practices for datasets used to train artificial intelligence systems, including—

(A) standards for metadata that describe the properties of datasets, including—

(i) the origins of the data;

(ii) the intent behind the creation of the data;

(iii) authorized uses of the data;

(iv) descriptive characteristics of the data, including what populations are included and excluded from the datasets; and
(v) any other properties as determined by the Director; and

(B) standards for privacy and security of datasets with human characteristics.

(d) Stakeholder Outreach.—In carrying out the activities under this subsection, the Director shall—

(1) solicit input from university researchers, private sector experts, relevant Federal agencies, Federal laboratories, State and local governments, civil society groups, and other relevant stakeholders;

(2) solicit input from experts in relevant fields of social science, technology ethics, and law; and

(3) provide opportunity for public comment on guidelines and best practices developed as part of the Initiative, as appropriate.

TITLE IV—NATIONAL SCIENCE FOUNDATION ARTIFICIAL INTELLIGENCE ACTIVITIES

SEC. 5401. ARTIFICIAL INTELLIGENCE RESEARCH AND EDUCATION.

(a) In General.—As part of the Initiative, the Director of the National Science Foundation shall fund research and education activities in artificial intelligence systems and related fields, including competitive awards or
grants to institutions of higher education or eligible non-profit organizations (or consortia thereof).

(b) USES OF FUNDS.—In carrying out the activities under subsection (a), the Director of the National Science Foundation shall—

(1) support research, including interdisciplinary research on artificial intelligence systems and related areas;

(2) support collaborations among researchers across disciplines, including between social scientists and computer and data scientists, to advance research critical to the development and deployment of trustworthy artificial intelligence systems, including support for interdisciplinary research relating advances in artificial intelligence to changes in the future workplace, in a social and economic context;

(3) use the existing programs of the National Science Foundation, in collaboration with other Federal departments and agencies, as appropriate to—

(A) improve the teaching and learning of artificial intelligence systems at all levels of education; and

(B) increase participation in artificial intelligence related fields, including by individuals identified in sections 33 and 34 of the Science
and Engineering Equal Opportunity Act (42 U.S.C. 1885a, 1885b);

(4) engage with institutions of higher education, research communities, industry, Federal laboratories, nonprofit organizations, State and local governments, and potential users of information produced under this section, including through the convening of workshops and conferences, to leverage the collective body of knowledge across disciplines relevant to artificial intelligence, facilitate new collaborations and partnerships, and identify emerging research needs;

(5) support partnerships among institutions of higher education and industry that facilitate collaborative research, personnel exchanges, and workforce development with respect to artificial intelligence systems;

(6) ensure adequate access to research and education infrastructure with respect to artificial intelligence systems, including through the development of new computing resources and partnership with the private sector for the provision of cloud-based computing services;

(7) conduct prize competitions, as appropriate, pursuant to section 24 of the Stevenson-Wydler
1435 Technology Innovation Act of 1980 (15 U.S.C. 3719);

(8) coordinate research efforts funded through existing programs across the directorates of the National Science Foundation;

(9) provide guidance on data sharing by grantees to public and private sector organizations consistent with the standards and guidelines developed under section 5301(c); and

(10) evaluate opportunities for international collaboration with strategic allies on artificial intelligence research and development.

(c) ARTIFICIAL INTELLIGENCE RESEARCH GRANTS.—

(1) IN GENERAL.—The Director shall award grants for research on artificial intelligence systems. Research areas may include—

(A) artificial intelligence systems, including machine learning, computer vision, robotics, and hardware for accelerating artificial intelligence systems;

(B) artificial intelligence-enabled systems;

(C) fields and research areas that will contribute to the advancement of artificial intelligence systems, including information theory,
causal and statistical inference, data mining, information extraction, human-robot interaction, and intelligent interfaces;

(D) fields and research areas that increase understanding of human characteristics relevant to artificial intelligence systems, including computational neuroscience, reasoning and representation, speech and language, multi-agent systems, intelligent interfaces, human-artificial intelligence cooperation, and artificial intelligence-augmented human problem solving;

(E) fields and research areas that increase understanding of learning, adaptability, and resilience beyond the human cognitive model, including topics in developmental biology, zoology, botany, morphological computation, and organismal systems;

(F) fields and research areas that will contribute to the development and deployment of trustworthy artificial intelligence systems, including—

(i) algorithmic explainability;

(ii) methods to assess, characterize, and reduce bias in datasets and artificial intelligence systems; and
(iii) safety and robustness of artificial intelligence systems, including assurance, verification, validation, security, and control;

(G) privacy and security, including for datasets used for the training and inference of artificial intelligence systems, and software and hardware used in artificial intelligence systems;

(H) fields and research areas that address the application of artificial intelligence systems to scientific discovery and societal challenges, including economic and public health emergencies;

(I) societal, ethical, safety, education, workforce, and security implications of artificial intelligence systems, including social impact of artificial intelligence systems on different groups within society, especially historically marginalized groups; and

(J) qualitative and quantitative forecasting of future capabilities, applications, and impacts.

(2) ENGINEERING SUPPORT.—In soliciting proposals for funding under this section, the Director shall permit applicants to include in their proposed
budgets funding for software engineering support to assist with the proposed research.

(3) ETHICS.—

(A) SENSE OF CONGRESS.—It is the sense of Congress that—

(i) a number of emerging areas of research, including artificial intelligence, have potential ethical, social, safety, and security implications that might be apparent as early as the basic research stage;

(ii) the incorporation of ethical, social, safety, and security considerations into the research design and review process for Federal awards may help mitigate potential harms before they happen;

(iii) the National Science Foundation’s intent to enter into an agreement with the National Academies of Sciences, Engineering, and Medicine to conduct a study and make recommendations with respect to governance of research in emerging technologies is a positive step toward accomplishing this goal; and

(iv) the National Science Foundation should continue to work with stakeholders
to understand and adopt policies that promote best practices for governance of research in emerging technologies at every stage of research.

(B) ETHICS STATEMENTS.—

(i) IN GENERAL.—Not later than 18 months after the date of enactment of this Act, the Director shall amend grant proposal instructions to include a requirement for an ethics statement to be included as part of any proposal for funding prior to making the award. Such statement shall be considered by the Director in the review of proposals, taking into consideration any relevant input from the peer-reviewers for the proposal, and shall factor into award decisions as deemed necessary by the Director.

(ii) CONTENTS.—Such statements may include, as appropriate—

(I) the potential societal benefits of the research;

(II) any foreseeable or quantifiable risks to society, including how the research could enable products,
technologies, or other outcomes that could intentionally or unintentionally cause significant societal harm; and

(III) how technical or social solutions can mitigate such risks and, as appropriate, a plan to implement such mitigation measures.

(iii) GUIDANCE.—The Director shall issue clear guidance on what constitutes a foreseeable or quantifiable risk described in clause (ii)(II), and to the extent practical harmonize this policy with existing ethical policies or related requirements for human subjects.

(iv) ANNUAL REPORTS.—The Director shall encourage grantees to update their ethics statements as appropriate as part of the annual reports required by all grantees under the grant terms and conditions.

(d) EDUCATION.—

(1) IN GENERAL.—The Director of the National Science Foundation shall award grants for education programs at the K-12, community college, undergraduate, graduate, postdoctoral, adult learning, and retraining stages of education that—
(A) support the development of a diverse workforce pipeline for science and technology with respect to artificial intelligence systems;

(B) increase awareness of ethical, social, safety, and security implications of artificial intelligence systems; and

(C) promote the widespread understanding of artificial intelligence principles and methods to create an educated workforce and general public able to use products enabled by artificial intelligence systems and adapt to future societal and economic changes caused by artificial intelligence systems.

(2) USE OF FUNDS.—Grants awarded under this section for education activities referred to in paragraph (1) may be used for—

(A) collaborative interdisciplinary research, development, testing, and dissemination of K-12, undergraduate, and community college curriculum development, dissemination, and other educational tools and methods in artificial intelligence related fields;

(B) curriculum development in the field of technology ethics;
(C) support for informal education activities for K-12 students to engage with artificial intelligence systems, including mentorship programs for underrepresented populations;

(D) efforts to achieve equitable access to K-12 artificial intelligence education for populations and geographic areas traditionally underrepresented in the artificial intelligence field;

(E) training and professional development programs, including innovative pre-service and in-service programs, in artificial intelligence and related fields for K-12 teachers;

(F) efforts to improve the retention rate for researchers focusing on artificial intelligence systems at institutions of higher learning and other nonprofit research institutions;

(G) outreach programs to educate the general public about the uses of artificial intelligence and its societal implications;

(H) assessments of activities conducted under this subsection; and

(I) any other relevant activities the Director determines will accomplish the aim described in paragraph (1).
(3) ARTIFICIAL INTELLIGENCE TRAINEESHIPS
AND FELLOWSHIPS.—

(A) ARTIFICIAL INTELLIGENCE
TRAINEESHIPS.—

(i) IN GENERAL.—The Director of the
National Science Foundation shall award
grants to institutions of higher education
to establish traineeship programs for grad-
uate students who pursue artificial intel-
ligence-related research leading to a mas-
ters or doctorate degree by providing fund-
ing and other assistance, and by providing
graduate students opportunities for re-
search experiences in government or indus-
try related to the students' artificial intel-
ligence studies.

(ii) USE OF FUNDS.—An institution
of higher education shall use grant funds
provided under clause (i) for the purposes
of—

(I) providing traineeships to stu-
dents who are pursuing research in
artificial intelligence leading to a mas-
ters or doctorate degree;
(II) paying tuition and fees for students receiving traineeships who are citizens, nationals, or lawfully admitted permanent resident aliens of the United States;

(III) creating and requiring courses or training programs in technology ethics for students receiving traineeships;

(IV) creating opportunities for research in technology ethics for students receiving traineeships;

(V) establishing scientific internship programs for students receiving traineeships in artificial intelligence at for-profit institutions, nonprofit research institutions, or government laboratories; and

(VI) other costs associated with the administration of the program.

(B) ARTIFICIAL INTELLIGENCE FELLOWSHIPS.—The Director of the National Science Foundation shall award fellowships to masters and doctoral students and postdoctoral researchers at institutions of higher education
who are pursuing degrees or research in artificial intelligence and related fields, including in the field of technology ethics. In making such awards, the Director shall—

(i) ensure recipients of artificial intelligence fellowships are citizens, nationals, or lawfully admitted permanent resident aliens of the United States; and

(ii) conduct outreach, including through formal solicitations, to solicit proposals from students and postdoctoral researchers seeking to carry out research in aspects of technology ethics with relevance to artificial intelligence systems.

(C) FACULTY RECRUITMENT FELLOWSHIPS.—

(i) IN GENERAL.—The Director of the National Science Foundation shall establish a program to award grants to institutions of higher education to recruit and retain tenure-track or tenured faculty in artificial intelligence and related fields.

(ii) USE OF FUNDS.—An institution of higher education shall use grant funds
provided under clause (i) for the purposes of—

(I) recruiting new tenure-track or tenured faculty members to that conduct research and teaching in artificial intelligence and related fields and research areas, including technology ethics; and

(II) paying salary and benefits for the academic year of newly recruited tenure-track or tenured faculty members for a duration of up to three years.

(D) FACULTY TECHNOLOGY ETHICS FELLOWSHIPS.—

(i) IN GENERAL.—The Director of the National Science Foundation shall establish a program to award fellowships to tenure-track and tenured faculty in social and behavioral sciences, ethics, law, and related fields to develop new research projects and partnerships in technology ethics, in collaboration with faculty conducting empirical research in artificial intelligence and related fields.
(ii) PURPOSES.—The purposes of such fellowships are to enable researchers in social and behavioral sciences, ethics, law, and related fields to establish new research and education partnerships with researchers in artificial intelligence and related fields; learn new techniques and acquire systematic knowledge in artificial intelligence and related fields; shift their research to focus on technology ethics; and mentor and advise graduate students and postdocs pursuing research in technology ethics.

(iii) USES OF FUNDS.—A fellowship may include salary and benefits for up to one academic year and additional expenses to support coursework or equivalent training in artificial intelligence systems.

(E) UPDATE TO ROBERT NOYCE TEACHER SCHOLARSHIP PROGRAM.—Section 10(i)(5) of the National Science Foundation Authorization Act of 2002 (42 U.S.C. 1862n–1(i)(5)) is amended by inserting “and artificial intelligence” after “computer science”.

(4) **Update to Advanced Technological Education Program.**—

(A) **In General.**—Section 3(b) of the Scientific and Advanced-Technology Act of 1992 (42 U.S.C. 1862(i)) is amended by striking “10” and inserting “12”.

(B) **Artificial Intelligence Centers of Excellence.**—The Director of the National Science Foundation shall establish national centers of scientific and technical education to advance education and workforce development in areas related to artificial intelligence pursuant to Section 3 of the Scientific and Advanced-Technology Act of 1992 (42 U.S.C. 1862(i)). Activities of such centers may include—

(i) the development, dissemination, and evaluation of curriculum and other educational tools and methods in artificial intelligence related fields and research areas, including technology ethics;

(ii) the development and evaluation of artificial intelligence related certifications for 2-year programs; and
(iii) interdisciplinary science and engineering research in employment-based adult learning and career retraining related to artificial intelligence fields.

TITLE V—DEPARTMENT OF ENERGY ARTIFICIAL INTELLIGENCE RESEARCH PROGRAM

SEC. 5501. DEPARTMENT OF ENERGY ARTIFICIAL INTELLIGENCE RESEARCH PROGRAM.

(a) In General.—The Secretary shall carry out a cross-cutting research and development program to advance artificial intelligence tools, systems, capabilities, and workforce needs and to improve the reliability of artificial intelligence methods and solutions relevant to the mission of the Department. In carrying out this program, the Secretary shall coordinate across all relevant offices and programs at the Department, including the Office of Science, the Office of Energy Efficiency and Renewable Energy, the Office of Nuclear Energy, the Office of Fossil Energy, the Office of Electricity, the Office of Cybersecurity, Energy Security, and Emergency Response, the Advanced Research Projects Agency-Energy, and any other relevant office determined by the Secretary.
(b) RESEARCH AREAS.—In carrying out the program under subsection (a), the Secretary shall award financial assistance to eligible entities to carry out research projects on topics including—

(1) the application of artificial intelligence systems to improve large-scale simulations of natural and other phenomena;

(2) the study of applied mathematics, computer science, and statistics, including foundations of methods and systems of artificial intelligence, causal and statistical inference, and the development of algorithms for artificial intelligence systems;

(3) the analysis of existing large-scale datasets from science and engineering experiments and simulations, including energy simulations and other priorities at the Department as determined by the Secretary using artificial intelligence tools and techniques;

(4) the development of operation and control systems that enhance automated, intelligent decisionmaking capabilities;

(5) the development of advanced computing hardware and computer architecture tailored to artificial intelligence systems, including the codesign of networks and computational hardware;
(6) the development of standardized datasets for emerging artificial intelligence research fields and applications, including methods for addressing data scarcity; and

(7) the development of trustworthy artificial intelligence systems, including—

(A) algorithmic explainability;

(B) analytical methods for identifying and mitigating bias in artificial intelligence systems; and

(C) safety and robustness, including assurance, verification, validation, security, and control.

(e) Technology Transfer.—In carrying out the program under subsection (a), the Secretary shall support technology transfer of artificial intelligence systems for the benefit of society and United States economic competitiveness.

(d) Facility Use and Upgrades.—In carrying out the program under subsection (a), the Secretary shall—

(1) make available high-performance computing infrastructure at national laboratories;

(2) make any upgrades necessary to enhance the use of existing computing facilities for artificial
intelligence systems, including upgrades to hardware;

(3) establish new computing capabilities necessary to manage data and conduct high performance computing that enables the use of artificial intelligence systems; and

(4) maintain and improve, as needed, networking infrastructure, data input and output mechanisms, and data analysis, storage, and service capabilities.

(e) ETHICS.—

(1) IN GENERAL.—Not later than 18 months after the date of enactment of this Act, the Secretary shall amend grant proposal instructions to include a requirement for an ethics statement to be included as part of any proposal for funding prior to making the award. Such statement shall be considered by the Secretary in the review of proposals, taking into consideration any relevant input from the peer-reviewers for the proposal, and shall factor into award decisions as deemed necessary by the Secretary. Such statements may include, as appropriate—

(A) the potential societal benefits of the research;
(B) any foreseeable or quantifiable risks to society, including how the research could enable products, technologies, or other outcomes that could intentionally or unintentionally cause significant societal harm; and

(C) how technical or social solutions can mitigate such risks and, as appropriate, a plan to implement such mitigation measures.

(2) GUIDANCE.—The Secretary shall issue clear guidance on what constitutes risks as described in section (1)(B), and to the extent practical harmonize this policy with existing ethical policies or related requirements for human subjects.

(3) ANNUAL REPORTS.—The Secretary shall encourage awardees to update their ethics statements as appropriate as part of the annual reports required by all awardees under the grant terms and conditions.

(f) RISK MANAGEMENT.—The Secretary shall review agency policies for risk management in artificial intelligence related projects and issue as necessary policies and principles that are consistent with the framework developed under section 5301(b).

(g) DATA PRIVACY AND SHARING.—The Secretary shall review agency policies for data sharing with other
public and private sector organizations and issue as necessary policies and principles that are consistent with the standards and guidelines submitted under section 5301(c).

In addition, the Secretary shall establish a streamlined mechanism for approving research projects or partnerships that require sharing sensitive public or private data with the Department.

(h) **PARTNERSHIPS WITH OTHER FEDERAL AGENCIES.**—The Secretary may request, accept, and provide funds from other Federal departments and agencies, State, United States territory, local, or Tribal government agencies, private sector for-profit entities, and nonprofit entities, to be available to the extent provided by appropriations Acts, to support a research project or partnership carried out under this section. The Secretary may not give any special consideration to any agency or entity in return for a donation.

(i) **STAKEHOLDER ENGAGEMENT.**—In carrying out the activities authorized in this section, the Secretary shall—

(1) collaborate with a range of stakeholders including small businesses, institutes of higher education, industry, and the National Laboratories;
(2) leverage the collective body of knowledge from existing artificial intelligence and machine learning research; and

(3) engage with other Federal agencies, research communities, and potential users of information produced under this section.

(j) DEFINITIONS.—In this section:

(1) SECRETARY.—The term “Secretary” means the Secretary of Energy.

(2) DEPARTMENT.—The term “Department” means the Department of Energy.

(3) NATIONAL LABORATORY.—The term “national laboratory” has the meaning given such term in section 2 of the Energy Policy Act of 2005 (42 U.S.C. 15801).

(4) ELIGIBLE ENTITIES.—The term “eligible entities” means—

(A) an institution of higher education;

(B) a National Laboratory;

(C) a Federal research agency;

(D) a State research agency;

(E) a nonprofit research organization;

(F) a private sector entity; or

(G) a consortium of 2 or more entities described in subparagraph (A) through (F).
Amend the title so as to read: “A bill to authorize appropriations for fiscal year 2021 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.”.